

1/12/20

National Institute of Technology Rourkela

MINUTES

54th Meeting of Finance Committee



DATE : 30th September, 2020 (Wednesday)
Time : 10:00 – 12:00 Hours
Venue : Board Room, NIT Rourkela



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology, Rourkela

MINUTES OF THE 54TH MEETING OF THE FINANCE COMMITTEE, NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA HELD DURING 10:00 AM – 12:00 PM ON 30.09.2020 (WEDNESDAY) IN THE BOARD ROOM OF THE INSTITUTE THROUGH VC.

Members Present:

Sl. No	Name	Contact No.
1.	Prof. Animesh Biswas Director National Institute of Technology Rourkela-769008	Tel : 0661-2462001/2472050(O),2463001(R) Mob : 9437972455 Fax : 0661-2472926/2462022 Email: director@nitrkl.ac.in
2.	Shri Madan Mohan, [through VC] Additional Director General, Department of Higher Education, Ministry of Education (Shiksha Mantralaya), Room No. – 431 'C', Shastri Bhawan, (2) Jeevan Deep Building, Parliament Street& (3) West Block No.1, R.K. Puram, New Delhi - 110 001	Tel : 23381484(O) Mob : 9971035557 Email : mmohan.edu@nic.in / mmohan.edu@gmail.com
3.	Shri Dhananjay Kumar Singh [through VC] Deputy Secretary, Finance [representative of JS & FA] Ministry of Education (Shiksha Mantralaya), Government of India, Dept. of Secondary & Higher Education Shastri Bhawan, New Delhi-110001	Tel : 011-23382696 Fax : 011-23070668 Mob : 9968280796 Email : jsfa.edu@gov.in
4.	Prof. R V Raja Kumar [through VC] Director Indian Institute of Technology Bhubaneswar Toshali Bhawan, Satyanagar Bhubaneswar-751013	Tel : 0674-2570334) Fax : 0674-2576004 Email : director.office@iitbbs.ac.in
5.	Padma Shri Nalini Ranjan Mohanty [through VC] Ex-Chairman, HAL Flat No.620B4, Yamuna Block National Games Village (NGV) Koramangala, Bangalore-560047	Mob : 9845038631 Email : nalinirmohanty@yahoo.co.in
7.	Prof. G. K. Panda, Nayak [through VC] Professor, MA National Institute of Technology Rourkela-769008 (Odisha)	Tel : 0661-2462705 (O), 2463705(R) Mob : 9437139237 Email : gkpanda@nitrkl.ac.in
8.	Prof. N. R. Mishra Associate Professor, HS National Institute of Technology Rourkela-769008 (Odisha)	Tel : 0661-2462695(O)/ 2463698(R) Mob : 9437462037 Email : mishran@nitrkl.ac.in
9.	Prof. P. K. Das Registrar & Secretary, BOG . National Institute of Technology Rourkela – 769 008(Odisha)	Tel : 0661-2462021/ 2462516/2476773 (O) Mob : 7008581227 Email : registrar@nitrkl.ac.in

Members Absent:

6.	Dr. Ajay Kumar Nayak [through VC] Joint Secretary [representative of Commissioner-Cum-Secretary] Skill Development & Technical Education Dept. Government of Odisha, Bhubaneswar-751001	Tel : 0674-2391319(O) Fax : 0674-2391324 Mob : 9437051000 Email : etet.od@nic.in / ajaynayak0001@gmail.com ajaynayak07@gmail.com
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FC-54(2020)-01: Welcome to the members by the Chairman.
The Chairman welcomed all the members to the meeting.

FC-54(2020)-02: Confirmation of the minutes of the 53rd Meeting of the Finance Committee held on 25.06.2020 at NIT, Rourkela.

The minutes of the 53rd Meeting of the FC held on 25.06.2020 at NIT, Rourkela were sent by E-mail to the members. The copy of the minutes and comments received from the member(s) were given in the Annexure.

The FC confirmed and approved the minutes.

[Annexure- A1, Page 16-21]

FC-54(2020)-03: To approve the Statement of Accounts for the Financial year 2019-20.

The Statement of Accounts for the financial year 2019-20 is enclosed for consideration of the FC.

Participating in deliberation Mr. Madan Mohan, ADG, HE, Ministry of Education advised that unspent allotted grant under head OH-35 and OH-36 of amount Rs.12.47Cr and Rs.7.90Cr respectively of last financial year(FY 2019-2020) needs the approval of Ministry for spending in current financial year (FY 2020-21). Immediately Institute should take permission from Ministry on spending of unspent amount. Prof. Animesh Biswas, Director of the institute apprised the members that due to COVID-19 situation the processing of tenders could not take place for placing work orders/ purchase orders. Prof. R. V. Rajakumar, Director, IIT, Bhubaneswar suggested that the unspent allotted amount usually spent by IITs in the next financial year with a intimation to Ministry in this regard. The FC considered the proposal and recommended to the BOG for its approval.

[Annexure- A2, Page 22 - 43]

FC-54(2020)-04: To approve the Budget for the year 2021 - 2022 and revised estimate for the year 2020 - 21.

The budget proposal for the financial year 2021- 2022 and revised Estimate for the year 2020-21 were put up for consideration of the Board.

The FC approved the Budget for the year 2021 - 2022 and revised estimate for the year 2020-21 and recommended to the BOG for its approval.

Commenting on revised budget Mr. Madan Mohan informed all members about the financial situation of the Ministry. He said that as there is nearly 50 percent reduction of the budget and hence it will be difficult on the part of Ministry to give any extra allocation of fund. However, it was assured by him that the allotment shall be made to meet the expenditures towards salary and pension. He advised and cautioned to spend the money in judicious way, even that is from IRG or Corpus fund, if situation demands. Mr. D. K. Singh, Deputy Secretary, Finance, Ministry of Education advised that the institute should prioritize the expenditure as per necessary requirements and to do the financial assessment which

should be brought to the Board. He also advised the money reflected under TEQIP-II head in balance sheet should be returned back immediately to NPIU, as the TEQIP-II has already been over.

[Annexure- A3, Page 44 - 57]

FC-54 (2020)-05: Budget estimate for the 18th Convocation, NIT, Rourkela to be held on 16.01.2021.

The 18th Convocation of the Institute is scheduled to be held on 16.01.2021. The budget estimates with head wise for the conducting the 18th Convocation, submitted by the PIC, Convocation was given in the Annexure.

- i) **Approximate Budget amount** = **Rs.49,40,000**
ii) **Student Collection ((around)** = **Rs. 30,00,000**

a) Process of procurement of Medal for Convocation:

Earlier, Institute explored the possibility of getting the medals from the Govt. Mint at Kolkata, but their price was found to be much higher as compared with the private firm M/s P. C. Chandra Gems (P)Ltd., Kolkata, who have been supplying the medals for last many Convocations. The workmanship, price, timely supply and service have been found to be satisfactory. Besides, changing vendor will cause additional expenses towards casting of dice (about Rs.2,00,000 per year). Further, considering the risks involved in timely and assured supply of the medals in view of the difficulties arising out of the COVID-19 pandemic, it is proposed to procure medals from M/s P.C. Chandra Gems (P) Ltd, Kolkata on single tender basis.

The FC approved the above proposal with a suggestion to justify the single tender as per GFR-17 and recommended the same to BOG for its approval.

b) Process of procurement of Dresses for Degree recipients:

Since last three convocations, the institute has introduced dresses (Kurta, Pajama), Sarees each made of Sambalpur clothes/fabrics, for degree recipients, Senators and BOG members (additionally Utariays for Senators, BOG members and Chief Guest. This has been well appreciated by all including students, faculties and invited dignitaries. Having a good experience, this year too it is planned to continue the same tradition for the upcoming XVIII Convocation 2021. For purchasing the above dress materials such as sarees, stitched pajamas and Utariyas (only for Senators and BOG members), limited or open tendering may be done as per procedure. The maximum cost of each Saree and stitched dresses (Kurta, Pajama) for female and male students respectively is fixed at Rs.1500/-. However, the maximum cost of each dress (Kurta, Pajama) and Saree are fixed respectively at Rs.1500 and 2700/- for senators and BOG members. The maximum cost of Utariyas for senators and BOG members is fixed at Rs.650/-. The number of such dresses, sarees and utariyas for degree awardees, senators, BOG members etc. will be as per the principle followed for the physical mode of Convocation.

The FC recommended the same to BOG for its approval.

[Annexure-A4, Page 58 - 62]

Page 3 of 16

FC-54 (2020)-06: Proposal for central purchase of digital equipment's and its accessories to facilitate online teaching process from capital head (OH-35) allotted by MHRD for the FY 2020-21.

Keeping in view of the amended OM of MHRD dated 27th July, 2020 with regards to guidelines issued for utilization of Cumulative Professional Development Allowance (CPDA) in connection with purchase of digital accessories for online classes by the faculty members, there was a discussion in 206th Deans & HODs meeting held on 5th August, 2020, to procure the following articles as follows:

- A) **Microsoft Surface Go 2** (with the specifications: 10.5 Inch/ 8GB RAM/ 128GB SSD/ Windows 10 Home in S Mode/ Intel UHD Graphics 615) to be purchased without keyboard and with stylus with an approximate cost of Rs.40,000/- plus 18% GST for each faculty member. This expenditure of Rs.1,79,36,000 (approx.) for 380 faculty members is proposed to be met from OH-35, subjected to approval from FC & BOG.
- B) The *headphones* and *web camera* for each faculty members of the departments is proposed to be purchased for imparting online teaching effectively. However, the expenses towards that can't be met from Department Operating Grant, allotted from OH-31 Head as that is exclusively meant for recurring expenditure only. The approximate expenditure towards this procurement shall be Rs.19 lakh (Rs.5000 per faculty X 380 in numbers). Hence, this may also be allowed to meet from OH-35 in line with amended OM of MHRD relating to this matter.

All the digital items related to online teaching under heads 'A' & 'B' are proposed to be purchased centrally and all the faculty members shall be required to give an undertaking that they have not procured the same from their project fund or any other fund of the Institute in last five years.

The above agenda notes was circulated among the members through circulation.

Dy. Secretary, Finance, Ministry of Education, New Delhi, dated 25.08.2020, advised to furnished for purchase of digital equipment's and its accessories to facilitate online teaching process from capital head (OH-35) allotted by MHRD for the FY 2020-21.

The views of other members are enclosed in the Annexure.

- A) **Agenda item: Purchase of Microsoft Surface Go 2:**
Microsoft Surface Go 2 (with the specifications: 10.5 Inch/ 8GB RAM/ 128GB SSD/ Windows 10 Home in S Mode/ Intel UHD Graphics 615) to be purchased without keyboard and with stylus with an approximate cost of Rs.40,000/- plus 18% GST for each faculty member. This expenditure of Rs.1,79,36,000 (approx.) for 380 faculty members is proposed to be met from OH-35, subjected to approval from FC & BOG.

- B) **Agenda Item: Purchase of Headphones and Web Camera:**

The headphones and web camera for each faculty members of the departments is proposed to be purchased for imparting

online teaching effectively. However, the expenses towards that can't be met from Department Operating Grant, allotted from OH-31 Head as that is exclusively meant for recurring expenditure only. The approximate expenditure towards this procurement shall be Rs.19 lakh (Rs.5000 per faculty X 380 in numbers). Hence, this may also be allowed to meet from OH-35 in line with amended OM of MHRD relating to this matter.

Specifications for Purchase of Headphones and Web Camera

The following Specifications for Web Camera and headphones are as follows:

- i) **HD Webcam:** 5-megapixel or higher, Widescreen HD Video Calling, HD Light Correction, Noise-Reducing Mic, for Skype/VC, compatible to PC/Mac/Laptop/MacBook/Tablet
- ii) **Stereo Headset:** Dual plug computer headset with in line controls, Adjustable head band, Rotatable microphone.

All the digital items related to online teaching under heads 'A' & 'B' are proposed to be purchased centrally and all the faculty members shall be required to give an undertaking that they have not procured the same from their project fund or any other fund of the Institute in last five years.

Participating in discussion Prof. R V Raja Kumar and Mr. Madan Mohan expressed their reservations on the proposal, stating that the desktop computers might have been provided to all the faculty members by the institute. The Director of the institute appraised all members about the necessity of the said Microsoft Surface Go 2 for online class which shall be compatible with the desktop computer and the expenditures towards these (appx Rs.1.8cr) and for headphones and web camera shall be of appx cost of Rs.19.0 Lakhs which is to be met from IRG. Dr. N. R. Mohanty and Mr. D. K. Singh agreed to the proposal of Director with a mention that the IRG money should be spent very judiciously keeping in view the existing financial situation of the institute. Further, Mr. D. K. Singh suggested that those digital equipments for online class purpose to be procured should be entered in the institute stock book.

The FC recommended the proposal to BOG for its approval with a suggestion to buy it from IRG.

[Annexure- A5, Page 63 - 79]

FC-54 (2020)-07: Proposal for establishing Centre of Excellence for Digital Manufacturing and Industry 4.0 at NIT Rourkela.

NIT Rourkela took an initiative for establishing Centre of Excellence for Digital Manufacturing and Industry 4.0 following MHRD circular F. no. -10-8/2018-TS III dated 27th August 2019 on COE establishment in NITs. The BOG vide resolution No. BOG-65(2019)-08, dated 01.10.2019, the Board approved the proposal.

The initiative on the “**Digital Manufacturing and Industry 4.0**” was presented to BOG who approved the same asking us for going ahead. The theme is contemporary and it would cater to the needs of all major Departments in the Institute e.g. CS, EE, EC, ME, ID, CH, and so on.

In this context EOI (Expression of Interest) document was floated on 11th Nov, 2019 inviting interested companies. Three companies expressed their interest for this project and they were invited for a Technical presentation on 07.12.19.

The three companies are

1. **M/S DESIGN TECH SYSTEM PRIVATE LIMITED**
2. **M/S HEXAGON METROLOGY INDIA PVT LTD**
3. **M/S MTAB TECHNOLOGY CENTER PRIVATE LIMITED**

Before, floating the tender a team comprising Prof. K. K. Mahapatra, Prof. Ashok K Turuk and Prof. BBVL Deepak visited NIT Trichy. The visit was specific to make a thorough study at “The Siemens CoE in Manufacturing” in NIT Trichy campus. They had submitted a report to the Institute, where it was felt that it would be prudent to go for a COE at NITR as well.

In the meanwhile, several NITs (namely Kurukshetra, Warangal, Nagpur and so on) across the country are also coming up with similar COEs.

After lots of deliberation at the Institute level primarily on technical content, tender was floated on 4th March 2020 inviting the same three parties to submit Techno-Commercial Bid and Financial Bid. Last date for bid submission was 25th March, 2020. However, date had to be extended due to Pandemic situation in the country. Techno commercial Bid was available for evaluation on 10th June, 2020. Following initial scrutiny, Companies were asked to fulfil their shortfalls and they sent their data too.

After a thorough checking of data it was observed that two parties were disqualified as they do not fulfill tender specifications as per tender document; only one party qualified. This was announced on E-wizard portal.

The qualified party is

M/S MTAB TECHNOLOGY CENTER PRIVATE LIMITED

They have quoted a price of Rs 256,349,051.32 inclusive of all taxes. (NIT, Rourkela share).

Establishing COE at NIT Rourkela would facilitate the following:

1. Imparting Skill development training
2. Facilitates securing R & D Projects because of the presence of high end equipment in the centre
3. Would encourage faculties to take up consultancy projects because of the availability of Industry standard software and hardware
4. Lab classes for students can be held and students are exposed to state of the art equipment
5. Students are encouraged to take up industry standard projects in their B. Tech Project, M. Tech dissertation and Ph. D. thesis

Besides Centre would facilitate a few more objectives that can be termed as intangible benefits.

1. Placement in core Sectors: at least 50/60 would increase
2. Perception: Increase due to improvement in Lab Resources, Quality Faculty pool, Society Contribution, Patents due to new product development(Make in India)
3. Pooling of Quality Faculty (some would be attracted due to high end resources)
4. Societal Growth: Employment for unemployed thro' training, development of new products
5. Quality Research Papers: at least 10/12 would come out
6. NIRF Ranking Enhancement: This would happen due to above factors.

Laboratory Details:-

The centre shall address industrial needs, skill development and consultancy in areas of engineering, product design & development and advanced manufacturing technologies with emphasis on following:

- a) Automotive – Passenger & Commercial Vehicles
- b) Aerospace
- c) Industrial Machinery – off highway vehicles, farm equipment and implements, electrical and mechanical machineries
- d) Industry 4.0
- e) Digital factories
- f) Ship building
- g) Industrial Automation
- h) Mining
- i) Energy
- j) Process Engineering

To take care of the above needs hardware and software should be of certain level that is being stressed.

- a. All the **hardware** shall be of **industrial standards with state of the art technology**.
- b. The **software** should **not be restricted to educational limits**. It **must be with industrial features** so that **Industrial consultancy** and research also are carried out simultaneously.

LIST OF PROPOSED LABS

Sl. No.	Lab Name	Space Requirement (In square feet)
1	Product Design Lab – Software Lab	1500
2	Mechatronics Lab	1200
3.	Power Lab	2400
4	Motors and Drive control Lab	1500
5	Computer-Aided Engineering (CAE) and analysis lab – Software & Hardware Lab	1500
6	IoT (Internet of Things)- Cloud-based IoT	2400
7	Manufacturing Process Lab – Software Lab	1500
8	Industry 4.0 – Smart Manufacturing Lab	1500
9	Automatic Welding Robot	1200
10	Sensors and Instrumentation Lab – DCS System with Sensors	1500
11	CNC Controller Lab	1200

Besides there are need of two classrooms of 2400 sq. ft each and a small class room 1200 sq. ft; beyond this office space and meeting room are needed.

Therefore, it is felt that it would be prudent to establish a "Centre of Excellence" of similar standard at our Institute.

Expenditure Requirement for COE for Digital Manufacturing and Industry 4.0

FY	Description	Amount Required	Total amount
20-21	COE Equipment 200 High End Computers with large Monitors: Air Conditioning and site Preparation including partitioning, UPS, Power backup, Networking, Surveillance, OFC laying and Telephones Furniture including Smart classrooms Misc. Expenditure	26 crore 1.5 crores 2 crore 1 crore 0.5 Crore	31 crores
21-22	Consumables Maintenance of Computers and Network etc.; Manpower (3)	10 lakhs 20 lakhs 30 lakhs	60 lakhs
22-23	Consumables Maintenance of Computers and Network etc.; Manpower (3)	10 lakhs 20 lakhs 30 lakhs	60 lakhs

23-24	Consumables Maintenance of Computers and Network etc.; Manpower (6) AMC	10 lakhs 20 lakhs 60 lakhs 2.6 crores	3.5 crores
24-25	Consumables Maintenance of Computers and Network etc.; Manpower (6) AMC	10 lakhs 20 lakhs 60 lakhs 2.6 crores	3.5 crores

- For COE equipment, total expenditure as per tender document is 200 crore; out of which at least 85 % would be borne by company; remaining would be borne by NITR; that we expect after bargaining we would pay typically 26 crore.
- Equipment does not include 200 numbers of computers and associated accessories for which we need to pay.
- Company would provide its manpower in the form of Engineers/scientists for first 3 years. However, from 4th Year onwards NITR has to take care of everything.
- Therefore 6 Scientific Officers/Technical Officers (at different levels: Principal/ Senior and so on) are needed. For proper training and maintenance at least 3 of them to be employed from 2nd year onwards so that smooth transition can take place and 4th year onwards 6 of them are required, which is a justified number as 12 full-fledged labs besides huge IT Infrastructure to be maintained.

People with at least B. Tech or higher (may be master's and Ph. D. would be required) as the labs are advanced, we certainly can't manage with Diploma holders/ITI pass.

Income/Earnings:

Tangible:

Sl. No	Head/Type	Total Income
1	Skill Based Training 3000 persons × Rs 5000/- each	150 lakhs
2	Consultancy Project 10 lakh each × 50 nos IRG : 30%	1.5 crore
3	R & D Project: 50 lakhs each × 10= 5 crores IRG : 15 %	75 lakhs

Intangible Benefits

Sl. No	Head/Type	Total Equivalent Income
1	Placement in core Sectors: 100 nos increase	50 lakhs
2	Perception: Increase due to improvement in Lab Resources, Quality Faculty pool, Society Contribution, Patents due to new product development(Make in India)	2 crore
3	Pooling of Quality Faculty (5 nos per annum)	25 lakhs
4	Societal Growth Employment for unemployed thro' training, development of new products	50 lakhs
5	NIRF Ranking Enhancement: This would happen due to above factors	50 lakhs
6	Quality Research Papers: at least 10 would come out	25 lakhs

The Internal Rate of Return (IRR) is calculated (as required by Integrated Finance Department, Ministry of Education, New Delhi for any HEFA Loan funded project) and attached as Annexure. Keeping in view the interest payable to HEFA @Rs.8.5% for initial Rs.31 Cr. investment in the year 2020-21 for HEFA Loan and the subsequent opportunity cost @Rs.6% for Rs.0.06 Cr, 0.6 Cr, Rs.3.5 Cr, Rs.3.5 Cr for the year 2021-22, 2022-23, 2023-24 and 2024-25 onwards respectively, which are to meet from IRG.

With the permission of the chair, Prof. K. K. Mohapatra, Professor Department of Electronics and Communication presented the details about the CoE. In response to the presentation, Mr. Madan Mohan, Additional director General, Ministry of Education, Gol

said that the presentation does not include what exactly Siemens is going to contribute. He also shows his concern for what reason Siemens is getting into all NITs. He enquired under what basis the companies participated in tendering process were disqualified in technical bid stage need to be informed. He suggested the institute should first get the experiences of other NITs with Siemens. In response to this, Director informed the house that a group of faculties were sent to NIT, Trichy to understand the activity & operation of the SIEMENS Centre at NIT, Trichy. Then, he advised to form a committee with Mr. D. K. Singh as a member to evaluate the tendering process. Mr. D. K. Singh advised the detailed proposal of Siemens to be submitted to Ministry for verification. Prof. Raja Kumar raising his concern advised that NIT Rourkela should be much more careful while signing MoU with Siemens. Presenting his experience with Siemens for setting up such laboratories at IIT Bhubaneswar, he told that they did not find any attractive reasons with Siemens. He told first NIT, Rourkela should convince itself and then convince the Board before taking any such investment, when there is a prevailing financial crunch. Mr. N. R. Mohanty suggested that the financial feasibility of the project should rigorously be ascertained when the initial investment of Rs.31.0cr to be made through the term loan from HEFA at 8.5% interest rate and the subsequent requirement of Rs.3.5cr after 3rd year of its existence towards man power, AMC and consumables are to be met from IRG. The investment should be in line with what the institute is going to gain from this investment. Further, he suggested different milestones to be set with regards to spending by Siemens and how much will be Institute's contribution head wise.

As per advice of Board, a committee is being formed with the following members and they are advised to present their report in next Board.

1. Padmashree N. R. Mohanty, Chairman
2. Mr. D. K. Singh, Dy Secretary
3. Prof. Prasanta Sahu, IIT Bhubaneswar
4. Prof. K. K. Mohapatra, NIT, Rourkela

[Annexure- A6, Page 80]



FC-54 (2020)-08: To approve the Minutes of 38th BWC meeting held on 18.09.2020.

Mr Madan Mohan, ADG, brought to the notice of all members that the minutes of BWC need not be placed in FC, unless the proposal is of policy matter or the estimated cost of the work is above Rs2.0 cr, as there are delegation of financial power to the Director of the institute and the BWC respectively Rs25.0 lakhs and Rs2.0cr .

The minutes of 38th BWC meeting of the Building & Works Committee held on 18.09.2020. The details are as follows:

BWC: 38 (2020)-02: Confirmation of the minutes of the 37th Meeting of the BWC held on 29.05.2020.

The minutes of the 37th Meeting (Pg. 81-88) were sent to the members and no comments were received from the members.

BWC confirmed the minutes of its 37th meeting.

The discussion was made with regards to release of pending payments to M/s Arch-En-Design, one of the appointed architects by NITR for major project phase II.

As per the payment terms (enclosed at Pg. 89-93) between M/s Arch-En-Design and NITR, the final payment were linked with the final executed value of work by M/s SPCPL. Processing of final bill of M/s SPCPL will take time as the contractor has raised some additional claims like overhead charges, for time overrun and for idle charges of machineries etc. in his final bill, which needs its settlement.

M/s Arch-En-Design requested to settle their final payment on the basis of as on date executed value of work by M/s SPCPL. The bill amount is Rs.63,18,053/- (the details are shown at Pg. 94). All the member of BWC felt that the Institute may release the pending payments of M/s Arch-En-Design, if the firm give an undertaking in their letter head mentioning that the firm will not claim further any amount in case any increase in the executed value of work beyond 75th RA bill of Civil work and 38th RA bill of Electrical work for the project like Lecturer Hall Complex No-2, Mechanical Science building and Faculty residence (3BHK + 2BHK type) with which the firm is associated with.

The FC suggested to follow the delegation of financial power of BWC on the above matter.

BWC: 38 (2020)-03: Proposal for New Projects.

1. Partitioning works of Bigger Rooms into Small Cabins at various Departments :

Estate department has received several requisitions from the following departments for partitioning works.

- Mathematics
- Mechanical Engineering
- Electrical Engineering
- Civil Engineering
- Food Processing Engineering

The purpose for partitioning the Halls/Bigger Rooms into smaller cabins is to arrange for the sitting rooms for the newly recruited faculties with standard fittings and accessories. Detailed estimate (Rs.21.95 lacs) has been prepared in this regard and enclosed at Pg.95 – 98.

Source of fund – Institute operating grant.

The BWC approved the proposal.

The FC suggested to follow the delegation of financial power of Director on the above matter.

2. Annual operation and maintenance of Water Treatment Plant :

Since treatment of water and supply on day to day basis is an important service for the entire campus of NITR, it is highly necessary to maintain the plant and treat the raw water on daily basis. The maintenance contract of the service provider has expired and at present the same plant is under the operation of a local party on contractual basis. In view of the above, it is proposed to invite an open tender as per institute purchase procedure. Estimate has been prepared for the above mentioned work and the amount comes around Rs.35/- lacs. (enclosed at Pg.99-101).

Source of fund – Institute operating grant – Under Head of A/c. 31

BWC approved the proposal. Presently monthly water charges collected from residential quarter having water tank of 1000 liter and 1500 liter are Rs.100/- and Rs.150/- respectively per month. Cost involves to supply 1 KL treated water per day is Rs.11/- (including cost of raw water, cost for treatment and cost for distribution and maintenance of pipe line). The members suggested to enhance the water charge of Rs.100 to Rs.200 and Rs.150 to Rs.300 respectively per month for 1000 liter water tank and 1500 liter water tank used in the campus households.

The FC recommended the policy matter, placed in BWC, relating to enhancement of water charges for its approval in BOG.

3. MoU between NIT, Rourkela and CPWD, BBSR:

A copy of the signed MoU of CPWD Sambalpur was sent to CPWD, BBSR for their reference and requested to adopt similar terms and condition vide our letter no. NITR/RG/2020/L/0511 dated 30/07/2020 for construction of **Academic Building of NIT, Rourkela at Bhubaneswar** by CPWD, BBSR. But CPWD, BBSR did not agree to adopt terms and conditions of CPWD, Sambalpur vide letter No. 54(252)/EE-II/CPWD/BBSR/2020/501 dated 05.08.2020. In order to discuss further for the possible amendment of the following two clauses of MoU of CPWD, BBSR, Registrar went to BBSR to hold the meeting with CPWD officials on 24.08.2020.

A-4, i.e. "Client shall obtain all statutory approvals and clearance from the statutory approvals and clearance from the statutory

authorities and local bodies. CPWD shall provide necessary technical details.

B.4, i.e. "Client shall provide scope and work and requirement to CPWD for preparation of preliminary drawings of the work and accord approval of the preliminary drawings for preparation of PE further the client shall approve working architectural drawings based on which tenders will be called. The structural and service drawings prepared by CPWD or consultant shall be vetted/Proof checked/Previewed by NIT Rourkela.

Finally, CPWD, BBSR agreed to amend the above two clauses as follows:

A.4 CPWD shall obtained all statutory approvals and clearances from the statutory authorities & Local bodies, based on documents signed by client (as owner). Since CPWD does not have a set up to liaise with local bodies, hence coordination, liaison etc. to get these approvals shall be made a part of tender documents as a part of scope of work of the contractor. So that contractor does not delay work on this account.

B. 4. Client shall provide Scope of Work and requirements to CPWD for preparation of Preliminary Drawings of the work and accord approval of the Preliminary Drawings for preparation of PE.

Further the client shall approve working architectural drawings based on which tenders will be called. The structural and services drawings prepared by CPWD or consultant shall be vetted/proof checked/peer reviewed by a government institute as mutually decided.

The amended version of the draft MoU is enclosed (at pg.102-112) here for discussion and action.

BWC reviewed the same and recommended for signing the MoU with CPWD, Bhubaneswar to avoid further delay of the project and that is to be reported to FC. Further, BWC suggested the following:-

- A) CPWD shall incorporate all the points in the Building plan/working drawing suggested by HOD (PA) vide letter no.NITR/PA/2020/M/0110, dt:21.08.2020 (at Pg.113) for the Academic building at Bhubaneswar. This should be communicated to CPWD, BBSR by the Institute.
- B) All the members felt that there is no need of central AC facility for academic building, BBSR. However VRF Type of AC is to be installed in large class rooms, auditorium and energy efficient split ACs are to be installed in others small rooms.
- C) No separate fund will be disbursed against the estimate for site enabling works raised by CPWD, BBSR vide letter no. 23(141)/EE-II/CPWD/2020/435, date:29.06.2020 (at Pg.114-116). However first instalment i.e. 33.33% of estimated value of the project is to be disbursed after signing of MoU.

Taking part in deliberation Mr. D. K. singh told that FC is a separate body than BWC. So FC cannot approve the minutes of BWC. He advised BWC delegation should be reviewed after 2017 NIT Amendment ACT. He also advised financial

position of the institute should be intimated to the Ministry at the beginning of every financial year. Prof. Raja Kumar advised as institute has taken huge HEFA loan, it should be careful before you go ahead with new projects. Every year institute should analyses liability of ongoing project and approved project. Dr. N. R. Mohanty advised that while bringing any project to the board the cost of the project should include furnished cost. Otherwise project will be laying idle.

The FC recommended the proposal of modified MOU with CPWD, Bhubaneswar for construction of "Extension Centre of the institute" called Satellite Centre, Bhubaneswar (in the MoU document) at Mouza- Chandrashekarapur, Bhubaneswar on revenue plot no.-4 (Pt) Khata no. 619, ,GA Deptt., Govt of Odisha with ground plus five storied in two phases.

4. Details of Ongoing Projects and Proposed Projects for next 5 years :

The list of ongoing projects and proposed projects for next 5 years have been enclosed at pg. 117 as per the guidelines received from Ministry of Education over email dated 06.03.2020.

BWC reviewed the projects and recommended to FC.

The FC took into the cognizance of the ongoing project and their progress. During discussion on the new project proposal, Director emphasized the importance of the following proposals;

- (a) IT infrastructure with a futuristic outlook and that needs investment of Rs27.0crores in a time span of five years for which he requested the members from Ministry for allocation of fund under head, OH-35.**
- (b) The requirements of in LA-2 and golden Jubilee building are of priority for its operation. The tentative budget for furniture shall be in tune of Rs.3.0cr and to be met from head, OH-35.**
- (c) The ramps, lifts and toilets for disabled persons in line with instruction from the Ministry of Social Justice and Empowerment need investment of Rs.6.0cr and the DPR for the same is ready to be sent through Technical section, Ministry of Education.**
- (d) Other proposal like hostel, faculty residence, SPA are to be funded through different sources, once the DPRs are approved by the Ministry meeting as per the student built up area criteria.**

5. Status of Major Maintenance /Renovation works :

Status of major maintenance/renovation works is being enclosed at Pg.118 - 119. Maintenance and/or Renovation of the existing infrastructure is very essential considering the present condition and protection from further damage of the same. All the mentioned works are very essential and already approved in different BWC.

BWC reviewed the same and recommended to FC.

FC Approved and recommended for BoG approval.

6. Renewal of Registration of Empaneled Contractors :

63 numbers of civil contractors were registered up to 31-10-2016. Out of them, 33 nos. of contractors submitted all necessary documents after expiry of the above period for renewal of registration for further three more years (i.e. up to 31-10-2019) and the same was approved in BWC vide resolution no-BWC-29 (2017)-08-4 (enclosed at Pg.120).

Now 23 nos. of contractors have submitted their documents for renewal of registration. Estate office reviewed all the documents submitted by the contractors and found the following 22 contractors documents are in order and recommend them for approval of renewal of registration.

- | | |
|--------------------------|------------------------------------|
| 1- M/s Jena Construction | 13-M/s Bijay Construction |
| 2- M/s S K Das | 14-M/s P C Mohanty |
| 3- M/s S K Sahoo | 15-M/s Shyam Nayak |
| 4- M/s S K Mohanty | 16- M/s Rourkela Fabrication works |
| 5- M/s Sudarshan Dash | 17- M/s I P Associates |
| 6- M/s P K Tripathy | 18- M/s Eastern Infrastructure |
| 7- M/s S K Samantray | 19-M/s Bikrant Sahoo |
| 8- M/s Sikandar Alam | 20-M/s Sasmita Enterprises |
| 9- M/s B K Enterprise | 21-Mis Sresh Ch. Jena |
| 10-M/s H K Parida | 22- M/s Debendra Swain |
| 11-Ms P Patra | |
| 12-M/s A K Mohanty | |

The BWC recommended the proposal for approval of FC.

FC Approved and recommended for approval in BoG.

- A) APPROVAL OF BOQ AND ESTIMATE FOR TENDERING NEW PROJECT [PART 'B']:
NIL
- B) APPROVAL OF TENDER FOR AWARD OF WORK [PART 'C']:
NIL
- C) DEVIATION, EXTRA ITEMS FOR VARIOUS WORKS & POINTS FOR INFORMATION OF BWC [PART-'D']:
NIL

BWC: 38 (2020)-04: Any other item with the permission of the chair.

1) Overhauling and repairing of Swimming pool.

There was an urgent need for repairing/servicing/maintenance of following units/items of swimming pool.

- Filtration bed and media.
- Vibrating rubber pad and motors.
- 10 HP Pumps.
- Chlorine dosing pumps.
- Related and others civil works.

Estate office was received several complain form students in this regards. In view of the above it is proposed to invite an open tender as per institute purchase procedure. Estimate has been prepared for the above mentioned work and the amount comes around Rs.28.0 Lakhs (enclosed at Pg.121-122).

Source of fund: - SAC fund.

To ensure quality assurance and control in the work, the following measures are to be taken, in case there is any percentage deviation in quoted price by the contractor (L1) beyond the allowable $\pm 15\%$ of estimated cost of the project.

- i) for quoted price below the approved limit will be secured through additional security deposit (ASD) of the extra deviation amount.
- ii) for quoted price higher than the approved limit, the cost analysis must be provided by the contractor to the committee. If found satisfactory the work order will be issued with the approval of competent authority, otherwise the tender may be cancelled and retendering to be done.

The BWC recommended the proposal for approval of FC.

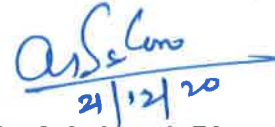
The FC may consider the proposal.

FC recommended for BoG approval. Also it is advised the repairing work should be completed within one year to avoid the escalation of the project cost.

The meeting ended with thanks to the Chair.



[Prof. P. K. Das]
Registrar and Secretary
BOG, NIT, Rourkela


21/12/20

[Prof. Animesh Biswas]
Chairman (Acting)
BOG, NIT, Rourkela