



**National Institute of Technology  
Rourkela**

***MINUTES***



**39<sup>th</sup> Meeting of  
Building & Works Committee**

**DATE : 9<sup>th</sup> NOVEMBER, 2020 (Monday)**  
**TIME : 10.30 A.M.**  
**VENUE: Senate Hall, NIT, Rourkela**



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela

Minutes of the 39<sup>th</sup> Building & Works Committee, National Institute of Technology, Rourkela  
held on 09.11.2020 (Monday) at 10.30 AM in the Senate Hall of the Institute.

**Members Present**

1. **Prof. Animesh Biswas**  
Director & Chairman, BWC  
NIT, Rourkela
2. **Shri Subhransu S. Satpathy**  
GM, Design (Civil)  
SAIL, RSP, Rourkela
3. **Shri Rakesh Kumar Shah**  
DGM, Power Distribution  
SAIL, RSP, Rourkela
4. **Prof. Gopal Krishna Panda**  
Professor, Mathematics & Member, BOG  
NIT, Rourkela
5. **Prof. Prasanna Kumar Sahu**  
Professor, Electrical Engg. & Dean (PD)  
NIT, Rourkela
6. **Prof. Pradip Kumar Das**  
Registrar & Secretary, BWC,  
NIT Rourkela

**Invitees Present**

7. **Prof. P. Sarkar**  
PIC (Civil Const.), NIT Rourkela
8. **Prof. R. N. Behera**  
PIC (Civil Maint.), NIT Rourkela
9. **Prof. S. Karmakar**  
PIC (Elect. Const.), NIT Rourkela
10. **Prof. A. Sengupta**  
PIC (Elect. Maint.), NIT Rourkela
11. **Mr. Joydip Mondal**  
Executive Engineer, Estate, NIT Rourkela
12. **Mr. Rajesh Kumar Sahoo**  
Engineer, Estate, NIT Rourkela

**Members & Invitees Absent**

**13. The Director**

NIT Division,  
Department of Higher Education  
Ministry of Education (Shiksha Mantralaya),  
Government of India,  
Shastri Bhawan,  
New Delhi- 110001

**14. Shri B. K. Pati**

Executive Engineer  
PWD, Uditnagar, Rourkela.

**15. Prof. Chitta Ranjan Patra**

Professor, Civil Engg.,  
Advisor to Director for Infrastructure Development  
NIT, Rourkela

**16. Prof. M. K. Moharana**

PIC (HVAC), NIT Rourkela



राष्ट्रीयप्रौद्योगिकीसंस्थान, राउरकेला  
National Institute of Technology, Rourkela

Minutes for the 39<sup>th</sup> Building & Works Committee, National Institute of Technology, Rourkela to be held on 09.11.2020 (Monday) at 10.30 AM in the Senate Hall of the Institute.

---

**A) GENERAL AND PROCEDURAL MATTERS.**

**BWC: 39 (2020)-01: Welcome to the members by the Chairman of the BWC.**

**BWC: 39 (2020)-02: Confirmation of the minutes of the 38<sup>th</sup> Meeting of the BWC held on 18.09.2020.**

The minutes of the 38<sup>th</sup> Meeting were sent to the members and no comments were received from the members.

**BWC confirmed the minutes.**

**[Annexure - A1, Page No. 5 - 12]**

**B) APPROVAL FOR PROJECTS: (PART- 'A')**

**BWC: 39 (2020)-03: Proposal for New Projects.**

**1. The progress in Setting-up of Chiller Plant for Major Project – II.**

With reference to BOG resolution number BOG-62(2018)-22(11), dated: 08.12.2018 and office order no NITR/RG/BOG-62/2019/0066, dated: 18.01.2019, it was decided for tendering of HVAC work. Subsequently in 33<sup>rd</sup> BWC meeting, a sum of 20 crores was approved for the said proposal under IRG.

The total heat load capacity of Golden Jubilee Building, Mechanical Science Building and Lecture Complex – II are 1242 TR, 729 TR and 527 TR respectively. Low end HVAC work under Major Project – II was completed by M/S SPCPL in GJB, MSc, LC-II buildings. One separate chiller plant needs to be constructed behind GJB Seminar Block to house the required chillers for these three buildings.

Institute HVAC committee decided to carry out the said work on EPC mode. Subsequently, EOI was invited in leading daily vide EOI notification No - NITR/PW/EOI/2020/01 dated 01.02.2020 for carrying out HVAC (High-End-Equipment) work in GJB, M.Sc. and LC-II buildings. The work includes Supply/Installation/Testing/Commissioning of new chiller plant comprises of plant room, chillers with mentioned capacities, accessories such as pumps, cooling towers, electrical control panels, Substations and construction of plant room etc. in National Institute of Technology, Rourkela.

The following SEVEN firms have submitted their proposal for this project on EPC mode.

1. M/s Sterling and Wilson Private Limited
2. M/s ABS Aircon Engineers Pvt. Limited
3. M/s BLUE STAR Limited
4. M/s HV Air-conditioning Systems Pvt. Limited
5. M/s VOLTAS Limited
6. M/s MEHO HCP Air Systems Pvt. Limited
7. M/s Energy Efficiency Services Limited

Out of the above seven firms, the proposal of SIX firms (SI No-1 to 6) accepted by the HVAC committee except the proposal of M/S Energy Efficiency Services Limited. The recommendation of HVAC committee is yet to be completed. Tender Documents will be issued after getting necessary approval of EOI recommendations from the competent authority.

***The Chairman expressed his concern on the delay in installation of the chiller plant, even if seven firms responded to EOI asked for. He was more concern on the lack of expertise in EM department of the institute to execute the work and he suggested this work be handed over to CPWD, Sambalpur in turnkey basis. Some of the external members expressed his reservation with this suggestion and told unless the EOI matter is not closed, it will not be wise to go for CPWD at this juncture.***

***After due deliberation, in principle, it was decided to opt the CPWD option. But prior to that a preliminary estimation to be obtained from CPWD, Sambalpur division for procurement and installation of chiller plant of HVAC system at NIT, Rourkela for the following technical specifications.***

1. **Golden Jubilee Building:**
  - a. Core – I : 287.0 TR
  - b. Core – II : 346.5 TR
  - c. Core – III: 449.5 TR
  - d. Core – IV: 112.5 TR
2. **Mechanical Science Building: 729.0 TR**
3. **Lecture Complex – II: 527.0 TR**

**BWC: 39 (2020)-04: Comprehensive AMC and operation of AC Plant in Institute Guest Houses.**

Tender was called for Comprehensive AMC and round the clock operation of AC Plant in Institute Guest Houses vide Tender Notice No. NITR/PW/EM/2020/34, Dated:26.02.2020. As per standard practice, Purchase order was issued for such AMC operation. Hence, no BWC approval was taken for previous year tenders. As desired by IA, the AMC proposal should come through BWC. Hence, proposal submitted for necessary consideration for **“Comprehensive AMC with 24 hrs operations of Central Air-conditioning System of South and North Block Guest House and fresh air ventilation at various places at NIT, Rourkela”** amounting to ₹ 26,39,333.00 for two years.

***BWC approved the proposal. It is also decided that irrespective of nature of work all AMC amounting greater than Rs.25 Lakh should be placed to BWC for approval.***

***BWC: 39 (2020)-05: Purchase of Electrical Cables to meet emergency.***

The electrical system of NIT Rourkela consists of 33 KV Ring Main System with 11 numbers of substations having total installed capacity of 12.1 MW. This RMS has 5.6 kms of 33 KV UG cable as well as 0.8 kms of single circuit OH lines. At present, no spare HT cable is available which may cause severe disruption of power in case of any fault in the underground cable system.

Therefore, it is proposed to purchase 1000 mtr of 150 sq.mm 33 KV XLPE UE cable for emergency stock as well as to cater any HT extension job.

Also, NIT, Rourkela has a large network of LT Cables consisting of approximately 60 kms of UG cable. Very few quantity of cable is in stock. Hence, it is requested to purchase LT XLPE cable of various sizes to cater the future demand.

The estimated cost for HT cable is Approx. Rs.28Lakhs and for LT cable is 30Lakhs. (Detail as per annexure attached)

***BWC approved the proposal.***

***[Annexure – A2, Page No. 13 - 14]***

***BWC: 39 (2020)-06: Release of Retention money and Initial Security Deposit for Major Project Phase-II.***

All the buildings under Major Projects Phase-II has been completed by M/s SPCPL on dt.31/10/2019 and the virtual completion certificate were issued vide letter no.NITR/RG/2020/L/0014, dated:07.01.2020, NITR/RG/2020/L/0015, dated:07.01.2020& NITR/RG/2020/L/0016, dated:07.01.2020.M/s SPCPL has claimed the 50% of retention money and of total of Initial Security deposit vide letter no.SPCPL/1067/NITR/20-21/1336, dated:11.09.2020 in line with contract clause no.6 of the agreement which states “50% of retention money and total of security deposit will be returned after virtual completion of the work. Balance 50% of retention money shall be released to Second Party after satisfactory completion of Defect liability period (This amount will be kept in fixed deposit with first party after the work is virtually completed and the same will be returned along with interest after satisfactory completion of Defect liability period).”

All the buildings were completed and their defect liability period has also been expired. So M/s SPCPL is eligible for getting 100% of retention money and 100% of the total initial security deposit as per contract clause no.6.

In contrary, it is required to mentioned some points which as follows –

- Processing of final bill of the mentioned project was still pending.



- Defects pointed out during the DLP period in different buildings was still pending.
- Imposition of LD to the contractor (Maximum 5% of contract value i.e. Rs.15,14,11,993/-) is yet to be finalized which was intimated to the agency vide letter no. NITR/RG/2020/L/0135 dated 24/02/2020.

***BWC discussed and decided that in case the imposition of LD value is applicable against M/s SPCPL, an amount of Rs.15,14,11,993/- (maximum 5% of the contract value as per work order clause no.19) to be kept in hold and another Rs.2 crore also to be kept in hold to meet the defect liabilities, if arises. Further, it was decided to have a joint meeting between M/s. SPCPL and the construction committee of the Institute to sort out the issue of said payment and in case M/s SPCPL agrees on writing for an interim release of Rs.10 crore then that should be released to M/s SPCPL. The final settlement of payment to M/s SPCPL to be decided in BWC meeting and accordingly the closure of the contract with the construction firm, M/s SPCPL to be made.***

***In case M/s SPCPL agrees after joint meeting for interim release of Rs.10 crore, the bank guarantee of Rs.2,78,60,000/- issued by Union Bank of India vide BG No. 61410 IGL 0013314 to be returned back and the rest amount out of Rs.10 crore shall be transfer to the registered bank account of M/s SPCPL for this particular project.***

**[Annexure – A3, Page No. 15 - 19]**

***BWC: 39 (2020)-07: Proposal for IT Infrastructure for 2021 – 2023.***

Keeping in view the IT Infrastructure requirement at present and in future in the campus, the next three years proposals (enclosed as annexures) are placed.

***BWC discussed the proposal and recommended the same for FC. BWC advised HOD (CC) for preparation master plan for lying of data cable.***


**[Annexure – A4, Page No. 20 - 21]**

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

***BWC: 39 (2020)-08: Any other item with the permission of the chair.***

  
(Prof. P. K. Das)

Registrar & Secretary  
Building & Works Committee

  
(Prof. A. Biswas)

Director & Chairman  
Building & Works Committee



**National Institute of Technology  
Rourkela**

***MINUTES***

**38<sup>th</sup> Meeting of  
Building & Works Committee**

**DATE : 18<sup>th</sup> SEPTEMBER, 2020 (Friday)**  
**TIME : 10.00 A.M.**  
**VENUE: B. B. Auditorium, NIT, Rourkela**

*as*





राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela

Minutes of the 38<sup>th</sup> Building & Works Committee, National Institute of Technology, Rourkela to be held on 18.09.2020 (Friday) at 10.00 AM in the B. B. Auditorium of the Institute.

**Members Present**

1. **Prof. Animesh Biswas**  
Director & Chairman, BWC  
NIT, Rourkela
2. **Shri Rakesh Kumar Shah**  
DGM, Power Distribution  
SAIL, RSP, Rourkela
3. **Prof. Gopal Krishna Panda**  
Professor, Mathematics & Member, BOG  
NIT, Rourkela
4. **Prof. Prasanna Kumar Sahu**  
Professor, Electrical Engg. & Dean (PD)  
NIT, Rourkela
5. **Prof. Pradip Kumar Das**  
Registrar & Secretary, BWC,  
NIT Rourkela

**Invitees Present**

6. **Prof. P. Sarkar**  
PIC (Civil Const.), NIT Rourkela
7. **Prof. S. Karmakar**  
PIC (Elect. Const.), NIT Rourkela
8. **Prof. A. Sengupta**  
PIC (Elect. Maint.), NIT Rourkela
9. **Prof. M. K. Moharana**  
PIC (HVAC), NIT Rourkela
10. **Mr. Joydip Mondal**  
Executive Engineer, Estate, NIT Rourkela
11. **Mr. Rajesh Kumar Sahoo**  
Engineer, Estate, NIT Rourkela

**Members & Invitees Absent**

**12. Shri Madan Mohan**

Additional Director General  
Department of Higher Education  
Ministry of Human Resource Development  
Government of India  
Shastri Bhawan,  
New Delhi- 110001

**13. Shri Subhansu S. Satpathy**

GM, Design (Civil)  
SAIL, RSP, Rourkela

**14. Shri B. K. Pati**

Executive Engineer  
PWD, Uditnagar, Rourkela.

**15. Prof. Chitta Ranjan Patra**

Professor, Civil Engg.,  
Advisor to Director for Infrastructure Development  
NIT, Rourkela

**16. Prof. R. N. Behera**

PIC (Civil Maint.), NIT Rourkela



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela

Minutes of the 38<sup>th</sup> Building & Works Committee, National Institute of Technology, Rourkela to be held on 18.09.2020 (Friday) at 10.00 AM in the B. B. Auditorium of the Institute.

**A) GENERAL AND PROCEDURAL MATTERS.**

**BWC: 38 (2020)-01:** Welcome to the members by the Chairman of the BWC.

**BWC: 38 (2020)-02:** Confirmation of the minutes of the 37<sup>th</sup> Meeting of the BWC held on 29.05.2020.

The minutes of the 37<sup>th</sup> Meeting were sent to the members and no comments were received from the members.

***BWC confirmed the minutes of its 37<sup>th</sup> 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 as annexure) 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 in the Annexure document). 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 75<sup>th</sup> RA bill of Civil work and 38<sup>th</sup> 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.***

**[Annexure - A1, Page No. 6 - 46]**

**B) APPROVAL FOR PROJECTS: (PART- 'A')**

**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 as Annexure.

Source of fund – Institute operating grant.

***The BWC approved the proposal.***

***[Annexure – A2, Page No. 47 - 50]***

## **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. (Annexure-3)

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.***

***[Annexure – A3, Page No. 51 - 53]***

## **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 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 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. However first instalment i.e. 33.33% of estimated value of the project is to be disbursed after signing of MoU.**

**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 in Annexure as per the guidelines received from Ministry of Education over email dated 06.03.2020.

***BWC reviewed the projects and recommended to FC.***

***[Annexure – A5, Page No. 69]***

**5. Status of Major Maintenance /Renovation works :**

Status of major maintenance/renovation works is being enclosed as Annexure- A6. 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.***

***[Annexure – A6, Page No. 70 - 71]***

**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.

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.***

***[Annexure – A7, Page No. 72]***

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

D) APPROVAL OF TENDER FOR AWARD OF WORK [PART 'C']: NIL

E) 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.

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.**

[Annexure – A8, Page No. 73 - 74] :

**The meeting ended with thanks to the chair.**

  
Registrar & Secretary  
Building & Works Committee

Annexure – A2

<b>HT CABLE</b>					
<b>SI No.</b>	<b>Description</b>	<b>Unit</b>	<b>Rate in ₹</b>	<b>Quantity</b>	<b>Amount in ₹</b>
01	3C X 150 SQ MM 33 KV (UE) XLPE CABLE WITH STRANDED COMPACT CIRCULAR ALUMINIUM CONDUCTOR, CONDUCTOR SCREEN WITH EXTRUDED SEMI CONDUCTING COMPOUND, , XLPE INSULATED , INSULATION SCREENING WITH EXTRUDED SEMI CONDUCTING COMPOUND IN COMBINATION WITH COPPER TAPE, CORES LAID UP, <b>EXTRUDED INNERSHEATH OF PVC</b> , GALVANISED STEEL FLAT STRIP ARMoured , AND OVERALL PVC SHEATHED CABLE CONFORMING TO IS 7098 (PART-2) 2011 WITH UPTO DATE AMENDMENTS.				
	<b>150 sq. mm 3 core</b>	RM	2,359.00	1000	23,59,000.00
	GST @ 18 %				4,24,620.00
	<b>NET for HT CABLE</b>				<b>27,83,620.00</b>



<b>LT CABLE</b>					
<b>Item No.</b>	<b>Description of Stores</b>	<b>Unit</b>	<b>Qty.</b>	<b>Rate Per Unit (Rs.)</b>	<b>Total Cost (Rs.)</b>
	<b>XLPE Insulated Power cable, PVC Inner sheathed, extruded PVC type ST2 outer sheathed, 650/1100 V grade as per IS 7098 (part 1) 1988</b>				
<b>A</b>	<b><u>Unarmoured (A2XY)</u></b>				
1	2 core 10 sqmm (solid cable)	rmt	1000	54.00	54,000.00
2	4 core 10 sqmm (Solid cable)	rmt	500	81.00	40,500.00
3	2 core 16 sqmm	rmt	1000	67.00	67,000.00
4	4 core 16 sqmm	rmt	1000	105.00	1,05,000.00
5	4 core 25 sqmm	rmt	1000	143.00	1,43,000.00
6	4 core 35 sqmm	rmt	500	189.00	94,500.00
<b>B</b>	<b><u>Round Armoured (A2XWY)</u></b>				
1	2 core 10 sqmm (solid cable)	rmt	500	109.00	54,500.00
2	4 core 10 sqmm (solid cable)	rmt	500	144.00	72,000.00
3	2 core 16 sqmm	rmt	500	145.00	72,500.00
4	4 core 16 sqmm	rmt	500	181.00	90,500.00
5	4 core 25 sqmm	rmt	1000	235.00	2,35,000.00
6	4 core 35 sqmm	rmt	800	305.00	2,44,000.00
<b>C</b>	<b><u>Wire Armoured (A2XFY)</u></b>				
14	4 core 50 sqmm	rmt	1200	277.00	3,32,400.00
15	3.5 core 70 sqmm	rmt	500	341.00	1,70,500.00
16	3.5 core 95 sqmm	rmt	500	411.00	2,05,500.00
17	3.5 core 120 sqmm	rmt	500	514.00	2,57,000.00
18	3.5 core 185 sqmm	rmt	500	759.00	3,79,500.00
<b>Total :</b>					<b>26,17,400.00</b>
<b>GST @ 18%</b>					<b>4,71,132.00</b>
<b>Net Total for LT XLPE Cable:</b>					<b>30,88,532.00</b>



राष्ट्रीय प्रौद्योगिकी संस्थान  
NATIONAL INSTITUTE OF TECHNOLOGY  
राउरकेला, ROURKELA-769008, ओडिशा, ODISHA



**Annexure – A3**

No.NITR/RG/2020/L/0014

Dated:07.01.2020

To  
M/s Shapoorji Pallonji & Co. Ltd.,  
Mira Tower, 2<sup>nd</sup> floor, DN-27,  
Sector-V, Salt Lake,  
Kolkata-700091

Sub: Virtual Completion Certificate and Defect liability period.

Dear Sir,

This is for your information and necessary action that the Architect in respect of the following has submitted the virtual completion certificate as per particulars mentioned below:

Work Order No. NITR/PW/WO/CT/66/12-13/68, Dated. 22.02.2013				
SL. NO	Name Of Work	Name of the Architect	Date of Virtual Completion	Remarks
1	Lecture Hall Complex No-2.	M/s Arc & Design.	31.10.2019	
2	Mechanical Science Building.		31.10.2019	
3	Faculty Residence (3BHK &2BHK) + Parking in Basement		31.10.2019	

  
REGISTRAR  
कुलसचिव  
Registrar  
राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela

  
Received  
07/01/2020

-15-

फोन Phone : (0661) 2476773, फेक्स Fax : (0661) 2462022, वेबसाइट Website : www.nitrkl.ac.in

मा.सं.वि. मंत्रालय, भारत सरकार के अधिन एक राष्ट्रीय महत्व का संस्थान

An institute of national importance under ministry of HRD, Govt. of India



राष्ट्रीय प्रौद्योगिकी संस्थान  
NATIONAL INSTITUTE OF TECHNOLOGY  
राउरकेला, ROURKELA-769008, ओडिशा, ODISHA



No.NITR/RG/2020/L/0015

Dated:07.01.2020

To  
M/s Shapoorji Pallonji & Co. Ltd.,  
Mira Tower, 2<sup>nd</sup> floor, DN-27,  
Sector-V, Salt Lake,  
Kolkata-700091

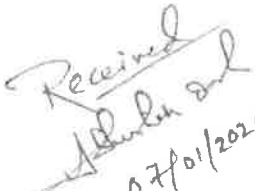
Sub: Virtual Completion Certificate and Defect liability period.

Dear Sir,

This is for your information and necessary action that the Architect in respect of the following has submitted the virtual completion certificate as per particulars mentioned below:

Work Order No. NITR/PW/WO/CT/66/12-13/68, Dated. 22.02.2013				
SL.NO	Name Of Work	Name of the Architect	Date of Virtual Completion	Remarks
1	Satish Dhawan Hall of Residence.	M/s Mukesh Associates	31.10.2019	

  
REGISTRAR  
कुलसचिव  
Registrar  
राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela

  
Received  
07/01/2020

-16-

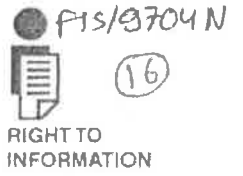
फोन Phone : (0661) 2476773, फेक्स Fax : (0661) 2462022, वेबसाइट Website : www.nitrkl.ac.in

मा.सं.वि. मंत्रालय, भारत सरकार के अधिन एक राष्ट्रीय महत्व का संस्थान

An institute of national importance under ministry of HRD, Govt. of India



राष्ट्रीय प्रौद्योगिकी संस्थान  
NATIONAL INSTITUTE OF TECHNOLOGY  
राउरकेला, ROURKELA-769008, ओडिशा, ODISHA



No.NITR/RG/2020/L/0016

Dated:07.01.2020

To  
M/s Shapoorji Pallonji & Co. Ltd.,  
Mira Tower, 2<sup>nd</sup> floor, DN-27,  
Sector-V, Salt Lake,  
Kolkata-700091

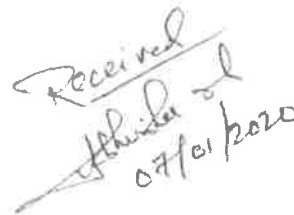
Sub: Virtual Completion Certificate and Defect liability period.

Dear Sir,

This is for your information and necessary action that the Architect in respect of the following has submitted the virtual completion certificate as per particulars mentioned below:

Work Order No. NITR/PW/WO/CT/66/12-13/68, Dated. 22.02.2013				
SL.NO	Name Of Work	Name of the Architect	Date of Completion	Remarks
1	Golden Jubilee Building.	M/s Inform Architect	31.10.2019	
2	Faculty Residence (Small)		31.10.2019	

  
REGISTRAR  
कुलसचिव  
Registrar  
राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela

  
Received  
07/01/2020

-17-

फोन Phone : (0661) 2476773, फेक्स Fax : (0661) 2462022, वेबसाइट Website : www.nitrkl.ac.in

मा.सं.वि. मंत्रालय, भारत सरकार के अधिन एक राष्ट्रीय महत्व का संस्थान

An institute of national importance under ministry of HRD, Govt. of India

Ref. No.: SPCPL/1067/NITR/20-21/ 1336

Date: 11<sup>th</sup> September, 2020

To  
The Registrar,  
National Institute of Technology,  
Rourkela - 769008,  
Odisha.

Sub: Construction of Civil, Electrical and HVAC works Major Projects (Phase -II) at NIT Rourkela.

Reg: Request for release of 50% Retention amount and total of Initial Security Deposit.

Ref:

1. Work order No: NITR/PW/WO/CT/66/12-13/68 dated 22.02.2013
2. Agreement dated 03.04.2013
3. SPCPL letter Ref No : SPCPL/1067/NITR/19-20/1315 dated 06.01.2020
4. SPCPL letter Ref No : SPCPL/1067/NITR/19-20/1318 dated 06.02.2020

Sir,

With reference to the above we would like to request you to release our following long pending overdue amount under provision of Cl 6 of agreement.

1. 50% of retention money amounting to Rs 11,85,19,149 against total retention amount deducted for Rs. 23,70,38,298 up to June 2019. Further, we have already requested you to deduct retention at the rate of 4% instead of provisioned 8% for unpaid bills, since any deduction greater than 4% will have to be reimbursed immediately.
2. Initial security deposit of amount Rs 3,07,04,800 submitted in the form of BG No 61410IGL0032013 and Initial-security deposit of amount Rs. 2,78,60,000 submitted in the form of BG No 61410IGL0013314.
3. EMD amount of Rs 20,00,000 deposited in the form of Demand draft.

4. Balance amount of Rs 49 lacs against Running account bill pending since July 2019.

Please note that we are suffering with huge cash crunch in this COVID-19 pandemic situation due to non-receipt of payment as per contractual clause and failed to fulfil the commitment of our vendors and contractors.

In view of above we request you to clear our overdue on priority so that we can get some relief from financial crunch in this pandemic situation.

Thanking you and assuring you our best ever engineering and construction services as always.  
For, Shapoorji Pallonji And Co. Pvt. Ltd.

Srijit Ghosh

Project in-Charge

Copy to:

Director, NIT Rourkela

Dean (P & D), NIT Rourkela

Asst. Registrar (Finance & Accounts), NIT Rourkela



**Shapoorji Pallonji And Company Private Limited**

Regional Office: PS Srijan Corporate Park, Tower-I, 7th Floor,  
Plot No. G-2, Block-GP, Sector-V, Salt Lake, Kolkata 700 091.

(T) +91 33 40016883, 40016884 (F) +91 33 40016885

Corporate Office: SP Centre, 41/44, Minoo Desai Marg, Colaba,  
Mumbai 400 005, Maharashtra, India.

(T) +91 22 67490000 (F) +91 22 66338176 website: www.shapoorji.in

Regd. Office: 70, Nagindas Master Road, Fort, Mumbai 400 023.

CIN: U45200MH1943PTC003812



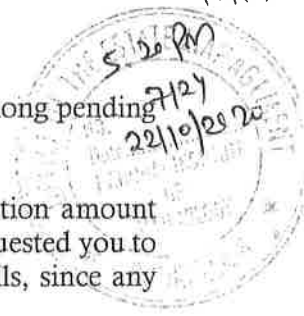
**ENGINEERING &  
CONSTRUCTION**

-18-

Becy (RG)  
11/9/20

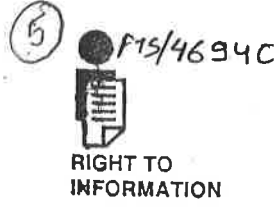


HOD (EM)  
for n.a.p.  
14/9/20





राष्ट्रीय प्रौद्योगिकी संस्थान  
NATIONAL INSTITUTE OF TECHNOLOGY  
राउरकेला, ROURKELA-769008, ओडिशा, ODISHA



No.NITR/RG/2020/L/0135

Date: 24.02.2020



To

M/s Shapoorji Pallonji & Company (P) Ltd,  
P.S. Srijan Corporate Park  
7<sup>th</sup> floor, Unit No.701&702  
GP-2 Block EP & GP  
Saltlake Sector-V  
Kolkata – 700 091

Sub:- Construction of Major Project (Phase-II), Work Order No- NITR/PW/WO/CT/66/12-13/68 dated 22.02.2013

Dear Sir,

This has reference to our intimation regarding virtual completion, pending defect liability if any to be rectified by you within the schedule time. Finally, it is revealed that the contract supposed to be completed on 11.04.2015, actually it has been virtually completed 31.10.2019 as reflected in the virtual completion certificate. Thus the contract seems to have been reached virtual completion and not real completion with a delay of 5 years 6 month 20 days, entailing levy of liquidated damages for the delayed completion. The reason of delay is solely attributable to you and the reason advance by you is without any merit.

Please be informed that Rs.15,14,11,993/- (5% of the contract value) is liable to be recovered/adjusted from the dues available if any or as per procedure.

Thanking You,

Yours Faithfully,

  
(Prof. P. K. Das)

REGISTRAR  
कुलसचिव  
Registrar

राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला  
National Institute of Technology, Rourkela

Copy to: 1) PS to Director for kind information

- 2) Dean (PD)
- 3) PIC (Civil)/ PIC (ET)/ AR (F&A)/ AR (PW)
- 4) HOD (EM)

-19-

फोन Phone : (0661) 2476773, फेक्स Fax : (0661) 2462022, वेबसाइट Website : www.nitrkl.ac.in

मा.सं.वि. मंत्रालय, भारत सरकार के अधिन एक राष्ट्रीय महत्व का संस्थान  
An institute of national importance under ministry of HRD, Govt. of India

## Annexure – A4

### Information technology infrastructure for NIT Rourkela

<b>Information technology infrastructure for 2020-2021</b>		
Sl. no.	Particulars	Estimate
1	Wireless controllers	1,500,000.00
2	SAN Switch (2 nos.)	2,000,000.00
3	Networking of Golden Jubilee Building	12,000,000.00
4	VC setup in Golden Jubilee building (Director, Registrar and Dean office rooms, Senate hall, Board Room)	3,000,000.00
5	Networking of Mechanical Science	5,000,000.00
6	Networking of LA-B	2,500,000.00
7	Surveillance System of Golden Jubilee Building	5,000,000.00
	<b>Total: Three crore Ten lacs only</b>	<b>31,000,000.00</b>
<b>Information technology infrastructure for 2021-2023</b>		
Sl. no.	Particulars	Estimate
8	Replacement of obsolete edge switches	12,000,000.00
9	Disaster Recovery Site	67,500,000.00
	Core switch:	15,000,000.00
	Firewall(2 nos.)	20,000,000.00
	DNS, DHCP, Authentication servers(3nos.)	1,500,000.00
	500 TB storage	20,000,000.00
	Smart rack(Smart data centre of 3 unit)	7,000,000.00
	40 KVA online UPS (2 nos.)	4,000,000.00
10	Personal computer for Research scholar and Faculties	20,000,000.00
11	Wireless Network for TIIR Building	1,500,000.00
12	Wireless Network for Guest House	1,500,000.00
13	Residential campus networking	25,000,000.00
14	Wireless Network for Halls	4,000,000.00
15	Expansion of HPC from 35 TF to 50 TF+	20,000,000.00
16	Expansion of Academic campus network	8,000,000.00
17	Streaming Server and server for smart classroom	20,000,000.00
18	Networking for new sports complex	5,000,000.00
	<b>Total: Eighteen Crore forty-Five Lakh only</b>	<b>184,500,000.00</b>

<b>Information technology infrastructure for 2020-2021</b>			
Sl. no.	Particulars	Estimate	Purchase Procedure
1	Wireless controllers	1,500,000.00	GeM
2	SAN Switch (2 nos.)	2,000,000.00	GeM
3	Networking of Golden Jubilee Building	12,000,000.00	Switch(GeM) Passive networking work(Open tender)
4	VC setup in Golden Jubilee building (Director, Registrar and Dean office rooms, Senate hall, Board Room)	3,000,000.00	GeM
5	Networking of Mechanical Science	5,000,000.00	Switch(GeM) Passive networking work(Open tender)
6	Networking of LA-B	2,500,000.00	Switch(GeM) Passive networking work(Open tender)
7	Surveillance System of Golden Jubilee Building	5,000,000.00	
8	Biometric Attendance System	1,500,000.00	GeM
9	Networking of new girls hostel	1,700,000.00	Switch & Wireless AP(GeM) Passive networking work(Open tender)

<b>AMC and Software License renewal</b>			
Sl. no.	Particulars	Estimate	Purchase Procedure
1	AMC: HPC 1		
2	AMC: HPC 2		
3			
4			
5			
6			
7			
8			
9			
	<b>Total: Three crore Ten lacs only</b>		