



National Institute of Technology Rourkela

MINUTES

54th Meeting of Building & Works Committee

DATE : 16th June, 2025 (Monday)
TIME : 04:00 P.M.
VENUE : Board Room, NIT, Rourkela



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology, Rourkela

54th Building & Works Committee, National Institute of Technology, Rourkela, held on
16.06.2025 (Monday) at 04:00 PM in the Board Room of the Institute & Google Meet (online).

Members Present

1. **Prof. K. Umamaheshwar Rao**
Director & Chairman, BWC
NIT, Rourkela
2. **Ms Veena Dunga** [Through online mode]
Deputy Secretary (NITs),
Technical Section - III (NITs Desk),
Department of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Government of India,
Room No.435, C - Wing,
Shastri Bhawan, New Delhi – 110115
3. **Mr. Mukesh Kumar** [Through online mode]
Director, IFD,
Ministry of Education (Shiksha Mantralaya), Government of India,
Shastri Bhawan, New Delhi – 110001
4. **Mr. Dillip Kumar Sahoo**
GM, Projects (Civil)
SAIL, RSP, Rourkela
5. **Prof. Ashok Kumar Turuk**
Professor, Computer Science and Engineering & Member,
BOG, NIT, Rourkela
6. **Prof. Pradip Sarkar**
Professor, Civil Engineering & Dean (PD)
NIT, Rourkela
7. **Prof. Rohan Dhiman**
Registrar & Member Secretary, BWC,
NIT, Rourkela

Invitees Present

8. **Prof. S. Karmakar, EE**
Associate Dean PD (MEP), NIT Rourkela
9. **Prof. R. N. Behera, CE**
PIC (Civil Works), NIT, Rourkela

10. **Prof. S. Anbarasu, ME**
PIC (HVAC), NIT Rourkela
11. **Mr. Bimalendu Mohanty**
HOD (EM), Superintending Engineer, NIT Rourkela
12. **Mr. Joydip Mondal**
Senior Executive Engineer, Estate, NIT Rourkela
13. **Mr. S. Subhadarshi**
Senior Executive Engineer (Civil), Estate, NIT Rourkela
14. **Mr. H. Satapathy**
Executive Engineer (Civil), Estate, NIT Rourkela
15. **Mr. Satyendra Das**
Technical Assistant [SG-II], Estate, NIT Rourkela

Members & Invitees Absent

16. **Mr. Sanjay Kumar Pradhan**
GM, Tower Engg (Elect)
SAIL, RSP, Rourkela
17. **Mr. Rajesh Kumar Sahoo**
Executive Engineer (E), Estate, NIT Rourkela





राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला

National Institute of Technology Rourkela

Minutes of the 54th Meeting of the Building & Works Committee, National Institute of Technology Rourkela held on 16.06.2025 (Monday) at 4:00 P.M. in the Board Room of the Institute & Google Meet (online).

A) GENERAL AND PROCEDURAL MATTERS

BWC: 54(2025)-01: Welcome to the members by the Chairman of the BWC.

The Director and Chairman BWC welcomed all the members to the meeting.

BWC: 54(2025)-02: Confirmation of the minutes of the 53rd meeting of the BWC held on 28.03.2025.

The minutes of the 53rd meeting were sent to the members, and no comments were received from members.

[Annexure - A1, Page No. 7 - 12]

The BWC confirmed the minutes of its 53rd meeting.

BWC: 54(2025)-03: To report on the action taken on the decisions made in the 53rd meeting of the BWC held on 28.03.2025 and to discuss matters arising out of the minutes.

The report on the action taken on the decisions made in the 53rd meeting of the BWC held on 28.03.2025 is presented for BWC's consideration.

[Annexure-A2, Page No. 13]

The BWC considered the agenda item and took note of it.

B) REVIEW OF ONGOING PROJECTS

BWC: 54(2025)-04: Review of ongoing Civil Projects.

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

[Annexure-A3, Page No. 14 – 16(a-j)]

The BWC perused the report and took note of it.

BWC: 54(2025)-05: Review of ongoing Electrical Projects.

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

[Annexure-A4, Page No. 17]

The BWC perused the report and took note of it.

C) APPROVAL FOR PROJECTS: (PART- 'A')

BWC: 54(2025)-06: Construction of a 500-Capacity Girls' Hostel with CSR Grant from M/s Mahanadi Coalfields Limited (MCL).

NIT Rourkela is currently facing an acute shortage of accommodation for female students. To temporarily mitigate this shortfall, common areas in existing hostels have been repurposed, staff quarters have been allocated for students, and two boys' hostels have been converted into girls' hostels. Despite these measures, the pressure on infrastructure remains critical, severely affecting students' access to essential facilities such as toilets, dining halls, and water supply.

To address this issue, the Institute is already constructing three new hostels (total capacity: 1,500) with funding from HEFA, an EWS grant from the Ministry, and a generous CSR contribution from M/s Mahanadi Coalfields Limited (MCL).

In response to our further appeal, M/s Mahanadi Coalfields Limited has sanctioned ₹43.82 crores under their CSR initiative for the construction of a fourth girls' hostel with a capacity of 500, which will complete the planned cluster of four hostels within the campus.

CPWD has submitted a preliminary estimate of ₹55.35 crores for the construction of the hostel. This estimate includes essential safety and infrastructure features such as boundary walls, peripheral roads with streetlights, and other necessary facilities. While the CSR grant from M/s MCL amounts to ₹43.82 crores, it is expected that the actual tendered cost may be lower than the estimated amount. In case of any shortfall after the tendering process, the balance amount is proposed to be met from the Institute's corpus fund.

It is proposed to take up the construction of the 500-capacity girls' hostel within the NIT Rourkela campus utilizing the CSR grant of ₹43.82 crores sanctioned by M/s MCL, and the Institute's corpus fund for the balance amount, if required.

Estimated cost – ₹55.35 crores

Source of the fund – CSR grant from M/s MCL (and Institute's corpus fund, if required)

[Annexure – A5, Page No. 18 - 36]

BWC recommended this proposal to FC/BOG for approval.

BWC: 54(2025)-07: Construction of School Assembly Facility for Kendriya Vidyalaya within Already Approved Budget.

On the recommendation of the BWC (vide BWC: 48(2023)-04 and BWC: 49(2023)-10), the FC/BoG (vide FC-66(2023)-06 and FC-68(2024)-03) had accorded administrative approval for the construction of a Kendriya Vidyalaya at a cost of ₹50.01 crores.

Although school assembly facilities are an essential component of a Kendriya Vidyalaya, this item was inadvertently omitted from the estimate submitted by CPWD at that time. As per the Works Manual of Kendriya Vidyalaya Sangathan (issued in May 2024), provision of a dedicated Assembly Area and Stage within the KV campus is a mandatory requirement.

To address this, CPWD has now submitted a separate estimate of approximately ₹2.18 crores for the construction of a School Assembly Facility. This includes provision for a stage and open assembly area, in line with the latest KVS norms.

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The proposed expenditure of ₹2.18 crores can be accommodated within the already approved budget of ₹50.01 crores for the Kendriya Vidyalaya, and no additional financial sanction is required. However, administrative approval is sought from the BWC to sanction this component of the work to CPWD.

Estimated cost – ₹2.18 crores

Source of the fund – Within the already approved project cost of ₹50.01 crores

[Annexure – A6, Page No. 37 - 63]

BWC administratively approved the proposal to sanction the work to CPWD.

BWC: 54(2025)-08: Approval for Renovation of Balance 50 Toilets in FR Faculty Residences.

On the recommendation of the BWC (vide BWC: 46(2023)-05), the FC/BoG had accorded administrative approval for an amount of ₹3.6875 crores (vide FC-64(2023)-03) for the renovation of toilets in all 84 units of FR Faculty Residences (252 units of toilets) at NIT Rourkela. The estimate was prepared by CPWD based on certain assumed scheme, methodology, and specifications.

Subsequently, after awarding the work and commencement of construction, the renovation scheme/methodology/specification had to be revised in consultation with domain experts, considering the actual site conditions. These changes were reported and approved in the 48th meeting of the BWC (vide BWC: 48(2023)-07), and CPWD was accordingly instructed to implement the revised methodology.

The construction agency appointed by CPWD (M/s Udra Construction Pvt. Ltd.) has completed 202 out of the 252 toilets as per the revised scheme, utilizing the entire tendered amount. The cost of the work has increased due to the change in methodology suggested after the contract was awarded. The agency is unwilling to continue with the remaining 50 toilets.

CPWD has approximately ₹49 lakhs of unutilized funds available from the original sanction. However, to complete the renovation of the balance 50 toilets, CPWD has submitted a fresh preliminary estimate of ₹1.26 crores. Therefore, an additional amount of ₹77 lakhs is required to complete the renovation of balance 50 toilets in FR faculty residences.

Estimated cost – ₹1.26 crores

Available fund – ₹49 lakhs

Additional amount required – ₹77 lakhs

Source of the fund – Institute Corpus

[Annexure – A7, Page No. 64 - 71]

BWC advised that detailed justification from CPWD be obtained, clearly indicating the specific components and factors that led to the increase in cost. The matter may be placed before the next meeting of the BWC with complete clarity for consideration.

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

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

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**F) DEVIATION, EXTRA ITEMS FOR VARIOUS WORKS & POINTS FOR INFORMATION OF BWC
[PART-'D']:** NIL

BWC: 54(2025)-09: Change in Building Layout of Kendriya Vidyalaya from Type A to Type A1 to Accommodate Balvatika Classes.

As per the recommendation of the BWC (BWC: 47(2023)-05), an estimate for constructing a Kendriya Vidyalaya with a Type A school building (two sections for each class from I to XII) was placed before the 48th meeting of the BWC (BWC: 48(2023)-04). Subsequently, on the recommendation of the BWC, the proposal was approved by the FC/BoG (vide FC-66(2023)-06).

Due to certain factors, the estimate was later revised and placed before the 49th meeting of the BWC (BWC: 49(2023)-10), and on the BWC's recommendation, the revised estimate was also approved by the FC/BoG (vide FC-68(2024)-03). All approvals were based on the construction of a Type A Kendriya Vidyalaya school building with two sections for each class from I to XII. The funding agency also considered this G+1 Type A school building and sanctioned funds accordingly.

Subsequently, Kendriya Vidyalaya Sangathan (KVS HQ) has requested the Institute, via letter No. 11350/KVS (HQs)/2024-25/Acad/6080 dated 07.02.2025, to initiate necessary administrative and financial measures for establishing Balvatika-1, Balvatika-2, and Balvatika-3 in the Kendriya Vidyalaya from the Academic Session 2025–26.

However, the current layout of the under-construction Type A school building does not accommodate these three new Balvatika classes (each with two sections) along with allied facilities. Given this, it is proposed to revise the layout of the under-construction building to a Type A1 configuration—accommodating one section each for Balvatika-1 to Class XII—using the available rooms in the existing structure.

In the future, subject to requirement and availability of funds for vertical expansion, the original Type A configuration (two sections from Balvatika-1 to Class XII) may be considered through the addition of another floor, which the current structural design already supports.

This change in scope from a Type A school building (two sections from Classes I to XII) to a Type A1 school building (one section from Balvatika-1 to Class XII) requires the approval of the Building and Works Committee.

Estimated cost – N/A

Source of the fund – N/A

[Annexure – A8, Page No. 72 - 75]

BWC recommended this proposal to FC/BOG for approval.

BWC: 54(2025)-10: Direction Regarding Final Settlement of Payment to M/s Inform Architects (P) Ltd. for Golden Jubilee Building Project.

On the recommendation of BWC (BWC: 10(2009)–09), a work order was issued to M/s Inform Architects (P) Ltd. (vide Work Order No. NITR/PW/WO/CT/80/10-11/96 dated July 06, 2010) for comprehensive architectural services for the construction of the Golden Jubilee Building at a consultancy fee of 2.25% of the total project cost.

All running bills submitted by the agency were approved and paid till 2018 as per the agreed payment schedule. However, multiple instances of non-performance were recorded thereafter. Serious non-cooperation was brought to the attention of BWC (BWC: 33(2019)-06-6), leading to issuance of warning letters on 16 July and 02 August 2019.

The building was completed in October 2019 but remains unoccupied due to the following major deficiencies attributed to the architectural consultant:

- a) Improper soil investigation, resulting in basement construction below the water table without adequate waterproofing arrangement
- b) Cracks in parts of the building, rendering some areas unsafe and unusable (BWC: 33(2019)-06-5)
- c) Architectural layout non-compliance with NBC-2016 and no support for local body approval
- d) Failure to provide structural vetting and necessary design calculation details despite repeated requests

Although fund provisioning was made, the final bill submitted by the agency in 2022 has not been paid due to these shortcomings. The work order lacks a penalty clause to take further contractual action. Meanwhile, all pending compliance tasks have been reassigned to CPWD, which is currently executing them. The associated construction agency M/s SPCPL has already been fully settled in January 2024.

In light of these facts, and in the absence of meaningful cooperation from M/s Inform Architects, the Institute seeks the direction of the BWC regarding whether to proceed with final settlement or take an alternative course of action.

Estimated cost – N/A

Source of the fund – N/A

[Annexure – A9, Page No. 76 - 90]

BWC expressed dissatisfaction with the performance of M/s Inform Architects (P) Ltd. and directed that no further payment be released. It also advised the Institute to explore the possibility of blacklisting the agency with intimation to all other NITs to prevent recurrence of such lapses.

BWC: 54(2025)-11: Post-Facto Approval for Reimbursement to CPWD Towards Differential GST and BMC Charges for constructing the Academic Building of NIT Rourkela at Bhubaneswar.

In reference to the letter received from the Executive Engineer, CPWD Bhubaneswar Division-III, dated April 7, 2025, CPWD requested the deposit of ₹1,32,45,252.00. This amount includes:

- a) ₹1,06,55,962.00 towards the differential GST amount, arising from a revision of GST rates from 12% to 18%, as per Office Memorandum No. 158/SE(TAS)/GST/2022/331 dated 10.08.2022, concerning adjustment on account of change in GST rate; and
- b) ₹25,89,290.00 towards Bhubaneswar Municipal Corporation (BMC) charges already paid by CPWD for the construction of the Academic Building of NIT Rourkela at the Bhubaneswar campus.

This deposit was essential to maintain the pace of construction and ensure full functionality of the building at the earliest possible. As the requested amount pertains to statutory payments, the Institute deposited ₹1,32,45,252.00 to CPWD Bhubaneswar (EE-BBSR-III) on May 22, 2025.

Estimated cost – ₹1.32 crores
Source of the fund – Institute Corpus

[Annexure – A10, Page No. 91 - 93]

BWC recommended to FC/BOG the post-facto reimbursement of ₹1,32,45,252.00 to CPWD for approval.

BWC: 54(2025)-12: Post-Facto Approval for Payment Towards Plantation Cost.


In reference to the letter received from the Divisional Forest Officer (DFO) cum Wildlife Warden, Rourkela Forest Division, Government of Odisha, dated March 10, 2025, the Institute was granted permission to remove 520 trees from Plot Nos. 155 & 156, Khata No. 25/24, Village: RTU-30A inside NIT Rourkela campus, for the construction of the Kendriya Vidyalaya project.

As per the directive from the DFO, and in compliance with compensatory afforestation norms, the Institute was required to either plant 5,200 saplings in a 1:10 ratio or deposit the plantation cost of ₹1,56,00,000/- (Rupees One Crore Fifty-Six Lakh only) in favour of the DFO, Rourkela. To avoid delays in obtaining the felling order and to ensure continuity of the construction activities, the Institute deposited the said amount on 7th April 2025 in favour of the DFO, Rourkela Forest Division.

Estimated cost – ₹1.56 crores
Source of the fund – Institute Corpus


[Annexure – A11, Page No. 94 - 101]

BWC recommended to FC/BOG the post-facto reimbursement of ₹1,56,00,000/- towards compensatory afforestation charges deposited with the Divisional Forest Officer, Rourkela, for approval.



19/6/2025

[Prof. Rohan Dhiman]
Registrar and Member Secretary
Building and Works Committee
NIT Rourkela



19.6.25

[Prof. K. Umamaheshwar Rao]
Director and Chairman
Building and Works Committee
NIT Rourkela



**National Institute of Technology
Rourkela**

MINUTES

**53rd Meeting of
Building & Works Committee**

DATE : 28th March, 2025 (Friday)
TIME : 12:30 P.M.
VENUE : Board Room, NIT, Rourkela



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology, Rourkela

53rd Building & Works Committee, National Institute of Technology, Rourkela, held on
28.03.2025 (Friday) at 12:30 PM in the Board Room & Google Meet (online) of the Institute

Members Present

1. **Prof. K. Umamaheshwar Rao**
Director & Chairman, BWC
NIT, Rourkela
2. **Ms Veena Dunga** [Through online mode]
Deputy Secretary (NITs),
Technical Section - III (NITs Desk),
Department of Higher Education,
Ministry of Education (Shiksha Mantralaya),
Government of India,
Room No.435, C - Wing,
Shastri Bhawan, New Delhi – 110115
3. **Shri N. S. Bisht** [Through online mode]
Deputy Secretary (Scholarship/NIT)
Ministry of Education (Shiksha Mantralaya), Government of India,
Department of Secondary & Higher Education,
Shastri Bhawan, New Delhi – 110001
4. **Shri Sanjay Kumar Pradhan**
GM, Tower Engg (Elect)
SAIL, RSP, Rourkela
5. **Prof. Ashok Kumar Turuk**
Professor, Computer Science and Engineering & Member,
BOG, NIT, Rourkela
6. **Prof. Pradip Sarkar**
Professor, Civil Engineering & Dean (PD)
NIT, Rourkela
7. **Prof. Rohan Dhiman**
Registrar & Member Secretary, BWC,
NIT, Rourkela

Invitees Present

8. **Prof. S. Karmakar, EE**
Associate Dean PD (MEP), NIT Rourkela
9. **Prof. R. N. Behera, CE**
PIC (Civil Works), NIT, Rourkela

10. **Prof. S. Anbarasu, ME**
PIC (HVAC), NIT Rourkela
11. **Mr. Bimalendu Mohanty**
HOD (EM), Superintending Engineer, NIT Rourkela
12. **Mr. Joydip Mondal**
Senior Executive Engineer, Estate, NIT Rourkela
13. **Mr. S. Subhadarshi**
Senior Executive Engineer (Civil), Estate, NIT Rourkela
14. **Mr. H. Satapathy**
Executive Engineer (Civil), Estate, NIT Rourkela
15. **Mr. Rajesh Kumar Sahoo**
Executive Engineer (E), Estate, NIT Rourkela

Members & Invitees Absent

16. **Shri Dillip Kumar Sahoo**
GM, Projects (Civil)
SAIL, RSP, Rourkela



राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला

National Institute of Technology Rourkela

Minutes of the 53rd Meeting of Building & Works Committee, National Institute of Technology Rourkela held on 28.03.2025 (Friday) at 12:30 P.M. in the Board Room of the Institute through Offline/VC mode.

A) GENERAL AND PROCEDURAL MATTERS

BWC: 53(2025)-01: Welcome to the members by the Chairman of the BWC.

The director and Chairman BWC welcomed all the members to the meeting.

BWC: 53(2025)-02: Confirmation of the minutes of the 52nd meeting of the BWC held on 07.01.2025.

The minutes of the 52nd meeting were sent to the members, and no comments were received from members.

BWC confirmed the minutes of the 52nd BWC meeting.

[Annexure - A1, Page No. 4 - 10]

BWC: 53(2025)-03: To report on the action taken on the decisions made in the 52nd BWC held on 07.01.2025 and to discuss matters arising out of the minutes.

The report on the action taken on the decisions made in the 52nd Meeting of the BWC held on 07.01.2025 is presented for BWC's consideration.

BWC noted the information.

[Annexure-A2, Page No. 11]

B) REVIEW OF ONGOING PROJECTS

BWC: 53(2025)-04: Review of ongoing Civil Projects

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

BWC noted the information.

[Annexure-A3, Page No. 12 - 14]

BWC: 53(2025)-05: Review of ongoing Electrical Projects

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

BWC noted the information.

[Annexure-A4, Page No. 15]

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C) APPROVAL FOR PROJECTS: (PART- 'A')

BWC: 53(2025)-06: Road Resurfacing Work for the Internal Roads of NIT Rourkela

Over the years, due to weathering effects and the absence of resurfacing in the last ten years, the campus roads have deteriorated significantly, resulting in potholes and damaged surfaces. Numerous complaints have been received from residents regarding these issues. Given the financial constraints, resurfacing the entire road network is not feasible at this stage. Instead, it is proposed to repair the most severely damaged sections requiring immediate attention. CPWD has provided an estimate of ₹1,99,98,000/- for this work.

Estimated cost – ₹1,99,98,000/-

Source of the fund – OH 31

After a thorough discussion, the BWC approved the proposal. During the discussion, the Committee recommended that photographs of the deteriorated road sections be included in the minutes for reference. Accordingly, relevant photographs have been included in Annexure – A5 (Page No. 23-25).

The Committee also inquired about the total length of the road considered for resurfacing under this proposal. The Dean (P&D) informed that the proposal accounts for the most severely damaged sections of the roads in different parts of the campus, amounting to an approximate total length of 2.5 km.

The Committee noted the details and approved the proposal for execution as per the estimate provided by CPWD.

[Annexure – A5, Page No. 16 - 25]

BWC: 53(2025)-07: External Painting of Residential Buildings of NIT Rourkela

For the past seven to ten years, no external painting has been carried out on the staff residential quarters and student hostels on campus. Due to prolonged weathering, the buildings have developed discoloration, black patches, and an overall shabby appearance. To address both maintenance concerns and aesthetic improvements, it is essential to undertake external painting. Given financial constraints, it is proposed to prioritize painting for the most critically affected residential quarters and hostels. CPWD has provided an estimate of ₹1,99,94,000/- for this work.

Estimated cost – ₹1,99,94,000/-

Source of the fund – OH 31

After deliberation, the BWC approved the proposal for the external painting of selected buildings. During the discussion, the Committee recommended that photographs of the affected building exteriors be included in the minutes for reference. Accordingly, relevant photographs have been included in Annexure – A6 (Page No. 33-34).

The Committee also inquired about the specific buildings considered for external painting under this proposal. The Dean (P&D) informed that the proposal covers two student residences (Satish Dhawan Hall of Residence and Verghese Kurien Hall of Residence) and two staff residences (FRA and FRB).

The Committee acknowledged the need for this work and approved the proposal for execution as per CPWD's estimate.

[Annexure – A6, Page No. 26 - 34]

BWC: 53(2025)-08: Restoration of Unlined Storm Water Drain inside NIT Rourkela Campus

A significant portion of the stormwater drains on both sides of the campus roads remains unlined, leading to frequent blockages, choking of hume pipes at cross-road locations, and water stagnation. As a result, considerable funds are spent each year on clearing these drains after the rainy season. To address this issue and ensure long-term efficiency, it is proposed to rework the drains with concrete lining. Given financial constraints, this work will be carried out in phases, with the first phase covering the most critical sections. CPWD has provided an estimate of ₹1,16,51,000/- for this phase.

Estimated cost – ₹1,16,51,000/-

Source of the fund – OH 31

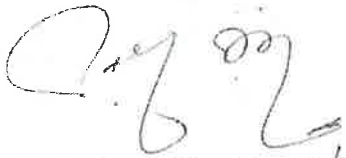
After discussion, the BWC approved the proposal. The Committee also recommended including photographs of the unlined stormwater drains in the minutes for reference. Accordingly, relevant photographs have been annexed as Annexure – A7 (Page No. 43).

[Annexure – A7, Page No. 35 - 43]

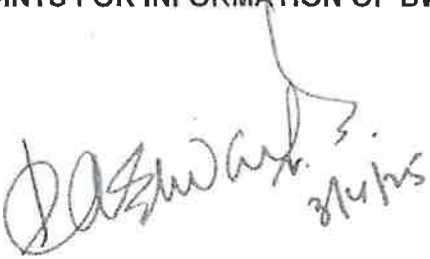
D) APPROVAL OF BOQ AND ESTIMATE FOR TENDERING NEW PROJECT [PART 'B']: NIL

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

F) DEVIATION, EXTRA ITEMS FOR VARIOUS WORKS & POINTS FOR INFORMATION OF BWC [PART-'D']: NIL


[Prof. Rohan Dhiman]
Registrar and Member Secretary
Building and Works Committee
NIT Rourkela

3/4/2025


[Prof. K. Umamaheshwar Rao]
Director and Chairman
Building and Works Committee
NIT Rourkela

ANNEXURE - A2**Report on the action taken on the decisions made in the 53rd Meeting of BWC held on 28.03.2025**

BWC item No.	Item Descriptions	Action taken
<i>BWC:53 (2025)-01:</i>	Welcome to the members by the Chairman.	NA
<i>BWC:53 (2025)-02:</i>	Confirmation of the minutes of the 53 rd Meeting of the BWC held on 28.3.2025	NA
<i>BWC:53 (2025)-03:</i>	To report on the action taken on the decisions made in the 52 nd Meeting of BWC held on 07.01.2025 and to discuss matters arising out of the minutes.	NA
<i>BWC:53 (2025)-04:</i>	Review of ongoing Civil projects	NA
<i>BWC:53 (2025)-05:</i>	Review of ongoing Electrical projects	NA
<i>BWC:53 (2025)-06:</i>	Road resurfacing work for the internal roads of NIT Rourkela	A/A & E/S for the work has been sanctioned to CPWD vide no. NITR/RG/2025/L/ 0181 Dt. 28.03.2025
<i>BWC:53 (2025)-07:</i>	External painting of residential buildings of NIT Rourkela	A/A & E/S for the work has been sanctioned to CPWD vide no. NITR/RG/2025/L/ 0182 Dt. 28.03.2025
<i>BWC:53 (2025)-08:</i>	Restoration of unlined storm water drains inside NIT Rourkela campus	A/A & E/S for the work has been sanctioned to CPWD vide no. NITR/RG/2025/L/ 0183 Dt. 28.03.2025

Annexure – A3

Status of On-going Civil works by CPWD at NIT Rourkela up to 30.04.2025

Sl. No.	Name of the Work	AA & ES of PE		Fund Deposited by Client	Tendering Status	Name of the Executing Agency	Agreement No. & Date	Awarded Value of the Work	Date of Commencement	Stipulated Date of Completion	Revised Date of Completion	Upto date Expenditure made by CPWD (Figure in lakh)	Present Status of the Work		Remarks
		Amount (Rs.)	Date of Sanction										Physical (%)	Financial (%)	
1	Construction of Sports and Common Facilities Complex for NIT Rourkela at Rourkela, Odisha.	24,99,77,000	NITR/RG/2020/L/0227 & Dt. 20.03.2020	24,99,70,000	Work awarded	Earlier the work was awarded to Harpal Singh. Due to poor performance, the contract was terminated and balance work was awarded to M/s Junaid Enterprises	14/EE/SD/06/NIT/CE/CPWD/BBSR/ 2022-23. (M/s Junaid Enterprises)	21,59,15,767	24.10.2022	23.10.2023	31.08.2025	2297.20	85%	80%	1.RCC work 100% Completed. 2.Brick work 100% completed. 3.Plastered work 100% completed. 4.Plumbing work 95% completed. 5.Flooring work in Progress. 6.Electrical work 70% completed. 7. False ceiling work in progress. 8. SS railing in progress. 9. Painting work in progress. 10. Road work in progress. 11. Roof sheeting work of indoor in progress. Contractor is slow and action for levy of compensation against the Contractor for delay has been initiated.
2	Construction of 1000 Seated Open Air Theatre (OAT) at NIT Rourkela.	6,00,00,000	NITR/RG/2020/L/0477 & Dt. 10.07.2020	6,00,00,000									80%	75%	1.RCC work 100% Completed. 2. Brick work 100% completed. 3.Plastered work 100% completed. 4.Plumbing work 80% completed. 5 Electrical work 60% completed. 6.Flooring work in Progress. Contractor is slow and action for levy of compensation against the Contractor for delay has been initiated.
3	Construction of Connecting corridor and Canteen between Lecture Complex-I and Lecture Complex-II at NIT, Rourkela (Odisha).	9,63,07,000	NITR/ RG/ 2023/ L/ 0040 dated 20.01.2023	6,42,04,333	Work in Progress	M/s Swaraj Construction	06/EE/RKL//CPWD/2023-24	5,78,52,204	15.1.2024	14.01.2025	04.10.2025	346.20	36%	36%	Initially the work was delayed due to various services lines across the site & change in design due to change in drawings. So, the date extended till 4.10.2025. Present status is: i). Raft completed. ii) Retaining wall, columns below plinth level completed.
4	Renovation of Toilet of all 84 Units of faculty Residence at NIT, Rourkela, Odisha.	3,68,75,000	NITR/ RG/ 2023/ L/ 0146 dated 22.02.2023	3,68,75,000	Work in Progress	M/s Udra Construction Private Limited	23/EE/SD/12/NIT/SE-Sambalpur/CPWD/2022-23	3,23,66,174	07.05.2023	06.03.2024		350.66	100%	80%	202 nos toilets completed and being used by the occupants. Balance 50nos could not be done within this Approved cost due to extra item as per letter from Registrar on dt. 04.09.2023 & due to work of temporary KV work done within this agreement.
5	Providing and Fixing Shed over roof of Lecture Hall Complex-II, Mechanical Science building, Faculty residence A and B (FRA & FRB) including necessary truss at NIT, Rourkela, Odisha	10,82,70,000	NITR/ RG/ 2023/ L/ 0146 dated 22.02.2023	9,77,04,000	Work in Progress	M/s Vijay Singh & Sons	01/EE/SD/12/NIT/SE-Sambalpur/CPWD/2022-23	6,70,08,182	28.05.2024	27.01.2024	30.06.2025	400.26	78%	60%	1) Truss and sheet work including gutter in FRA & FRB completed. 2) LC-I & II Truss and sheet work completed. 3) Mechanical Science building - work under progress.
6	Construction of School building (G+1) Type-A, Staff Quarters (8 nos Type-II, 8 nos Type-III, 1 no Type-V), MP hall, Pump House, Canteen etc. for KV at NIT, Rourkela, Odisha.	50,00,99,000	NITR/RG/2024/L/0063 dated 29.01.2024	10,00,00,000	Work in Progress	M/s Dubey Goyal & Company	08/EE/RKL/CPWD/2023-24	32,08,90,973	15.6.2024	14.03.2026	26.06.2026	952.38	35%	30%	1) All statutory approvals obtained. 2) School bldg- All slab casted. Brick work in progress. 3) Type III:- All slab casted. Brick work completed. 6) Type-II:-RCC work in GF in progress. 7)Type V:- RCC work completed. 8) MP hall- RCC work above plinth level in progress.
7	Construction of 1000 Capacity Boys Hostel (G+6) at NIT,Rourkela (Odisha). (HEFA)	1,00,72,00,000	NITR/ RG/ 2024/ L/ 0064 dated 29.01.2024	31,48,90,000	Work in progress	M/s Shreejirkupa Project Limited	02/EE/RKL/CPWD/2024-25	2,36,77,36,028	1.09.2024	31.08.2027		1409.75	10%	7%	1. RMC Approval received for a) Boys Hostel, b)Girls Hostel. c) Type-II & Type-III d) Old FR-A & FR-B quarters.
8	Construction of 500 Capacity Girls' Hostel (G+6) at NIT,Rourkela (Odisha),(HEFA)	43,67,00,000	NITR/ RG/ 2024/ L/ 0064 dated 29.01.2024	14,14,20,000								703.00			2. RMC aproval of new FR quarters in progress. 3. Boys Hostel- Foundation work in progress.

ANNEXURE-A3

Physical & Financial Progress Report of Qtr. 01st FY 2025-26, National Institute of Technology, Rourkela, Financial Quarter (Q1) from Apr 2025 to May 2025, year 2025-26																
Sl. No.	Executing Agency (PNC)	Description of Project (including components)	Approved Cost (A/A & E/S)	Date of Sanction	Actual Date of Start of Project	Stipulated Date of Completion	Financial Progress of work details for previous quarter (In Crore)	Physical Progress of work previous quarter (%)	Financial Progress of work details during the quarter (Cr.)	Actual Progress achieved during the quarter (%)	Cumulative Financial Progress work till present quarter (In Cr)	Cumulative Physical Progress work till present quarter(%)	As on 29.05.2025			
													Expenditure incurred till the previous quarter (Cr.)	Additional Expenditure incurred during the quarter (Cr.)	Cumulative Expenditure incurred till date (Cr.)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
1	CPWD, BBSR	Construction of Academic Building of NIT Rourkela at Bhubaneswar (i/c TWS, SI, IET and etc.	19.93 Cr.	07-04-2021	20.01.2022	31.12.2023 (extended date up to 31.10.2024)	C=15.77 E=2.76 Total-18.53	90%	C=76 E-NIL Total-0.76	5%	19.29	95%	C=15.77 E=2.76 Total-18.53	C=0.76 E-NIL Total-0.76	C=16.53 E=2.76 Total-19.29	
													Fund already Received (in Cr.)	Balance fund lying as on date (in Cr.)	Additional funds required (in Crore)	Remarks
													17	18	19	20
													21.32 Crore (Fund transfer to Elect Rs.2.8 Cr)	C-1.28 E-1.11 Total-2.39 Cr		

Assistant Accounts Officer
Bhubaneswar III

AE-III
Bhubaneswar III

Executive Engineer
Bhubaneswar III

Ongoing Projects of NIT Rourkela



Sports Complex Building



Kendriya Vidyalaya School Building



KV Staff Quarters (Type-III)



KV Staff Quarters (Type-II)



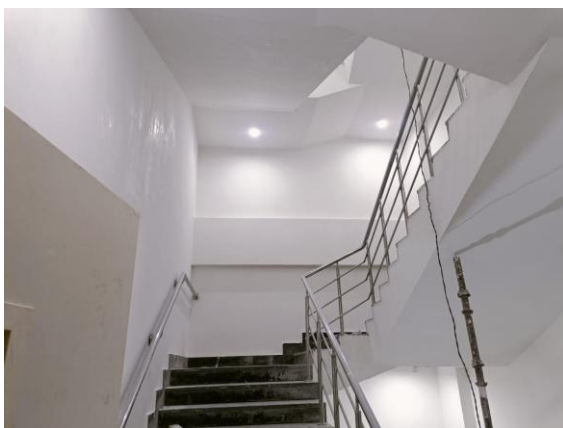
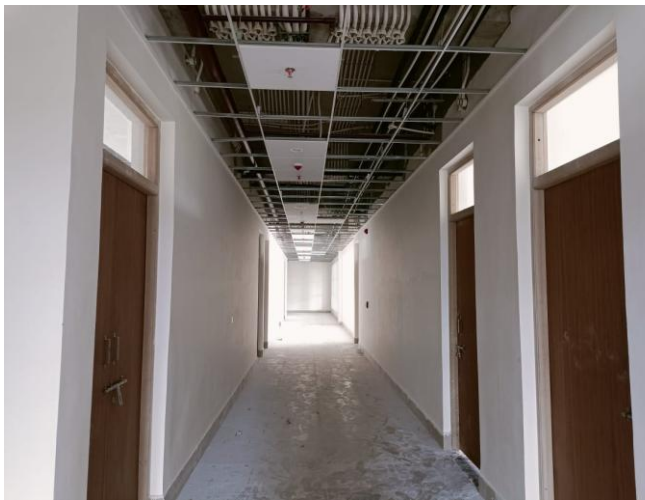
KV Staff Quarters (Type-V)



KV Multipurpose Hall



Golden Jubilee Building



Academic Building Bhubaneswar



Shed Over Roofs



Boys Hostel



Staff Quarters



Girls Hostel



Faculty Residence



Connecting Corridor between LA-1
and LA-2

Annexure – A4

Status of On-going Electrical works by CPWD at NIT, Rourkela up to 30.04.2025

Sl. No.	Name of the Work	AA & ES of PE		Fund Deposited by Client	Tendering Status	Name of the Executing Agency	Agreement No. & Date	Awarded Value of the Work	Date of Commencement	Stipulated Date of Completion	Revised Date of Completion	Upto date Expenditure made by CPWD (Figure in lakh)	Present Status of the Work		Remarks
		Amount (Rs.)	Date of Sanction										Physical (%)	Financial (%)	
1	HVAC project for golden jubilee building, Mech science building & lecture complex-II i/c plant room and SITC of Substation for AC plant at NIT rourkela(SH: SITC of HVAC system for 3-years on EPC basis.	29,12,34,000	NITR/ RG/ 2021/ L/ 0597 dated 28.07.2021	19,83,75,490	O & M in progress	M/s Udra Construction Private Limited	03/EE(E) -Sambalpur/ CPWD/2022-23	19,52,40,000	20.12.2022	19.08.2025	19.08.2025	1968.27	100%	95%	Completed and Handed Over. O&M going on.
2	Fire Fighting works ,Pressurization of lift lobby, staircase and ventilator of corridor for Golden Jubilee building at NIT Rourkela.	4,55,17,000	NITR/ RG/ 2023/ L/ 0146 dated 22.02.2023	1,51,70,816		M/s Udra Construction Private Limited	06/EE(E)- Sambalpur/CPWD/Sambalpur/2024-25	3,90,00,884	24.12.2024	23.03.2025	31.08.2025	33.80	50%	33%	1. LED fittings installation in progress. 2. Old fitting dismantling work in progress. 3. Ducting work completed and fans installation going on. 4. Light fittings work is dependent on false ceiling work, which is going on.
3	Special repair of Golden Jubilee Building at NIT Rourkela, Odisha (Restoration of Fire fighting and fire alarm of GJB and installation of PA system and Signage).	4,83,00,000	NITR/ RG/ 2024/ L/ 0447 dated 06.06.2024		Work in Progress	M/S Paramount Building Solution	03/EE(E)- Sambalpur/CPWD/Sambalpur/2024-25	83,77,318	27.08.2024	05.03.2025	31.08.2025		80%	75%	1. Fire Alarm panel approved & procured by agency on transit. 2. For Fire Fighting, need to be repaired for which approval was received recently from the NIT R.
4	Reocation of existing HT lines inside NIT Rourkela premises.	1,99,98,141	NITR/RG/2024/L/0691 Dated 03.10.2024.		Work in Progress	M/s Kalina Construction	05/EE(E)- Sambalpur/CPWD/Sambalpur/2024-25	14,30,485	01.11.2024	31.01.2025	31.05.2024		15%	10%	1. DP structure erected. 2. HT cable laying work 80% completed.

ମହାନଦୀ କୋଲଫିଲ୍ଡସ୍ ଲିମିଟେଡ୍
Mahanadi Coalfields Limited
 (A subsidiary of Coal India Limited)
 www.mahanadicoal.in

General Manager (CSR),
 MCL, Jagruti Vihar, Burla
 Sambalpur (Odisha) 768020
 gm-csr.mcl@coalindia.in
 gmcsr.mcl@gmail.com
 Ph: 0663-2542030



MCL

Ref/ କ୍ରମାଙ୍କ: ଏମସିଏଲ/ସମ୍ବଲପୁର/ସି.ଏସ.ଆର/2025-26/ 148

ଦିନାଙ୍କ: 24.05.2025

To,
 The Director, NIT Rourkela,
 Sundargarh, Odisha

Subject:- Financial assistance for "Construction of 500 seated girls Hostel at NIT Rourkela under CSR initiative of MCL".

Dear Sir,

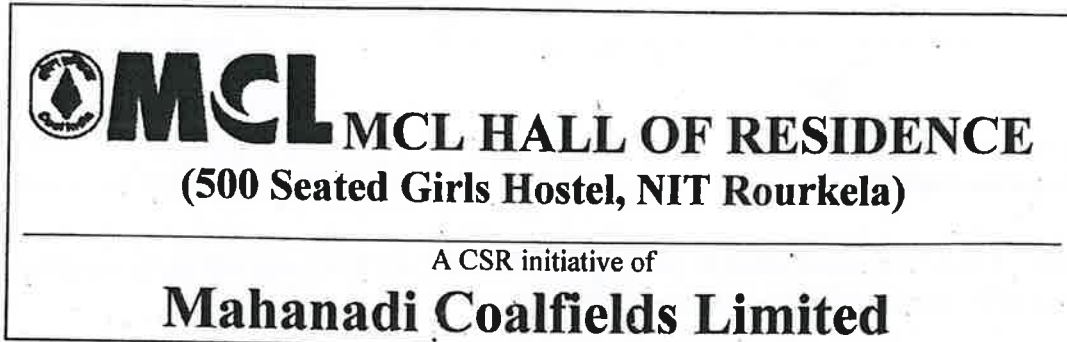
This is to communicate the approval of Competent Authority for Rs. 43,81,93,000.00 (Rupees Forty Three Crore Eighty One Lakh Ninety Three Thousand only) for the subject work. The modality for release of payment is as below:

First Instalment (10%)	Up to 10% of the approved project value or Work Order value (whichever is lower), upon submission of the Work Order.
Second Instalment (35%)	Cumulative disbursement up to 45% of the approved project value or Work Order value (whichever is lower), upon submission of: <ul style="list-style-type: none"> • 75% Utilization Certificate (UC) of the previously released amount • Submission of all Statutory clearances • Progress report • Geo-tagged photographs
Third Instalment (35%)	Cumulative disbursement up to 80% of the approved project value or Work Order value (whichever is lower), upon submission of: <ul style="list-style-type: none"> • 75% UC of the previously released amount • Progress report • Geo-tagged photographs
Fourth Instalment (20%)	Final disbursement up to 100% of the approved project value or Work Order value (whichever is lower), upon submission of: <ul style="list-style-type: none"> • 75% UC of the total released amount • Joint inspection report by officials of MCL & NIT, Rourkela • Geo-tagged and high-quality photographs (for publicity purposes) • Work completion certificate. • Short documentary film on the completed project (if feasible)
Submission of 100% UC of the entire amount after completion of project.	

The work will be undertaken by NIT, Rourkela on deposit basis. In this, an MOU will be signed between MCL and NIT Rourkela.

[Handwritten signatures]

MCL HALL OF RESIDENCE will be inscribed at main entry of finished structure of the Hostel Building. Also, retro-reflective ACP display boards of 6ft*4ft should be displayed as shown below at prominent locations of the premises. The Board shall be written in big fonts in dark blue over satin blue background.



Yours Sincerely,


24/05/25
 General Manager (CSR), MCL

Copy for kind information:

1. Director (HR), MCL

Distribution: -

- 1) GM(F/XP), MCL
- 2) TS to CMD, MCL
- 3) Case file
- 4) Office Copy



Speed Post/Mail/Hand

भारत सरकार
Government of India
केंद्रीय लोक निर्माण विभाग
Central Public Works Department



अधीक्षण अभियन्ता-राउरकेला का कार्यालय
केंद्रीय लोक निर्माण विभाग
सम्पदा कार्यालय के सामने,
राष्ट्रीय प्रौद्योगिकी की संस्थान राउरकेला
परिसर, राउरकेला, ओडिशा, पिन-769008

O/o The Superintending Engineer
Rourkela, CPWD,
Opposite to Estate Office,
NIT Rourkela Campus
Rourkela, Odisha, Pin-769 008



ई-मेल/Email: se-rourkela@cpwd.gov.in/serourkelacpwd@gmail.com

पत्रांक: 23(306)/PE /अ.अभि.-राउरकेला /के.लो.नि.वि /2025/ 504 -(हि.)

दिनांक: 02.06.2025

सेवा में,

**The Registrar
NIT- Rourkela
Rourkela, Odisha-769008**

विषय: - Submission of Revised Preliminary Estimate for the work of "Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha)"

सन्दर्भ : Requisition received by mail from Dean (PD) NIT-Rourkela dated 27.05.2025

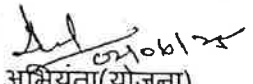
महोदय,

Enclosed please find herewith the Preliminary Estimate (PE- No. 06/PE/SE-Rourkela/CPWD/2025-26) in duplicate for the above-mentioned work amounting to Rs. 55,34,53,000/- including cost index of Rourkela on DPAR-2023 @ 9%, EPF & ESI @ 3.94% and contingencies @3% for accord of A/A & E/S from the competent authority.

Necessity of framing the estimate has been explained in the history sheet of the estimate. A copy of the sanctioned PE may be sent to this office for taking further necessary action.

This issues with the approval of SE-Rourkela.

संलग्न: - उपरोक्तानुसार


सहायक अभियन्ता(योजना)
कार्यालय अधीक्षण अभियन्ता राउरकेला
के.लो.नि.वि., राउरकेला

प्रतिलिपि:

- 1) Dean (P&D), NIT- Rourkela Campus, Rourkela, Odisha
- 2) Executive Engineer-Rourkela, CPWD, Rourkela
- 3) Executive Engineer(E)-Rourkela, CPWD, Rourkela

/

सहायक अभियन्ता(योजना)
कार्यालय अधीक्षण अभियन्ता राउरकेला



भारत सरकार
Government of India
केंद्रीय लोक निर्माण विभाग
Central Public Works Department



अधीक्षण अभियन्ता-राउरकेला का कार्यालय
केंद्रीय लोक निर्माण विभाग
संपदा कार्यालय के सामने
राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला परिसर
राउरकेला, ओडिशा, पिन-769008

O/o The Superintending Engineer
Rourkela, CPWD
Opposite to Estate Office
NIT Rourkela Campus
Rourkela, Odisha, Pin-769 008



ई-मेल/Email: se-rourkela@cpwd.gov.in/serourkelacpwd@gmail.com

PRELIMINARY ESTIMATE

Name of Work : Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha).

Estimate No. : 06/PE /SE-Rourkela/CPWD/2025-26

PE Amount : Rs. 55,34,53,000.00 /- i/c Contingencies

Location : NIT Rourkela, Odisha.

Time : 28 Months after accord of A/A & E/S and deposit of fund whichever is later.

YEAR : 2025-26

Superintending Engineer- Rourkela
CPWD, Rourkela (Odisha)
(E- mail: se-rourkela@cpwd.gov.in)



भारत सरकार

Government of India

केंद्रीय लोक निर्माण विभाग

Central Public Works Department



अधोक्षण अभियन्ता-राउरकेला का कार्यालय
केंद्रीय लोक निर्माण विभाग
संपदा कार्यालय के सामने
राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला परिसर
राउरकेला, ओडिशा, पिन-769008

O/o The Superintending Engineer
Rourkela, CPWD
Opposite to Estate Office
NIT Rourkela Campus
Rourkela, Odisha, Pin-769 008



ई-मेल/Email: se-rourkela@cpwd.gov.in/serourkelacpwd@gmail.com

STATE: ODISHA

BRANCH: B & R

DIVISION: Rourkela

PE No.: 06/ PE/SE- Rourkela/2025-26

Name of Works: - Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha).

Major Head	Minor Head	Detailed Head
8443-Deposit		

This Preliminary Estimate amounting to **Rs. 55,34,53,000/-** i/c Cost Index @9% on DPAR 2023 for Rourkela as on 01.10.2024, EPF and ESI charges @ 3.94% and contingencies @ 3% has been prepared by Er. Shri Ram Sahu, Executive Engineer- Rourkela, CPWD, Rourkela and by Er. Mohan Lal Executive Engineer (Elect.)- Rourkela for Civil and Electrical works respectively and further processed in the Office of Superintending Engineer-Rourkela, CPWD, Rourkela.

HISTORY REPORT

A) History:

This Preliminary Estimate amounting to **Rs. 55,34,53,000/-** i/c Cost Index @9% on DPAR 2023 for Rourkela as on 01.10.2024, EPF and ESI charges @ 3.94% and contingencies @ 3% has been framed to cover the probable cost of the work for obtaining the Administrative Approval and Expenditure Sanction of the competent Authority.

Earlier, a PE amounting to Rs. 43,81,93,000/- was submitted to NIT Rourkela vide SE-Rourkela letter no. 23(306)/PE /अ.अभि.-राउरकेला /के.लो.नि.वि /2025/ 45-(हि.) दिनांक: 14.01.2025 on the basis of requisition received by mail from Dean (PD), NIT, Rourkela on dt. 09.01.25. Subsequently, observations were received from NIT Rourkela authority vide Dean (PD) email 27.05.2025, requisitioning addition of some other works related to Girls' Hostel as stated therein (Copy attached herewith as **Annexure-A**). Accordingly, this revised preliminary estimate has been framed considering the estimate submitted earlier and incorporating the new scope of works as per recent email dated 27.05.2025.

For Architectural drawings of the Girls' Hostel, the architectural drawings prepared by the Chief Architect, O/o the Special Director General, CPWD, Kolkata and submitted to NIT, Rourkela Vide letter no-12(2)/64/CA(Kol)/322(H) dated 14.12.2023 have been considered. List of the Architectural drawings is as below:

Sl. No.	Drawing Title	Drawing Number
1	Typical Unit Floor Plan	CA(KOL)/12(2)/64/NIT(RKL)/GH/1000(PD)/01/1287

2	Part Layout Plan	CA(KOL)/12(2)/64/NIT(RKL)/GH/1000(PD)/01/1288
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B) Design & Scope:

Following provisions have been kept in the estimate:

1) Building Portion: RCC framed structure with floor height 3.30m and foundation depth 2.50m and Plinth area Ground Floor =1385 Sqm, First Floor =1370 Sqm, 2nd Floor=1370 Sqm, 3rd Floor =1370 Sqm, 4th Floor=1370 Sqm, 5th Floor= 1370 Sqm, 6th Floor= 1370 Sqm, Mumty=225 Sqm TOTAL PLINTH AREA =9860 Sqm. Services like Internal water supply & sanitary installation, external service connection, internal electric installations including power wiring and lightning conductor etc. have been considered in this estimate.

2) Development of Site (Civil): Based on the Site inspection, following provisions are considered in this estimate:

- i. **Levelling**-Area for development of the total Plinth area of has been considered.
- ii. **Internal Road & Path**- Cement Concrete Road with vacuum dewatered concrete of width 6.0m for a length of 500m and footpath and parking 600 sqm of 60mm thick paver block.
- iii. **External sewer line, Distribution of water supply pipe line**-Same has also been considered in the estimate.
- iv. **Storm water drain**-Drain along the main road.
- v. **Underground Sump**-Capacity of 1,00,000litre.
- vi. **Horticulture works**-Grassing after earth filling with good earth up to 300mm depth in the entire area of leveling.

3)Electrical: The following provisions are considered in this estimate:

- i. **Fire Fighting System**-Down comer system has been considered.
- ii. **Fire Alarm System**-Manual Fire Alarm system has been considered.
- iii. **Internal Electric Installation**, Power Wiring, lightning conductor, Telephone conduiting etc.
- iv. **Street Lighting with LED**-LED lights along path way, Landscape lighting in the entire area of development.
- v. **Emergency light and illuminated signages:** This has been considered in the estimate.
- vi. **Lift:** 3 nos 13 passengers lift has been considered.

4) Construction of Boundary Wall with gate and CC Road all round the periphery of Girls' Hostel Complex, Connecting Road from Girls' Hostel to Boys' Hostel (South Side) and related Site Development works: -

- i) **Boundary wall:** Boundary wall with 1500 mm high wall and 600 mm high MS grill including 2100 mm high steel gates at every 100 metres have been considered in this estimate.
- ii) **Cement Concrete Road:** Cement concrete pavement with vacuum dewatered concrete is considered in this estimate as detailed in the attached Cetails of Measurement Sheet (Annexure-VIII).
- iii) **Footpath:** Footpath with PCC base, 60 mm thick paver blocks and kerb stone edging is considered in this estimate.
- iv) **Drain:** Storm water drains is considered in this estimate (Annexure-VIII).
- v) **Street Lighting with LED**-LED lights along these roads.
- vi) **Horticulture and Art Works:** Lumpsum provision for horticulture and art work are considered in this estimate.

C) Exclusions:

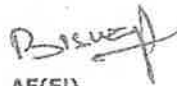
- 1) This estimate does not consider the cost and scope of work related to tree cutting approval or other local body approval and clearance of site that may be required from Local Forest Department/Statutory authorities before start of construction of proposed Road from Girls' Hostel to Boys' Hostel on South Side.
- 2) This estimate does not include any work for hidden items like shifting any existing services or clearing the site from any encumbrance that may be encountered during actual work.

Cost	:	Rs. 55,34,53,000- i/c Cost Index @9% on DPAR 2023 for Rourkela as on 01.10.2024, EPF and ESI charges @ 3.94% and contingencies @ 3%
Rate	:	PAR-2023, DSR-2023 enhanced with cost index
T & P	:	Will be arranged by the contractor.
Method	:	By contract after call of tender.
Land	:	Available.
Specification	:	As per CPWD Specification 2023 Vol-I &II with up-to-date correction slip
Time	:	i) Planning, Designing and Tendering : 04 Months
		ii) Execution : 24 Months
		Total : 28 Months

Notes.

1. The cost and time projected in the Preliminary Estimate is liable for revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specification etc. if so desired by the client at a later date. This estimated cost is valid for a period of one year from the date of submission of this Estimate.
2. Obligation of the Client Department:
 - (i) After receipt of A/A & E/S from the client department, the CPWD will prepare and submit various detailed architectural drawings and service plans to Local Bodies (including Environmental clearance) whose approvals are required before taking up the construction work. These Local bodies are independent organizations and CPWD has no control over them. The time required to get such approvals is not included in the time of construction indicated in the estimate. Although CPWD will make all efforts to get such approvals early, it may be necessary for the client department also to pursue with Local Bodies for early approval.
 - (ii) CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/changed or there is deviation in quantities executed.
 - (iii) Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.

- (iv) The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/ abandon the work. In such eventuality, the client department shall solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
- (v) Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payments made to the contractors for execution of work.
- (vi) In the event of delay in taking over completed Project or completed Components of the Project independently as pr phasing mutually agreed with client without awaiting the completion of the entire project, charges on security, re-finishing and re-commissioning, conservancy charges etc. is to be borne by the client.
- (vii) The client department will help CPWD in –
- Providing site for labour huts for the contractor's labour free of cost,
 - Providing easy access to work site/place of work,
 - Providing free access to contractor's materials and labour to the site of work,
 - Providing electricity connection for execution of work on payment of usual charges, and
 - Sanction and release of load from the concerned Electricity Board/Authority.


AE(EI)
CPWD, Rourkela


EE(E)-Rourkela, CPWD


AE(P), O/o SE-Rourkela, CPWD


AE(C)
CPWD, Rourkela


EE-Rourkela, CPWD


SE-Rourkela, CPWD

Re: Construction of 500 Capacity Girls' Hostel (G+6) at NIT-Rourkela- reg.

3 emails

Answer A-

DEAN (PD) <dean-pd@nitrkl.ac.in>

Tue, 27 May 2025 9:35:22 AM +0530

To "Ahijit Roy"<se-rourkela@cpwd.gov.in>

Cc "eerourkelacpwd"<eerourkelacpwd@gmail.com>,"REGISTRAR REGISTRAR-NIT, RKL"<registrar@nitrkl.ac.in>,"Prof. K. Umamaheshwar Rao"<director@nitrkl.ac.in>

Dear Sir,

We acknowledge the receipt of your preliminary estimate (Estimate No.: 31/PE/SE-Rourkela/CPWD/2024-25) amounting to approximately Rs. 43.82 Crores for the construction of a 500-capacity Girls' Hostel (G+6) at NIT Rourkela, as communicated through your letter पत्रांक: 23 (306) / PE /अ0अभि0- राउरकेला / के.लो. नि.वी./ 2025/ 45 (हि.) दिनांक: 14.01.2025.

Upon reviewing the proposed scope of work, we found that two critical elements related to the safety and security of our girl students were not included in the estimate. We request you to kindly revise the preliminary estimate to incorporate the following essential components:

- (1) Boundary Wall around the girls' hostel for enhanced safety and access control.
- (2) Peripheral Roads with Streetlights around the hostel building to facilitate round-the-clock security surveillance and improve overall accessibility.

Additionally, we request you to assess whether any ancillary development or services (e.g., surface drainage, landscaping, or civil/electrical utility provisions) are warranted in the hostel area and kindly include them, if necessary.

We would appreciate it if you could process this request and furnish the revised estimate at the earliest possible so that we can proceed further with administrative approvals and budgetary planning.

Thank you
With regards,
Dean (P&D)

From: "Ahijit Roy" <se-rourkela@cpwd.gov.in>

To: "REGISTRAR REGISTRAR-NIT, RKL" <registrar@nitrkl.ac.in>

Cc: "dean-pd" <dean-pd@nitrkl.ac.in>, "eerourkelacpwd" <eerourkelacpwd@gmail.com>, "eesambalpur" <eesambalpur@gmail.com>

Sent: Tuesday, January 14, 2025 12:40:07 PM

Subject: Construction of 500 Capacity Girls' Hostel (G+6) at NIT-Rourkela- reg.

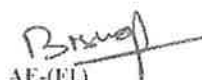
PRELIMINARY ESTIMATE (GENERAL ABSTRACT OF COST)

State : Odisha
Branch : Civil


Division : EE-RKL
Sub-division :

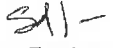
Name of work: Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha).

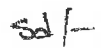
S. No	DESCRIPTION OF WORK	AMOUNT (Rs)		REMARKS
		CIVIL	ELECTRICAL	
1	500 Capacity Girls' Hostel (Building Portion-Civil and electrical)	29,46,61,689.00	6,22,13,585.00	Annexure-I
2	Development of Site & Other Miscellaneous works (Civil)	3,15,31,510.00	-	Annexure-II
3	Specialized E&M Services	-	1,49,88,261.00	Annexure-III
4	Enabling Estimate	4,24,000.00	-	Annexure-IV
5	Fee for Local body approval from Municipality	59,36,436.00	-	Annexure-V
6	Surrounding Boundary wall, peripheral road, art works (Civil)	10,09,26,029.00	-	Annexure-VI
7	Street lights on peripheral roads and related E&M works	-	68,54,825.00	Annexure-VII
	Total (A)=	43,34,79,664.00	8,40,56,671.00	
	Add EPF & ESI charges @ 3.94% on B	1,70,79,099.00	33,11,833.00	
	Add contingencies @ 3% on B	1,30,04,390.00	25,21,700.00	
	TOTAL=	46,35,63,153.00	8,98,90,204.00	
	GRAND TOTAL		55,34,53,357.00	
	SAY RS		55,34,53,000.00	



AE-(EL)
CPWD, Rourkela


AE-II
CPWD, Rourkela


AE (P)
O/o-SE-Rourkela, CPWD, Rourkela


Executive Engineer(E)
CPWD, Rourkela


Executive Engineer-Rourkela
CPWD, Rourkela


Superintending Engineer- Rourkela
CPWD, Rourkela

PRELIMINARY ESTIMATE

Annexure-I

State Odisha

Branch B & R

Name of Work : Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha).


Division EE-RKL
Sub-division

SH-1: 500 Capacity Girls Hostel (Building Portion- Civil & Electrical)

ITEM No.	Item Code PAR-23	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT	
						CIVIL	ELECT.
1	1.0	500 Capacity Girls' Hostel (G+6) (Building Portion) -Plinth area - GF =1385sqm ,FF=1370sqm, 2nd Floor=1370 sqm, 3rd Floor=1370sqm,4th Floor=1370sqm,5th Floor=1370sqm,6th Floor=1370sqm,Mumty =255 sqm Total Plinth Area = 9860 sqm					
1.1	1.1	R.C.C.. FRAMED STRUCTURE(Upto six stories)					
1.1.1	1.1.2	R.C.C.. framed structure with Floor height 3.0 mtr.	9,860.00	23530	Sqm.	23,20,05,800.00	
2	1.3	Extra For					
2.1	1.3.2	Every 0.30m or part thereof , additional height of floor above normal floor height 3.0m, Rate for floor height of 3.30m = 421 /0.3 x (3.30-3.00)= 421 per sqm	9,860.00	421	Sqm.	41,51,060.00	
		Building Cost=			(B)	23,61,56,860.00	
2.3	1.3.4	Every 0.30m or part thereof, deeper foundations over normal depth of 1.20m (On Ground Floor area = 1385 sqm) Rate for foundation depth of 2.00m = 230 /0.3 x (2.00-1.20)=613.00	1,385.00	613	Sqm.	8,49,005.00	
2.4	1.3.6	RCCraft foundation (on ground floor area only)	1,385.00	12170	Sqm.	1,68,55,450.00	
3	1.5	Fire-fighting					
3.1	1.5.1	Downcomer System	9,860.00	sqm	460.00		45,35,600.00
3.2	1.6	Fire Alarm System					
3.2.1	1.6.1	Manual Fire Alarm System	9,860.00	sqm	280.00		27,60,800.00
4	2	SERVICES					
4.1	2.1	Internal water supply & sanitary installations	23,61,56,860.00	8.00%	% of B.Cost	1,88,92,549.00	
4.2	2.2	External service connection					
4.2.1	2.2.1	Electrical External Service Connections	23,61,56,860.00	3.75%	% of B.Cost		88,55,882.00
4.2.2	2.2.2	Civil external service connection	23,61,56,860.00	1.25%	% of B.Cost	29,51,961.00	
4.3	2.3	Internal Electric Installation (IEI)	23,61,56,860.00	12.50%	% of B.Cost		2,95,19,608.00

4.4	2.4.1	Power wiring and plugs	23,61,56,860.00	4.00%	% of B.Cost		94,46,274.00
4.5	2.4.2	Lightning conductors	23,61,56,860.00	0.25%	% of B.Cost		5,90,392.00
4.6	2.4.3	Telephone conduits	23,61,56,860.00	0.25%	% of B.Cost		5,90,392.00
4.7	2.4.4	Third Party Quality Assurance	23,61,56,860.00	1.00%	% of B.Cost		23,61,569.00
5	4	WATER TANKS					
5.1	4.1	Overhead tank without independent staging (Domestic & Fire Fighting)	92,500.00	23	Litre	21,27,500.00	
		Total=				27,78,33,325.00	5,86,60,517.00
		Add Cost Index @ 9.00% for Rourkela over PAR- 23 items as on 01.10.2024.				2,50,04,999.00	52,79,447.00
		Total=				30,28,38,324.00	6,39,39,964.00
		Adding multiplying factor 0.973 on DPAR 2023 items as per DG CPWD OM No. 62(SE)/TAS/PAR/2024/06 dated 03.01.2025				29,46,61,689.25	6,22,13,584.97
		Total=				29,46,61,689.00	6,22,13,585.00


 AE-II
 CPWD, Rourkela


 AE (P)
 O/o-SE-Rourkela, CPWD, Rourkela


 EE-Rourkela
 CPWD, Rourkela

State Odisha
Branch B & R

PRELIMINARY ESTIMATE

Annexure-II

Division EE-RKL
Sub-division

Name of Work : Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha).

SH:- 2 Development of Site & Other Miscellaneous works (Civil)							
ITEM-No.	Item Code PAR-23 / DSR-2023	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs.) CIVIL	
1.0	5.0	SH:- 2 Development of Site & Other Miscellaneous works (Civil)					
1.1	5.1	Levelling (Area Considered 1 times Plinth Area)	9,860.00	340	Sqm.	33,52,400.00	
1.2	5.2	Internal Road & Path					
1.2.1	5.2.3	Cement concrete Pavement with vacuum dewatered concrete (Road of 6m width at front portion & Periphery= 500 x 6m=3000 Sqm.	3,000.00	2320	Sqm.	69,60,000.00	
1.2.2	5.2.4	Foot path with PCC base, 60mm thick paver blocks and kerb stone edging (Foot path along the main road at front portion=200 x 3m=600 Sqm.	600.00	2960	Sqm.	17,76,000.00	
1.3	5.3	External sewerage (Total length=700m)	700.00	3810	per metre	26,67,000.00	
1.4	5.4	Filtered water supply					
1.4.1	5.4.1	Distribution lines upto 100mm dia	700.00	1930	per metre	13,51,000.00	
1.5	5.5	Storm water drain	700.00	10150	per metre	71,05,000.00	
1.6	5.6	Rain water harvesting	300.00	3810	per metre	11,43,000.00	
1.6	4.5	Underground Sump (100000 Litre Capacity)	1,00,000.00	23	Litre	23,00,000.00	
1.10.1	5.9.1	Horticulture operations including 300mm earth filling, grassing , tree plantation/ shrubs and potted plants etc	9,860.00	312	sqm	30,76,320.00	
		Total=				2,97,30,720.00	
		Add Cost Index @ 9.0% for Rourkela over PAR- 23 items as on 01.10.2024				26,75,765.00	
		Total=				3,24,06,485.00	
		Adding multiplying factor 0.973 on DPAR 2023 items as per DG CPWD OM No. 62(SE)/TAS/PAR/2024/06 dated 03.01.2025				3,15,31,509.91	
		Total=				3,15,31,510.00	

AE-II
CPWD, Rourkela

AE (P)
O/o-SE-Rourkela, CPWD, Rourkela

EE-Rourkela
CPWD, Rourkela

Name of work: Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha).

SH:3 Specialized E&M services

Sl. No.	DPAR 2023 No.	Description of Item	Quantity	Unit	Rate	Amount
		LIFTS				
1	3.1.4	Passenger lift of 1.5 m/s, capacity 13 persons with travel height G+5.	3.00	each	21,50,000.00	64,50,000.00
		Extra for each additional floor (for additional floor)	3.00	each	1,22,050.00	3,66,150.00
2	6.16	LAN SYSTEM				
2.1	6.16.1	Supplying, installation, testing and commissioning of LAN system comprising of core Switches & L2 switches with 10 G, 10 giga SFP modules, WIFI access points, WIFI controller, network management software, racks, CAT 6A cable, patch panels, OFC etc. (Rate applicable on plinth area excluding service/common areas.	9860.00	sqm	560.00	55,21,600.00
3	6.19	STREET LIGHTING WITH LED				
3.1	6.19.1	Supplying, installation, testing and commissioning of LED street/compound/high mast/pathway/ landscape lighting for the entire campus (Rate applicable on total plot area). Note: This is applicable for plot sizes more than 1 acre. For smaller plot sizes actual requirements may be worked out.	9860.00	sqm	160.00	15,77,600.00
4	6.28	EMERGENCY LIGHT & ILLUMINATED SIGNAGES				
	6.28.1	Illuminated signages	9860.00	per sqm.	22.00	2,16,920.00
		Total				1,41,32,270.00
		Add Cost Index @ 9.0% for Rourkela over PAR- 23 items as on 01.10.2024				12,71,904.00
		Total				1,54,04,174.00
		Adding multiplying factor 0.973 on DPAR 2023 items as per DG CPWD OM No. 62(SE)/TAS/PAR/2024/06 dated 03.01.2025				1,49,88,261.30
		Say				1,49,88,261.00


 AE(E)
 CPWD, Rourkela


 Executive Engineer(E)-Rourkela
 CPWD, Rourkela

PRELIMINARY ESTIMATE

State Odisha

Branc B&R

Name of work:-Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha).

Division

Sub-division

Annexure-IV

EE-RKL

SH:4 Soil testing and site survey/contour plan of construction of 500 capacity Boys Hostel at NIT,Rourkela (Odisha) (Enabling Estimate)

Sl. No.	Description of Item	Quantity	Unit	Rate in Rs.	Amount in Rs.	Remarks
1	Mobilisation of tools & equipment from laboratory to site for conducting the soil investigation test with demobilisation complete	1	Per job	30,000.00	30,000.00	M/R
2	Shifting of Machine from one BH to another BH	6	Per job	1,500.00	9,000.00	M/R
3.1	Boring of 150mm/100 dia borehole in soil strata and extraction of soil as may be decided by the Engineer-in-Charge from the sub-soil strata (BH 10.0mt. Depth each)	60	Per mt.	2,000.00	1,20,000.00	M/R
3.2	Boring in hard and soft rock using TC/Diamond bit and extracting rock cores of Nx dia					
4	Conducting SPT at location as directed in conformity with relevant IS specification etc. complete in all respect and supplying results thereof (at 1.5m interval)within 10.0m depth	40	Per test	2,500.00	1,00,000.00	M/R
5	Collection of Disturbed Representative samples	10	Each	10,000.00	1,00,000.00	M/R
6	Calculation of SBC and submission of test report as per standard norms and practice giving clear recommendation complete.	1	Per job	50,000.00	50,000.00	M/R
7	Digital Site survey/contour plan	1.00	Hectare	15000.00	15,000.00	M/R
Total Rs.					4,24,000.00	

Assistant Engineer
CPWD, Rourkela

Executive Engineer
CPWD, Rourkela

PRELIMINARY ESTIMATE

State Odisha
Branch Civil


Division
Sub-division

Annexure-V
EE-RKL

Name of work:-Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha).

SH-5 :- Fees for Local body Approval from Municipality

ITEM No.	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT	REMARKS
1	PLINTH AREA=22860 sqm					
1	Form Fee	1.00	500.00	per form	500.00	Rates & amount has been calculated on the basis of Fee actually paid to RMC for the local body clearance of similar works in this campus
2	Scrutiny Fee	9860.00	5.00	sqm	49,300.00	
3	Sanction Fee	9860.00	53.80	sqm	5,30,468.00	
4	Scrutiny Fee	9860.00	100.00	sqm	9,86,000.00	
5	External Infrastructure Development Plan (EIDP) Fee	9860.00	188.30	sqm	18,56,638.00	
6	Labour Cess	9860.00	192.07	sqm	18,93,810.00	
7	Fire Clearance	9860.00	2.00	sqm	19,720.00	
8	Charges /fees of architect registered in RMC/town planning department for facilitating approval of drawings from local bodies	1.00	600000.00	LS	6,00,000.00	
	Total=				59,36,436.00	


Assistant Engineer
CPWD, Rourkela


Executive Engineer
CPWD, Rourkela

State* Odisha
Branch Civil

PRELIMINARY ESTIMATE

Division
Sub-division

Annexure-VI
Rourkela
AE-II

Name of work: Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha)

SH-6 :- Civil works for Construction of Boundary Wall with gate and Cement Concrete Road all round periphery of Girls Hostel and related Site Development works

ITEM No.	Item Code PAR-23	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT	REMARKS
1.1	5.1	Levelling	24000.00	340.00	Sqm.	81,60,000.00	For Quantities ref. Details of Measurements given in Annexure-VIII
1.2	5.2	Internal roads & paths					
1.2.1	5.2.3	Cement concrete pavement with vacuum dewatered concrete	15000.00	2320.00	Sqm.	3,48,00,000.00	
1.2.2	5.2.4	Footpath with PCC base, 60 mm thick paver blocks and kerb stone edging	6000.00	2960.00	Sqm.	1,77,60,000.00	
1.2.3	5.5	Storm water drains	2000.00	10150.00	metre	2,03,00,000.00	
1.2.4	5.8	Boundary wall with 1500 mm high wall and 600 mm high MS grill including 2100 mm high steel gates at every 100 metres					
1.2.4.1	5.8.1	With brick work structure with RCC column of size 300X300 mm @ 3.00 metre centre to centre and RCC plinth beam of size 300X300 mm at ground level and coping	960.00	10870.00	metre	1,04,35,200.00	
1.2.5	5.9	Horticulture Works					
1.2.5.1	5.9.1	Horticulture operations including 300 mm earth filling, grassing, tree plantations/ 312 persqm shrubs and potted plants etc. (L.S Qty- 6000 sqm)	6000.00	312.00	Sqm.	18,72,000.00	
1.2.6	LS	Art work painting on boundary wall & sculpture (lumpsum provision)	L.S.	2000000.00	L.S	20,00,000.00	
		Total=				9,53,27,200.00	
		Add Cost Index@9.0% for Rourkela over PAR 2023 items as on 01.10.2024 (except Item No. 1.2.6)				83,99,448.00	
		Total=				10,37,26,648.00	
		Adding multiplying factor 0.973 on DPAR 2023 items as per DG. CPWD OM No. 62(SE)/TAS/PAR/2024/06 dated 03.01.2025				10,09,26,028.50	
		Total=				10,09,26,029.00	

ASSISTANT ENGINEER(P)
O/o- SE-ROURKELA

ASSISTANT ENGINEER-II
CPWD, ROURKELA

EXECUTIVE ENGINEER- ROURKELA
CPWD, ROURKELA

ELECTRICAL PRELIMINARY ESTIMATE

Annexure-VII

State Odisha
Branch E and M

Division EE(E)-ROURKELA
Sub-division AE(E)-ROURKELA

Name of Work : Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha)

SH-7 :- E&M works for Construction of Boundary Wall with gate and Cement Concrete Road all round periphery of Girls Hostel and related Site Development works

Sl. No.	Item Code PAR-23	Description of Item	Quantity	Unit	Rate	Amount
1	MR	Supplying & Erection of hot dipped galvanized 6 mtr height octagonal pole with 1 mtr long (approx) single sided GI bracket 70mm top in approved design with 220 mm x 220 mm x 12mm GI base plate, 600 mm long 'J' type GI foundation bolts with RCC foundation(size:450 mmx450mmx1200mm depth)(1:2:4 with 10 mm reinforcement) neat plastering outside the foundation with integral control gear having Bakelite sheet complete with DIN rail, 6 Amp SP 'C' type MCB, FRLS PVC insulated copper conductor from MCB box to light fitting, cable entry pipe of 50mm HDPE pipe in foundation etc. as required (Design & drawing must be approved by Engineer-in-Charge)	111.00	Sqm	33540.00	37,22,940.00
2	MR	Providing & fixing of LED type wattage not less than 60 watt street light luminaire operated on 240 volt, single phase made in all aluminium housing with epoxy primer & baked on ultra durable powder coat, heat resistant toughened glass cover, (IP-66) environment protection, complete with driver circuit on the existing pole including making connections using copper lugs etc. complete as required.	111.00	each	9391.00	10,42,401.00
3	MR	Supplying of following size PVC insulated and PVC sheathed / XLPE aluminium conductor armoured power cable of 1.1 kV grade etc. as required				
a		3 x 10 sq. mm	2100.00	mtr	437.00	9,17,700.00
4	DSR	Laying of one number PVC insulated and PVC sheathed / XLPE power cable of 1.1 KV grade of following size in the existing RCC/ HUME/ METAL/HDPE pipe as required.				
a	7.5 l	Upto 35 sq. mm	2000	mtr	37.00	74,000.00
5	DSR	Supplying and laying of following size DWVC HDPE pipe ISI marked with all accessories like socket, bend, coupler etc conforming to IS 14390, part-II complete with fitting and				
a	14.16 l	63 mm dia (OD-63mm & ID 51 mm nominal)	2000	mtr	247.00	4,94,000.00
		Total				62,51,041.00
		Add Cost Index @9.0% for Rourkela over PAR 2023 items as on 01.10.2024				51,120.00
		Adding multiplying factor 0.973 on DPAR 2023 items as per DG. CPWD OM No. 62(SE)/TAS/PAR/2024/06 dated 03.01.2025				5,52,664.00
		GRAND TOTAL				68,54,825.00

ASSISTANT ENGINEER(P)
O/o-SE,ROURKELA

ASSISTANT ENGINEER(E)
CPWD, ROURKELA

EXECUTIVE ENGINEER(E)- ROURKELA
CPWD, ROURKELA

DETAILS OF MEASUREMENT (Civil Work)

Name of work: Construction of 500 Capacity Girls' Hostel (G+6) at NIT, Rourkela (Odisha)

S11: Civil works for Construction of Boundary Wall with gate and Cement Concrete Road all round periphery of Girls Hostel and related Site Development works

Annexure-VIII

Sl. No.	Description of Item	No	Length	Width	Height	Quantity	Unit
1.1	Levelling for road & footpath						
	Around newly constructed girls hostel campus.						
	Left & Right side	2	300.00	12.00		7200.00	Sqm
	Back Side	1	180.00	12.00		2160.00	Sqm
	From Girls hostel to Boys hostel (South Side)	1	1220.00	12.00		14640.00	Sqm
					Total	24000.00	Sqm
					Say	24000.00	Sqm
1.2	Road & Path						
1.2.1	Cement concrete pavement with vacuum dewatered concrete						
	Left & Right side	2	300.00	7.50		4500.00	Sqm
	Back Side	1	180.00	7.50		1350.00	Sqm
	From Girls hostel to Boys hostel (South Side)	1	1220.00	7.50		9150.00	Sqm
					Say	15000.00	Sqm
1.2.2	Footpath with PCC base, 60 mm thick paver blocks and kerb stone edging.						
	Left & Right side	2	2	300.00	1.50	1800.00	Sqm
	Back Side	2	1	180.00	1.50	540.00	Sqm
	From Girls hostel to Boys hostel (South Side)	2	1	1220.00	1.50	3660.00	Sqm
					Total	6000.00	Sqm
					Say	6000.00	Sqm
1.2.3	Storm water drains						
	Left & Right side	2	300.00			600.00	Metre
	Back Side	1	180.00			180.00	Metre
	From Girls hostel to Boys hostel (South Side)	1	1220.00			1220.00	Metre
					Say	2000.00	Metre
1.2.4	Boundary wall with 1500 mm high wall and 600 mm high MS grill including 2100 mm high steel gates at every 100 metres						
1.2.4.1	With brick work structure with RCC column of size 300X300 mm @ 3.00 metre centre to centre and RCC plinth beam of size 300X300 mm @ 3.00 metre centre to centre and RCC plinth beam of size 300X300 mm at ground level and coping.						
	Left & Right side	2	300.00			600.00	Metre
	Back Side	1	180.00			180.00	Metre
	Front side	1	180.00			180.00	Metre
					Say	960.00	Metre
1.2.5	Horticulture Works						
1.2.5.1	Horticulture operations including 300 mm earth filling, grassing, tree plantations/ 312 persqm shrubs and potted plants etc.						
	Total Road	2.00	2000.00	1.50		6000.00	Sqm
					Say	6000.00	Sqm

Junior Engineer-II
CPWD, Rourkela

Assistant Engineer-II
CPWD, Rourkela

Executive Engineer-Rourkela
CPWD, Rourkela



भारत सरकार

Government of India

केंद्रीय लोक निर्माण विभाग

Central Public Works Department



अधीक्षण अभियन्ता-राउरकेला का कार्यालय
केंद्रीय लोक निर्माण विभाग
बी-10, राष्ट्रीय प्रौद्योगिकी की संस्थान
राउरकेला परिसर, राउरकेला, ओडिशा, पिन-
769008

O/o The Superintending Engineer
Rourkela, CPWD
B-10, NIT Rourkela Campus
Rourkela, Odisha, Pin-769 008



ई-मेल/Email: se-rourkela@cpwd.gov.in/serourkelacpwd@gmail.com

पत्रांक: 23(PE)/ओओअभि-राउरकेला/के.लो.नि.वी./2025/ 385-(हि.)

दिनांक: 28.04.2025

सेवा में,

The Dean (PD)
NIT Rourkela
Rourkela, Odisha
Email: - dean-pd@nitrkl.ac.in

विषय:- Submission of Preliminary Estimate for "Construction of Assembly Building Facilities, Smart Classroom facilities & Multipurpose Activity Hall for Kendriya Vidyalaya at NIT Rourkela (Odisha)."

संदर्भ:- Requisition received vide Dean(PD), NIT Rourkela email dated 25.04.2025

महोदय,

Enclosed please find herewith the Modified Preliminary Estimate **(No. 05/PE/SE-Rourkela/CPWD/2025-26)** in duplicate for the above-mentioned work amounting to Rs. **12,24,25,000.00** including Cost Index of Rourkela on PAR-2023 @ 9% as on 01.10.2024, EPF & ESI @ 3.94% and contingencies @ 3% for accord of A/A & E/S from the competent authority.

Necessity of framing the estimate has been explained in the history sheet of the estimate. A copy of the sanctioned Preliminary Estimates may be sent to this office for taking further necessary action.

संलग्न: उपरोक्तानुसार ।

Sincerely,

(अहिजीत राय/Ahijit Roy)

अधीक्षण अभियन्ता-राउरकेला
Superintending Engineer - Rourkela
के.लो.नि.वि., राउरकेला/ CPWD, Rourkela

9/

Copy to:

- 1) The Executive Engineer-Rourkela, CPWD, Rourkela for information.
- 2) The Executive Engineer(E)-Sambalpur, CPWD, Sambalpur for information.

अधीक्षण अभियन्ता-राउरकेला
Superintending Engineer - Rourkela



भारत सरकार

Government of India

केंद्रीय लोक निर्माण विभाग

Central Public Works Department



अधीक्षण अभियन्ता-राउरकेला कार्यालय

केंद्रीय लोक निर्माण विभाग

बी-10,

राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला परिसर,

राउरकेला, ओडिशा, पिन-769008

O/o The Superintending
Engineer
Rourkela, CPWD

B-10, NIT Rourkela Campus
Rourkela, Odisha, Pin-769 008



ई-मेल/Email: se-rourkela@cpwd.gov.in

PRELIMINARY ESTIMATE

Name of Work	: Construction of Assembly Building Facilities, Smart classroom facilities and Multipurpose activity hall etc. for Kendriya Vidyalaya at NIT Rourkela, Odisha.
Estimate No.	: 05/PE/SE-Rourkela/ CPWD/2025-26
PE Amount	: Rs. 12,24,25,000=00 i/c Contingencies
Location	: NIT Rourkela (Odisha)
TIME	: 12 Months after accord of A/A & E/S and deposit of fund whichever is later.
YEAR	: 2025-26

Superintending Engineer- Rourkela
CPWD, Rourkela (Odisha)
(E- mail: se-rourkela@cpwd.gov.in)



भारत सरकार

Government of India

केंद्रीय लोक निर्माण विभाग

Central Public Works Department



अधीक्षण अभियन्ता-राउरकेला कार्यालय

केंद्रीय लोक निर्माण विभाग

बी-10, राष्ट्रीय प्रौद्योगिकी संस्थान राउरकेला परिसर,

राउरकेला, ओडिशा, पिन-769008

O/o The Superintending Engineer
Rourkela, CPWD

B-10, NIT Rourkela Campus

Rourkela, Odisha, Pin-769 008



ई-मेल/Email: se-rourkela@cpwd.gov.in

STATE: ODISHA

BRANCH: B & R

DIVISION: Rourkela

PE No.: 05/ PE/SE- Rourkela/2025-26

Name of Works: -Construction of Assembly building facilities, Smart classroom facilities and Multipurpose activity hall etc. for Kendriya Vidyalaya at NIT Rourkela, Odisha.

Major Head	Minor Head	Detailed Head
8443-Deposit		

This Modified Preliminary Estimate amounting to **Rs.12,24,25,000/-** i/c EPF and ESI charges @ 3.94% and contingencies @ 3% has been prepared by Er. Shri Ram Sahu, Executive Engineer-Rourkela, CPWD, Rourkela and by Er. Mohan Lal Executive Engineer (Elect.)-Sambalpur for Civil and Electrical works respectively and further processed in the Office of Superintending Engineer-Rourkela, CPWD, Rourkela.

HISTORY REPORT

History:

This Modified Preliminary Estimate amounting to **Rs.12,24,25,000/-** including EPF and ESI charges @ 3.94% and contingencies @ 3% has been framed to cover the probable cost of the work for obtaining the Administrative Approval and Expenditure Sanction of the competent Authority.

A preliminary estimate amounting to Rs. 20,59,75,000/- was earlier sent to NITR vide this office letter No. 23(PE)/SE-Rourkela/CPWD/2025/247 (H) dated 22.03.2025.

This modified preliminary Estimate has been prepared on the basis of requisition received by mail from the Dean(PD), NIT, Rourkela on 25.04.25 (copy attached). It was desired by the client Dept to construct assembly building and Multipurpose activity hall other facilities for school i.e open assembly ground for approximately 4000 persons as well as facilities for smart class room and for laboratory and sport equipments which have been taken in this PE. Facilities have been considered based on the guidelines and furniture layout of Kendriya Vidyalaya Sangathan (Hqrs.) and discussion with the client Dept. Further as desired by NIT R, the PE submitted for Multipurpose Hall earlier vide EE-Rourkela letter No. 23(23)/EE/Rourkela/CPWD/2023/204 (H) dated 06.12.2023 has been modified and included in this modified PE. Therefore, the earlier PE of Multipurpose Hall may be ignored.

Design & Scope:

Following provisions have been kept in the estimate:

- 1) Construction of RCC framed structure Multipurpose activity hall with floor height 10.20m of Plinth Area of 540.00 Sqm has been considered. (Drawing attached)
- 2) Construction of RCC framed structure for Assembly stage and assembly utility for plinth area of 360 sqm. (Drawing attached)
- 3) Construction of open Assembly ground of size 51mx45m with chequered tile flooring. (Drawing attached)
- 4) Provision for services like Internal water supply & sanitary installation, external service connection, internal electric installations including power wiring and lightning conductor etc. have been considered in this estimate.
- 5) Supplying and installation of furnitures for classroom, offices and laboratories. Lumsum provisions have been considered for Laboratory and Sports equipments.
- 6) Fire Fighting System-Down comer system has been considered
- 7) Fire Alarm System-Manual Fire Alarm system has been considered.
- 8) Internal Electric Installation, Power Wiring, lightning conductor, Telephone conduiting etc.
- 9) Provision of computers for computer lab.
- 10) Audiovisual classroom equipment and associated facilities for all classrooms (Smart) and MP hall have been considered.

Cost : **Rs.12,24,25,000/-**EPF and ESI charges@ 3.94% and contingencies @ 3%.

Rate : PAR-2023, DSR-2023 enhanced with cost index and market rates

T & P : Will be arranged by the contractor.

Method : By contract after call of tender.

Land : Available.

Specification : As per CPWD Specification 2023 Vol-I &II with up-to-date correction slip

Time	i) Planning, Designing and Tendering	: 03 Months
	ii) Execution	: 09 Months
	Total	: 12 Months

Notes.

1. The cost and time projected in the Preliminary Estimate is liable for revision due to probable escalation in cost of construction apart from reasons such as change in scope, area, design and specification etc. if so desired by the client at a later date. This estimated cost is valid for a period of one year from the date of submission of this PE cum Detailed Estimate.
2. Obligation of the Client Department:
 - (i) After receipt of A/A & E/S from the client department, the CPWD will prepare and submit various detailed architectural drawings and service plans to Local Bodies (including Environmental clearance) whose approvals are required before taking up the

construction work. These Local bodies are independent organizations and CPWD has no control over them. The time required to get such approvals is not included in the time of construction indicated in the estimate. Although CPWD will make all efforts to get such approvals early, it may be necessary for the client department also to pursue with Local Bodies for early approval.

- (ii) CPWD does not bind itself to complete the work within the estimated cost. Necessary revised estimate will be submitted when scope of work is increased/ changed or there is deviation in quantities executed.
- (iii) Any dispute arising out of the operation of the contract(s) for the subject work will be subject to arbitration as provided for in the contract agreement. CPWD will defend the arbitration proceedings as best as it can and get the Arbitrator's award examined by the appropriate authority. The decision of the competent authority in CPWD to accept the award or to challenge the same in a Court of Law will be binding on the client department.
- (iv) The CPWD has no funds of its own for investing in the work. The client department should, therefore, ensure that adequate funds are available with CPWD for executing the work. In case the client department fails to provide funds as per requirements, it may be necessary for CPWD to suspend/ abandon the work. In such eventuality, the client department shall solely responsible for all the consequences arising out of such stoppage/abandonment of work including claims of contractors for compensation/ damages. If additional funds are required, the same will have to be provided by the client department on the Revised Estimates submitted by CPWD.
- (v) Funds for making payment of all amounts which may be decreed by a Court of Law, Tribunal or by award of an Arbitrator in relation to the work will be made available by the client department promptly irrespective of it not being a party before the Court, Tribunal or Arbitrator. Such payments will be in addition to the payments made to the contractors for execution of work.
- (vi) In the event of delay in taking over completed Project or completed Components of the Project independently as per phasing mutually agreed with client without awaiting the completion of the entire project, charges on security, re-finishing and re-commissioning, conservancy charges etc. is to be borne by the client.
- (vii) The client department will help CPWD in –
 - a. Providing site for labour huts for the contractor's labour free of cost,
 - b. Providing easy access to work site/place of work,
 - c. Providing free access to contractor's materials and labour to the site of work,
 - d. Providing electricity connection for execution of work on payment of usual charges, and
 - e. Sanction and release of load from the concerned Electricity Board/Authority.



Assistant Engineer (P)
O/o SE-Rourkela, CPWD, Rourkela



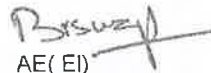
Superintending Engineer-Rourkela
CPWD, Rourkela


PRELIMINARY ESTIMATE (GENERAL ABSTRACT OF COST)


Name of Work : Construction of Assembly building facility, Smart classroom facilities and Multipurpose activity hall etc. for Kendriya Vidyalaya at NIT Rourkela, Odisha.


S. No	DESCRIPTION OF WORK	AMOUNT (Rs)			REMARK
		CIVIL	ELECTRICAL	TOTAL	
1	School assembly facility building	1,05,28,896.00	21,23,463.00	1,26,52,359.00	Annexure-I(A)
		77,03,978.00		77,03,978.00	Annexure-I(B)
2	Smart class room facilities	3,12,46,825.00		3,12,46,825.00	Annexure-II(A)
			4,03,17,115.00	4,03,17,115.00	Annexure-II(B)
3	School Multipurpose activity hall	1,95,75,925.00	29,83,997.00	2,25,59,922.00	Annexure-III
	Total (A)=	6,90,55,624.00	4,54,24,575.00	11,44,80,199.00	
	Add EPF & ESI charges @ 3.94% on A	27,20,792.00	17,89,728.00	45,10,520.00	
	Add contingencies @3% on A	20,71,669.00	13,62,737.00	34,34,406.00	
	GRAND TOTAL=	7,38,48,085.00	4,85,77,040.00	12,24,25,125.00	
	SAY RS		12,24,25,000.00		



AE-I
CPWD, Rourkela


AE(EI)
CPWD, Rourkela


AE (P&A)
O/o-SE-Rourkela, CPWD, Rourkela


Executive Engineer (EI) -Sambalpur
CPWD, Sambalpur


Executive Engineer-Rourkela
CPWD, Rourkela


Superintending Engineer- Rourkela
CPWD, Rourkela

Annexure-I(A)

PRELIMINARY ESTIMATE

SH:- School assembly facility building for Kendriya Vidyalaya, at NIT,Rourkela,Odisha.

ITEM No.	Item Code (PAR-23)	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs.)	
						CIVIL	ELECTRICAL
1.0	1.0	SH-1: Assembly Stage& Assembly Utility - Assembly Stage Area= (24mx 9m) =216 Sqm, Assembly Utility Area= 24mx6m=144 Sqm, Total Plinth Area= 360 Sqm.					
1.1	1.1	R.C.C. FRAMED STRUCTURE-(Upto six storeys)					
1.1.1	1.1.1	R.C.C. framed structure with Floor height 3.6 mtr.	360.00	24730.00	Sqm.	8902800.00	
		Building Cost=			(B)	8902800.00	
2.2	1.6.1	Manual Fire Alarm System	360.00	280.00	per sqm		100800.00
3	2	SERVICES					
3.1	2.1	Internal water supply & sanitary installations	8902800.00	5.00%	% of (B)	445140.00	
3.2	2.2	External service connection					
3.2.1	2.2.1	Electrical External Service Connections	8902800.00	3.75%	% of (B)		333855.00
3.2.2	2.2.2	Civil external service connection	8902800.00	1.25%	% of (B)	111285.00	
3.2.3	2.2.3	Local Body approvals including tree cutting etc.	8902800.00	1.25%	% of (B)	111285.00	
3.3	2.3	Internal Electric Installation (IEI)	8902800.00	12.50%	% of (B)		1112850.00
3.3.1	2.4.1	Power wiring and plugs	8902800.00	4.00%	% of (B)		356112.00
3.3.2	2.4.2	Lightning conductors	8902800.00	0.25%	% of (B)		22257.00
3.3.3	2.4.3	Telephone conduits	8902800.00	0.25%	% of (B)		22257.00
3.3.4	2.4.4	Third Party Quality Assurance	8902800.00	1.00%	% of (B)	89028.00	
		Total=				9659538.00	1948131.00
		Add Cost Index @ 9% for Rourkela over PAR- 23 items				869358	175332
		Total=				1,05,28,896.00	21,23,463.00
		SAY RS					1,26,52,359.00

AE-I
CPWD, RourkelaAE(EI)
CPWD, RourkelaAE (P&A)
O/o-SE-Rourkela, CPWD, RourkelaExecutive Engineer-Rourkela
CPWD, RourkelaExecutive Engineer (EI) -Sambalpur
CPWD, Sambalpur

SCHEDULE OF QUANTITIES

Name of Work:- School assembly facility building for Kendriya Vidyalaya, at NIT, Rourkela, Odisha.

SLNo	DSR-23	Description of Items	Unit	Quantity	Rate (Rs.)	Amount (Rs.)
1	2	EARTH WORK				
1.1	2.6	Earth work in excavation by mechanical means (Hydraulic excavator)/ manual means over areas (exceeding 30 cm in depth, 1.5 m in width as well as 10 sqm on plan) including getting out and disposal of excavated earth lead upto 50 m and for all lift, as directed by Engineer-in-charge.				
1.1.1	2.6.1	All kinds of soil	cum	1377	177.50	244418
1.2	2.10	Excavating trenches by mechanical / manual means of required width for pipes, cables, etc including excavation for sockets, and dressing of sides, ramming of bottoms, for all depth, including getting out the excavated soil, and then returning the soil as required, in layers not exceeding 20 cm in depth, including consolidating each deposited layer by ramming, watering, etc. and disposing of surplus excavated soil as directed, within a lead of 50 m:				
1.2.1	2.10.1	All kinds of soil				
1.2.1.1	2.10.1.2	Pipes, cables etc. exceeding 80 mm dia. but not exceeding 300 mm dia	metre	100	352.15	35215
1.3	2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth, consolidating each deposited layer by ramming and watering, lead up to 50 and for all lif.	cum	1102	196.00	215992





1.4	2.27(MR)	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	cum	413	1002.15	413888
1.5	2.28	Surface dressing of the ground including removing vegetation and in- equalities not exceeding 15 cm deep and disposal of rubbish, lead up to 50 m and lift up to 1.5 m.				
1.5.1	2.28.1	All kinds of soil	sqm	2755	34.15	94083
2	4	CEMENT CONCRETE (CAST IN SITU)				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.8	1:4:8 (1 Cement : 4 coarse sand (zone-III) derived from natural sources: 8 graded stone aggregate 40 mm nominal size derived from natural sources)	cum	280	6518.60	1825208
2.2	4.2	Providing and laying cement concrete in retaining walls, return walls, walls (any thickness) including attached pilasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window sills, fillets, sunken floor etc., up to floor five level, excluding the cost of centering, shuttering and finishing:				
2.2.1	4.2.3	1:2:4 (1 Cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	cum	5	9895.2	49476
2.3	4.3	Centering and shuttering including strutting, propping etc. and removal of form work for:				
2.3.1	4.3.1	Foundations, footings, bases for columns	sqm	30	392.15	11765

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2.3.2	4.3.2	Retaining walls, return walls, walls (any thickness) including attached pilasters, buttresses, plinth and string courses fillets, kerbs and steps etc.	sqm	45	842.5	37913
3	6	MASONRY WORK				
3.1	6.1(MR)	Brick work with flyash F.P.S. (non modular) bricks of class designation 7.5 in foundation and plinth in:				
6.1.1	6.1.2	Cement mortar 1:6(1 cement :6 coarse sand)	cum	60	5892	353520
4	11	FLOORING				0
4.1	11.2	Chequerred precast cement concrete tiles 22 mm thick in footpath & courtyard, jointed with neat cement slurry mixed with pigment to match the shade of tiles, including rubbing and cleaning etc. complete, on 20 mm thick bed of cement mortar 1:4 (1 cement: 4 coarse sand).				
4.1.1	11.20.1	Light shade pigment using white cement	sqm	2755	1402	3862510

5	13	FINISHING				
5.1	13.7	12 mm cement plaster finished with a floating coat of neat cement of mix:				
5.1.1	13.7.2	1:4(1 cement: 4 fine sand)	sqm	385	425.55	163837
		Total				73,07,825.00
		Maket rate			7,67,408.00	
		DSR items			65,40,417.00	
		Modified Estimated Cost after using correction factor on DSR 2023 on account of GST @ 0.973				63,63,826.00
		Cost Index @9%				5,72,744.00
		Total				69,36,570.00
		Grand total including MR items				77,03,978.00



 AE-I
 CPWD,Rourkela



 Executive Engineer-Rourkela
 CPWD,Rourkela

PRELIMINARY ESTIMATE

Name of Work :Construction of Assembly building facility, Smart classroom facilities and Multipurpose activity hall etc. for Kendriya Vidyalaya at NIT Rourkela, Odisha.



SH- Smart class room facilities


Item No	Specification	Sample Image	Qty	Rate	Unit	Amount
1	<p>Supplying and installing at site knock down type class room Dual Desk specially designed for rugged use. The dual desk shall be made of ERW M.S. tubular section fitted with pre-laminated particle board top, seat & back with 2mm thick machine pressed PVC egde banding glued with industrial adhesive and diffused with board monolithically alongwith MS hook/hanger for water bottle and bag. All the exposed corners shall be rounded with a fillet/corner radius upto 50mm. The overall appearance of the finished product shall be strictly as per sample photographs attatched:</p> <p>DUAL DESK TOP –18 mm Both Side Laminated (BSL) PreLam Partical Board 400 mm wide</p> <p>BENCH/SEAT TOP – 18 mm BSL PreLam Partical Board 330 mm wide</p> <p>FRONT SHELF – 18 mm BSL PreLam Partical Board 300 mm (Wide).</p> <p>BENCH BACK – 18 mm BSL PreLam Partical Board 250 mm (W).</p> <p>Modesty Panel –18 mm BSL PreLam Partical Board 300 mm (W).</p> <p>Supporting Understrucure- Left Hand and Right Hand frame consisting of vertical, horizontal and Cross Member made up of 25 mm outer dia x 1.2 mm (wall thickness) ERW tube confirming to IS Grade 4923:1997 and shall be finised with epoxy polyster powder coated finish with DFT 50-60 Micron confirming IS 13871:1993. The support system of Bench and Shelf shall also made up of made up of 25 mm (outer dia) x 1.2 mm outer dia ERW tube confirming to IS Grade 4923:2019 and shall be finised with epoxy polyster powder coated DFT 50-60 Micron confirming IS 13871:1993. Resting support plate made</p>					

	of Table top , provided on the top of vertical members shall be made up of 3mm Thk CRCA Steel sheet Conforming IS: 513:2008. The legs shall be fitted with PVC Leveler. Construction is fully welded with MIG welding and assembled using M6 trilobular screws (As per DIN 7500) with Zn blue plating. Compact top, seat and back panels are assembled using M6 Countersunk Trilobular screws(as per DIN 7500) with Zn Black Plating (As per IS 1573:1986). The Dual Desk shall design shall ensure comfortability in entering, seating and standing during use.					
1(a)	Dual Desk- Overall Size 1050-1100 mm (W) x 930-940mm (D) x 650mm (H) - Desk Depth 390-400mm. Seat Height 375mm		360.00	9,000.00	Each	32,40,000.00
1(b)	Dual Desk- Overall Size 1050-1100 mm (W) x 975-985mm (D) x 750mm (H) - Desk Top 400mm. Seat Height 450mm		400.00	10,000.00	Each	40,00,000.00
2	<p>Supplying & placing in position Chair as per indicative photograph and specification:</p> <p>i) SEAT/BACK ASSEMBLY: The seat and back should be made up of 12 ±1mm. thick hot-pressed plywood and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam should be designed with contoured lumbar support for extra comfort. The seat has extra thick foam on front edge to give comfort to popliteal area. BACK SIZE 47.5 cm. (W) x58.0 cm (H)</p> <p>SEAT SIZE 47.0 cm. (W) x 48.0 cm. (D)</p> <p>ii) HIGH RESILIENCE (HR) POLYURETHANE FOAM: The HR polyurethane foam should be moulded with density 45±2 kg/m3 and hardness load 16±2 kgf for 25% compression.</p> <p>iii) ARMRESTS :The one-piece armrests should be injection moulded from black Co-polymer Polypropylene.</p> <p>iv) TUBULAR FRAME: The powder coated (DFT 50-60 Micron) pressed tubular frame should be cantilever type & made of 25±2 mm. x 2mm (thick) M.S. ERW Tube.</p>		64.00	8,000.00	Each	5,12,000.00

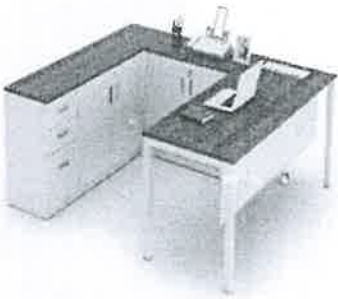
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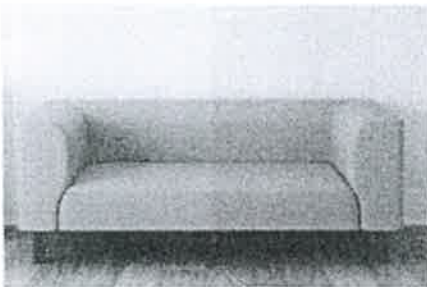
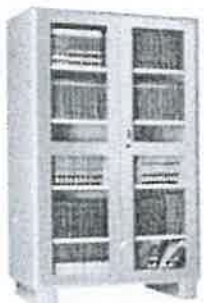
3	Supplying and installing at site knock down type Office Table made of Pre-laminated MDF board with decorative lamination on one side and balancing lamination on other side top of size 1199 X 590 X 735 mm. Worktop shall be rounded in all four corners and should have an overhung of 50mm alongwith one drawer unit made of 0.5mm thick CRCA Steel sheet. The table top shall be supported over legs consists of MS ERW round tube of 25mm dia x 1.2mm (wall thickness) and Cross Horizontal Members including Leg rest of 25mm dia x 1.2mm (wall thickness) M.S. ERW tube. All steel components be shall be finised with epoxy polyster powder coated DFT 50-60micron.					
			45.00	15,200.00	Each	6,84,000.00
4	Supply & Placing of Metal Almirah of Size 916mm (W) x 486mm (D) x 1980mm (H). It should have the shelf thickness of 0.7 mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA steel sheet 'D' grade high yield strength as per IS:513. The Storwel Plain should have a suitable handle and Three-way locking mechanism with Shooting Bolts. It should have a height wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It shall have 4 no.s full shelves. A4 size box file(85 W x 285 D x 345 H mm) can be stored vertically on three shelves and the clear space above fourth shelf is 240mm. It should also have a M10 Screw type Leveller with Hex plastic base. All metal components would be powder coated with epoxy powder coating of 50-60 micron DFT Confirming IS 13871:1993					
			53.00	18,250.00	Each	9,67,250.00

5	<p>Supplying & placing in position High back Executive Chair as per indicative photograph and specification:</p> <p>i) SEAT/BACK ASSEMBLY: The seat and back should be made up of 12 ±1mm. thick hot-pressed plywood and upholstered with fabric upholstery covers and moulded Polyurethane foam. The back foam should be designed with contoured lumbar support for extra comfort. The seat has extra thick foam on front edge to give comfort to popliteal area.</p> <p>BACK SIZE 47.5 cm. (W) x 69.5 cm (H)</p> <p>SEAT SIZE 47.0 cm. (W) x 48.0 cm. (D)</p> <p>ii) HIGH RESILIENCE (HR) POLYURETHANE FOAM: The HR polyurethane foam should be moulded with density = 45 ± 2 kg/m³ and hardness load 16 ± 2 kgf for 25% compression.</p> <p>iii) ARMRESTS :The one-piece armrests should be injection moulded from black Co-polymer Polypropylene.</p> <p>iv) CENTER TILT SYNCHRO mechanism: The mechanism should be designed with the following features:</p> <ul style="list-style-type: none"> • 360° revolving type. • Upright-position locking • Tilt tension adjustment • Seat/back tilting ratio of 1:3. <p>v) PNEUMATIC HEIGHT ADJUSTMENT: The pneumatic height adjustment has an adjustment stroke of 12.0 ±0.3cm.vi)TELESCOPIC BELLOW ASSEMBLY The bellow should be 3 piece telescopic type and injection moulded in black Polypropylene.</p> <p>vii) PEDESTAL ASSEMBLY:The pedestal should be injection moulded in black 33% glass filled Nylon-66 and fitted with 5 nos. twin wheel castors. The pedestal should be 66.3 ±0.5cm. pitch-center dia. (76.3 ±1.0cm with castors).</p> <p>vi) TWIN WHEEL CASTORS: The twin wheel castors should be</p>		60.00	10,000.00	Each	6,00,000.00
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6	<p>Supplying and installing at site knock down type Office Table as per approved design and direction of Engineer-in-charge.</p> <p>Work Top - Work top shall be made 25mm thick Pre-laminated MDF-board with decorative lamination on one side and balancing lamination on other side confirming to IS 12406:2003 with post forming on front, back and machine pressed PVC edge banding 2mm thick glued with industrial adhesive and diffused with board monolithically on other two sides. Table top shall have 75mm overhung on front and 25mm overhung on sides.</p> <p>Understructure- C-type leg shall be made of tubular section of 50mm x 50mm x 1.6mm (wall thickness) thick vertical member and 40mm x 40mm x 1.6mm (wall thickness) Horizontal M.S. pipe confirming IS-Grade 4932 shall be finished with epoxy polyester powder coated DFT 50-60 Micron. The legs shall be fitted to the ground with M8 screw leveler with the height adjustment up to 15mm. The cross members shall be mounted by end brackets made of 3mm thick CRCA steel sheet confirming IS 513: 2008 and finished with epoxy polyester powder coated DFT 50-60 Micron confirming IS 13871:1993.</p> <p>Wire management - Electrical wires shall be carried from horizontal/ vertical duct made of 0.7mm CRCA steel sheet confirming to IS 513:2008. The switch plate or grommet depending upon requirement shall also be provided for</p>		5.00	78,020.00	Each	3,90,100.00
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7	<p>Supply and Installation of 6-seater sofa consisting of two number 2-Seater Sofa (1550mm (W) x 785mm (D) X 750mm (H), understructure is made up of Natural Hard wood battens and 12mm THK COMMERCIAL PLYWOOD. High density foam is used for seat and back , The seat is made up of PU foam with density 32±2 Kg/m3 having an additional top layer of PU foam with density 28+/-2 Kg/m3, upholstered with leatherette. The back is made up of PU foam with density 28±2 Kg/m3 with additional top layer of PU foam with density 23+/-2 Kg/m3, upholstered with leatherette. LEATHERITE -ABRASION RESISTANCE in excess of 80,000 cycles, 600 to 650 GSM. Legs shall be made Mild Steel (MS) powder coated with minimum 50-60 micron DFT confriming IS 13871:1993. Sopha set including centre table.</p>		12.00	48,900.00	Per Set	5,86,800.00
8	<p>Supply & Placing of Glass-door Storage of Size 916 mm (W) x 486mm (D) x 1980mm (H). It should have shelf thickness of 0.7mm, Back thickness of 0.8mm, Door thickness of 0.8mm (high yield strength) with clear glass of 3.0mm thick and all other components shall have a thickness of 0.9mm. These components shall be made of CRCA steel sheet 'D' grade high yield strength as per IS 513:2008 The glass door storwel shall have a SS handle and a Two-way locking mechanism with shooting bolt. It should have a height-wise adjustable shelf mounting which shall have a Uniformly Distributed Load Capacity of max 40 Kg. It should also have a M10 Screw type Leveller with Hex plastic base.All metal components would be epoxy polyester powder coated DFT 50-60 Micron confriming to IS 13871:1993</p>		37.00	22,500.00	Each	8,32,500.00



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9	Supplying and installation of Office table with overall Size of desk 1350mm (L) x 750mm (W) x 750mm (H)& Side Storage Unit of size 900mm (L) x 450mm (W) x 750mm (H), manufactured of approved materials as per direction of Engineer-in-charge.		5.00	21,320.00	Each	1,06,600.00
10	Supplying and Placing in position Mingle Conference Table 20 Seater as per approved list Material; Work Surface made of 25mm thick Pre laminated twin board of E1-P2 grade and approved shade conforming to IS-12823:1990,Edge banded with matching 2mm thick PVC lipping Plastic ABS access flap is provided for easy access to wires and cables.Work top is available in various shapes as shown above modesty Panel made of 18mm Thick Pre-laminated		1.00	5,50,000.00	Per unit	5,50,000.00
	The Seller/ Company should be NABCB CERTIFIED ISO-9001:2008, ISO-9001:2015, ISO14001:2015, OHSAS-18001:2007.OTHER CERTIFICATIONS : Green pro, Indian Design Mark,AIOTA, FSC& SEDEX.The Bidder should also be a member of BIFMA and one or more products of the OEM should be certified as BIFMA compliant and an official link/screenshot of the product listing must be provided from www.bifma.org as per direction of Engineer-in-					

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11	<p>Supply and Installation of Library Table in sizes of 2400mm (L) x 900mm (W) x 750mm (H) consisting of following specification:-</p> <p>Work Top - Work top shall be made of 25mm thick Pre-laminated Particle Board with decorative lamination on one side and balancing lamination on other side conforming to IS 12823: 1990, alongwith 2 mm thick Machine pressed PVC edge banding glued with industrial adhesive and monolithically diffused with board on exposed edges.</p> <p>Understructure Supporting frame shall consists of Three Metal C-Legs (two at either ends and one in middle of table) and joined by two numbers Horizontal connector made of tubular section 40mm x 40mm x 1.6mm (wall thickness) conforming to IS 4923:1997. The entire metal frame shall be finished with epoxy polyester powder coated DFT 50-60 Micron. C-typed metal legs shall be kept 150 mm inside from end of table. Legs shall be fitted to the ground with M8 screw leveler with the height adjustment up to 12mm to 15mm.</p>					
			30.00	12,350.00	Per Unit	3,70,500.00
12	<p>Supplying & placing in position chair with MOULDED PLY SHELL: The seat & back is made up of moulded ply in Veneer or Laminate finish in single piece of Shell size - 420 mm (W) X 410 mm (D) X 440 (H) X Thickness 12 mm.</p> <p>UNDER STRUCTURE:</p> <p>The Understructure is made up of dia. 25.4 ±0.3mm. x 1.6mm thick M.S. E.R.W. tube supporting frame in C-shape and welded to 250mm x 250mm x 2mm thick MS plate welded at seat level to support seat with necessary fixing arrangement. The framework shall be epoxy coated having DFT 50-60 Micron.</p> <p>The leg at bottom shall be fitted to rubber bush.</p>					
			528.00	3,200.00	Each	16,89,600.00

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13	<p>Supply and installation of Steel bed of overall size 1775-1825mm (L) x 875mm (W) x 650/450mm (H) consisting of following specification:-</p> <p>HEADBOARD: Head Board consists of MS tube of 25 x 50 x 1.6 mm thick vertical legs connected with 2 number horizontal members of MS ERW tube 25mm x 50mm x 1.6mm (wall thickness) and one number MS ERW tube of 25mm x 25mm x 1.6mm (wall thickness) at middle confirming to IS 4923:1997. The construction is partially welded with MIG welding confirming to IS standard IS 816:1969 and is also tested as per the IS grade IS 822:1970. Legs shall be fitted to the ground with M8 screw leveler with the height adjustment up to 12mm to 15mm, if required. Head Board and Tail board are connected to middle frame with 2 mm thick CRCA bracket confirming to IS 513: 2008. Connecting bracket is welded on vertical pipe. End to end dimensions for the Headboard is 875mm (W) x 650mm (H). Whole Assembly is finished with epoxy powder coated of a minimum thickness of DFT 50-60 Micron confirming to IS 13871:1993.</p> <p>TAILBOARD-Tail Board consists of vertical legs of MS ERW tube of 25x50x1.6mm thick connected with one number horizontal MS pipe 50x25x1.6mm thick Conforming IS 4923:1997. Construction is partially welded with MIG welding confirming to IS standard IS 816:1969 and welding is also tested as per the IS grade IS 822:1970. Legs shall be fitted to the ground with M8 screw leveler with the height</p>		3.00	12,000.00	Each	36,000.00
14	<p>Supplying and positioning of three Seater Waiting Area Chair, Solid Chair for Airport Hospital Clinic Reception School Garden(Set of 3, Mild Steel, Iron, Silver), materials and model as per direction of Engineer-in-charge.</p>		4.00	25,000.00	each	1,00,000.00


15	<p>Supplying & placing in position Steel chair as per specification detailed below:-</p> <p>1)SEAT/BACK ASSEMBLY: The seat and back should be made from 10±0.01mm. thk. hot pressed ply and should be true resistant tant commercial plywood and upholstered with P.U. foam and fabric.</p> <p>BACK SIZE: 420 mm. (W) X 265mm (H) SEAT SIZE: 420mm. (W) X 420mm. (D)</p> <p>2)HIGH RESILIENCE (HR) POLYURETHANE FOAM: The HR Polyurethane foam should be moulded with density =45+1-2 kg/m³ and Hardness load 16 ± 2 kgf for 25% compression.</p> <p>3)UNDERSTRUCTURE ASSEMBLY : The assembly should be a mainframe made of 25.4 ±0.3mm. x 1.6mm thick M.S. E.R.W. tube and a welded leg tube made of dia. 25.4 ±0.3mm. x 1.6mm thick M.S. E.R.W. tube .to the form the complete assembly which should be black powder coated (DFT 50-60 Micron). Note-Colour of fabricc may be decised by engineer-incharge considering overall colour scheme.</p>		3.00	4,350.00	Each	13,050.00
16	Supplying and installation of School Computer Lab table of approved Wooden Furniture as per direction of Engineer-in-charge		60.00	5,000.00	Each	3,00,000.00
17	Supplying and installation chairs for School Computer Lab manufactured from approved materials as per direction of Engineer-in-charge.		88.00	4,500.00	each	3,96,000.00

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18	Supplying and installation of Customisable Chemistry Lab Table, Seating Capacity: 2-16 Students, manufactured from approved materials as granite top and galvanised steel frame work with laminated wooden partition and SS Sink, shelves etc. all materials to be used as per direction of Engineer-in-charge.		4.00	1,80,000.00	Each	7,20,000.00
19	Supplying and installation of Chair for laboratories manufactured from approved materials as per direction of Engineer-in-charge.		160.00	2,200.00	Each	3,52,000.00
20	Supplying, Installation and placing at desired location in position High back chair, Revolving type, with head rest for Conference & Meeting . Chair should be High back, cushioned seat assembly, moulded plywood upholstered with moulded polyurethane foam & finished with Leatherite. Back size:(W) 450-500mm (H) 600-620mm, Seat size : (L) 450mm-500mm (W) 450-500mm with Polyurethane Foam. Polyurethane Foam: The polyurethane foam (Recyclable) of minimum density= 30kg/cum + 2 kg/cum fixed to moulded plywood and upholstered with Leathrite. Fixed armrest of premium quality of SS Chromed finish with PU cushion pads. Synchro mechanism: 360 degree revolving type, from pivot for tilt with multiple locking position & feet resting on ground for extra comfort. The pneumatic adjustment has -n adjustment stroke of mm, Pedestal Assembly: should have star aluminium die cast with hard castors suitable for tiles flooring with adjustment, twin wheel castors & the pitch centre Dia is 650+/-50mm, (750+/-10mm with castors). Twin wheel castors : these are made of injection moulded in black PP having 50-60mm dia, complete in all respect. The above chair should be finished/completed as per above mentioned specifications including providing and fixing of other related materials including hardwares, etc. complete or as directed by the Engineer-in-Charge and conforming to the image having back curvature in longitudinal and in transverse direction as per the image. All complete as per		10.00	18,000.00	Each	1,80,000.00

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21	Supplying and installation of customised laboratory table for Physics, Mathathematics and Biology lab, manufactured from approved materials as per direction of Engineer-in-charge.		30	80,000.00	Each	24,00,000.00
22	Supplying Sports and playground equipments as per direction of Engineer-in-charge.		LS			40,00,000.00
					X	2,30,26,400.00
	GST @18% on X			A		41,44,752.00
	Amount including GST @ 18%			B = (X+A)		2,71,71,152.00
	Contractor Margin 15% on B			C		40,75,672.80
	Total Amount including CPOH 15%, 18% GST			(B+C)		3,12,46,824.80
				Say		3,12,46,825.00


Assistant Engineer
CPWD, Rourkela



Executive Engineer-Rourkela
CPWD, Rourkela

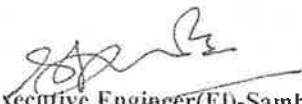
E&M SERVICES PRELIMINARY ESTIMATE

Name of Work:- Construction of Assembly building facility, Smart classroom facilities and Multipurpose activity
SH- Smart class room facilities

Sl. No.	DPAR -21 No./MR	Description of Item	Quantity	Unit	Rate	Amount
		SPECIALISED E&M SERVICES				
1		SMART CLASS ROOM				
1.1	MR	Supplying, installation, testing and commissioning of 86" Ultra HD IR type Touch Interactive Digital Smart Board with minimum 390 nit brightness, multi touch functionality, builtin speaker, wifi, USB, bluetooth connection and compatible to open files formats and easy save, import and export files along with bluetooth keyboard, mouse and all accessories as required. (Class Room)	44.00	Each	495709.00	21811196.00
1.2	MR	Supplying, installation, testing and commissioning of minimum 120W Amplifier operating at 220-240V, 50Hz AC & 24 V DC with USB, bluetooth and aux input with cinch and stereo to mono features. The amplifier shall have minimum 4 microphone line inputs, 4 loudspeaker output with 100V constant voltage connection and suitable to run audio tracks from pendrive, along with one set mic as required.(Class Room & Assembly Hall)	45.00	Each	36011.00	1620495.00
1.3	MR	Supplying, installation, testing and commissioning of 6Watt Wall mounted speaker with sound pressure of 99dB, effective frequency range of 145Hz to 18kHz oprating at 100V input voltage and along along with supports as required.	90.00	Each	8244.00	741960.00
1.4	MR	Supplying, installation, testing and commissioning of 12th Generation Intel Core i5 processor Desk top with Windows 11 Home, Intel UHD graphics, 8GB DDR4 RAM, 512 GB SSD Solid State Drive along with USB Keyboard amd mouse and VGA and HDMI cables for connection to monitor. (Computer Lab)	65.00	Each	79176.00	5146440.00
p	MR	Supplying, installation, testing and commissioning of 13th Generation Intel Core i7 processor all in one Desktop 27 inch FHD antiglare IPS display with builtin speaker, camera supported with Windows 11 Home, Intel UHD graphics, 16GB DDR4 RAM, 1TB SSD Solid State Drive along with wireless Keyboard amd mouse all other accessories as required. (Offices)	10.00	Each	107388.00	1073880.00

2		MLTI PURPOSE HALL				
2.1	MR	Supplying, installation, testing and commissioning of 4K HDR Laser Projector with Light output of minimum 18000 lumens along with all accessories like wall curtain including all accessories required.	1.00	LS	2500000.00	2500000.00
2.2	MR	Supplying, installation, testing and commissioning of Stage lights with RGB lights controlled with DMX control system along with powering, beaming, rigging and all accessories as required.	1.00	LS	4000000.00	4000000.00
2.3	MR	Supplying, installation, testing and commissioning of power amplifier and speakers for audio system along with accessories and supports as required.	1.00	LS	1000000.00	1000000.00
3	6.10	CCTV SYSTEM				
	6.10.1	Supplying, installation, testing and commissioning of IP Based CCTV system for building security comprising of PTZ /Fixed camera, cabling, recording , HD display system with minimum display of 5" x 8" per camera and hard ware software support for indoor only (Rate applicable on total plinth area but CCTV coverage shall be limited to 15% of total plinth area as per requirement.)	2807.00	per sqm. of covered area	210.00	589470.00
4	6.16	LAN SYSTEM				
	6.16.1	Supplying, installation, testing and commissioning of LAN System comprising of Core switches & L2 switches with 10 G, 10 Giga SFP modules, WIFI Access points, WIFI controller, Network Management Software, Racks, CAT 6A cable, Patch Panels, OFC etc. (total plinth area excluding service/ common area)	2807.00	per sqm. of covered area	560.00	1571920.00
5	6.28	EMERGENCY LIGHT & ILLUMINATED SIGNAGES				
	6.28.1	Illuminated signages	2807.00	per sqm.	22 00	61754.00
6	MR	Portable Fire Extingusher	1.00	Job	100000.00	100000.00
7	MR	LED Glow sign board	1.00	Job	100000.00	100000.00
		Total				40317115.00
					SAY Rs	40317115.00



 AE(EI)
 NIT R, CPWD



 Executive Engineer(EI)-Sambalpur
 CPWD, Sambalpur

PRELIMINARY ESTIMATE

Name of Work : Construction of Assembly building facility, Smart classroom facilities and Multipurpose activity hall etc. for Kendriya Vidyalaya at NIT Rourkela, Odisha.

ITEM No.	Item Code (PAR-23)	SUB-HEADS AND ITEM OF WORK	QUANTITY	RATE (Rs)	UNIT	AMOUNT (Rs.)	
						CIVIL	ELECTRICAL
1.0	1.0	SH-5: Multipurpose hall -GF area= 440 Sqm. (Building) ,Varanda=100sqm; Total Plinth Area=540 Sqm.					
1.1	1.1	R.C.C. FRAMED STRUCTURE-(G+2)					
1.1.1	1.1.1	R.C.C., framed structure with Floor height 3.6 mtr.	540.00	24730.00	Sqm.	13354200.00	
		Building Cost=				13354200.00	
2	1.3	Extra For					
2.1	1.3.2	Extra for 0.3mt. Additional height of floor above normal floor height of 3.60mt .(Floor Height =7.6 m) Rate (7 6-3.60=4.00/0.3= 13 33 X 421=Rs.5613 33/-).	540.00	5613.33	Sqm.	3031198.00	
2.2	1.3.4	Every 0.30m or part thereof, deeper foundations over normal depth of 1.20m (On Ground Floor area only). Rate for foundation depth of 2.1m = 230 /0.3 x (2.1-1.20)=690.00	540.00	690.00	Sqm.	372600.00	
3	2	SERVICES					
3.1	2.1	Internal water supply & sanitary installations	13354200.00	5.00%	% of B.Cost	667710.00	
3.2	2.2	External service connection					
3.2.1	2.2.1	Electrical External Service Connections	13354200.00	3.75%	% of B.Cost		500783.00
3.2.2	2.2.2	Civil external service connection	13354200.00	1.25%	% of B.Cost	166928.00	
3.2.3	2.2.3	Local body approval including tree cutting etc.	13354200.00	1.25%	% of B.Cost	166928.00	
3.3	2.3	Internal Electric Installation (IEI)	13354200.00	12.5%	% of B.Cost		1669275.00
3.3.1	2.4.1	Power wiring and plugs	13354200.00	4%	% of B Cost		534168.00
3.3.2	2.4.2	Lightning conductors	13354200.00	0.25%	% of B.Cost		33386.00
4	4	WATER TANKS					
4.1	4.1	Overhead tank without independent staging	10000.00	20.00	Litre	200000.00	
		Total=				17959564.00	2737612.00
		Add Cost Index @ 9% for Rourkela over PAR- 23 items				1616361.00	246385.00
		Total=				19575925.00	2983997.00
		SAY RS					2,25,59,922.00


Assistant Engineer-I
CPWD, Rourkela


Executive Engineer-Rourkela
CPWD, Rourkela



Assistant Engineer Rourkela <aecivilrkl2023.cpwd@gmail.com>

Fwd: Request for Modification of Preliminary Estimate

1 message

EE Rourkela <eerourkelacpwd@gmail.com>

Fri, Apr 25, 2025 at 11:09 AM

To: aecivilrkl2023 cpwd <aecivilrkl2023.cpwd@gmail.com>

Forwarded for necessary action.

EE-Rourkela

----- Forwarded message -----

From: **DEAN (PD)** <dean-pd@nitrkl.ac.in>

Date: Fri, Apr 25, 2025 at 11:07 AM

Subject: Request for Modification of Preliminary Estimate

To: Ahijit Roy <se-rourkela@cpwd.gov.in>

Cc: eerourkelacpwd <eerourkelacpwd@gmail.com>, Himansu Satapathy <hsatapathy@nitrkl.ac.in>

Dear Sir,

We have received the Preliminary Estimate from CPWD for the additional works proposed at the ongoing Kendriya Vidyalaya project (Estimate No.: 37/PE /SE-Rourkela/CPWD/2024-25). However, certain modifications are required in the estimate to align with the specific requirements of the prospective funding agency.

The detailed modifications have already been discussed in person with the Executive Engineer (Civil), CPWD. I kindly request your formal approval for incorporating these modifications into the Preliminary Estimate accordingly.

Thank you for your continued support.

Sincerely,

Dean (P&D)

PRELIMINARY ESTIMATE

Name of work:- Renovation of balance Toilets (50nos) of Faculty Residence at NIT Rourkela, Odisha.

SLNo	DSR No. 2023	Description	Qty	Unit	Rate	Amount
1	2	EARTH WORK				
1.1	MR	Supplying and filling in plinth with sand under floors, including watering, ramming, consolidating and dressing complete.	115	cum	1327.10	152617.00
2	4	CEMENT CONCRETE (CAST IN SITU)				
2.1	4.1	Providing and laying in position cement concrete of specified grade excluding the cost of centering and shuttering - All work up to plinth level :				
2.1.1	4.1.3	1:2:4 (1 cement : 2 coarse sand (zone-III) derived from natural sources : 4 graded stone aggregate 20 mm nominal size derived from natural sources)	92	cum	7878.50	724822.00
3	8	CLADDING WORK				
3.1	8.31	Providing and fixing 1st quality ceramic glazed wall tiles conforming to IS: 15622 (thickness to be specified by the manufacturer), of approved make, in all colours, shades except burgundy, bottle green, black of any size as approved by Engineer-in-Charge, in skirting, risers of steps and dados, over 12 mm thick bed of cement mortar 1:3(1 cement : 3 coarse sand) and jointing with grey cement slurry @ 3.3kg per sqm, including pointing in white cement mixed with pigment of matching shade complete.	893	sqm	1267.95	1132279.00
4	9	WOOD AND P. V. C. WORK				
4.1	9.12	Extra for providing frosted glass panes 4 mm thick (weight not less than 10 kg per sqm) instead of ordinary float glass panes 4 mm thick (weight not less than 10 kg per sqm) in doors, windows and clerestory window shutters. (Area of opening for glass panes excluding portion inside rebate shall be measured).	5	sqm	176.40	882.00
4.2	9.71	Providing and fixing IS: 12817 marked stainless steel butt hinges (heavy weight) with stainless steel screws etc. complete :				
4.2.1	9.71.2	100x60x2.50 mm	150	each	106.35	15953.00
4.3	MR	Providing and fixing stainless steel tower bolts (barrel type) with necessary screws etc.of approved make like HELIX ,ZECON , PRAG etc and is equivalent to Pentagone model of Helix complete as per direction of Engineer in charge.				
4.3.1		150x10 mm	50	each	242.20	12110.00
4.4	MR	Providing and fixing Stainless Steel Plate Handle Round Heavy of Helix make including all complete as per the direction of Engineer-in-charge.				
4.4.1		150 mm	100	each	160.60	16060.00
4.5	MR	Providing and fixing stainless steel door latch 12 mm dia 250 mm length of approved make like HELIX ,ZECON , PRAG etc with necessary screws bolts, nut and washers etc.all complete as per direction of Engineer in charge.	50	each	452.40	22620.00
5	10	STEEL WORK				
5.1	10.27	Providing and fixing carbon steel galvanised (minimum coating 5 micron) dash fastener of 10 mm dia double threaded 6.8 grade (yield strength 480 N/mm2), counter sunk head, comprising of 10 mm dia polyamide PA 6 grade sleeve, including drilling of hole in frame , concrete/ masonry, etc. as per direction of Engineer-in-charge.				
5.1.1	10.27.2	10 x 80 mm	300	each	137.65	41295.00
6	11	FLOORING				

6.1	11.38	Providing and laying Ceramic glazed floor tiles of size 300x300 mm (thickness to be specified by the manufacturer), of 1st quality conforming to IS : 15622, of approved make, in all colours, shades, except White, Ivory, Grey, Fume Red Brown, laid on 20 mm thick bed of cement mortar 1:4 (1 Cement : 4 Coarse sand), jointing with grey cement slurry @ 3.3 kg/ sq.m including pointing the joints with white cement and matching pigments-etc., complete.	245	sqm	1315.30	322249.00
6.2	11.48	Grouting the joints of flooring tiles having joints of 3 mm width, using epoxy grout mix of 0.70 kg of organic coated filler of desired shade (0.10 kg of hardener and 0.20 kg of resin per kg), including filling / grouting and finishing complete as per direction of Engineer-in-charge.				
6.2.1	11.48.1	Size of Tile 300x300 mm	245	sqm	373.35	91471.00
7	13	FINISHING				
7.1	13.5	15 mm cement plaster on rough side of single or half brick wall of mix:				
7.1.1	13.5.2	1:6(1 cement: 6 coarse sand)	384	sqm	395.35	151814.00
7.2	13.47	Finishing walls with Premium Acrylic Smooth exterior paint with Silicone additives of required shade:				
7.2.1	13.47.1	New work (Two or more coats applied @ 1.43 ltr/10 sqm over and including priming coat of exterior primer applied @ 0.90 litre/10 sqm)	384	sqm	171.10	65702.00
7.3	13.8	Providing and applying white cement based putty of average thickness 1 mm, of approved brand and manufacturer, over the plastered wall surface to prepare the surface even and smooth complete.	515	sqm	156.05	80366.00
7.4	13.83	Wall painting with premium acrylic emulsion paint of interior grade, having VOC (Volatile Organic Compound) content less than 50 grams/ litre of approved brand and manufacture, including applying additional coats wherever required to achieve even shade and colour.				
7.4.1	13.83.2	Two coats	515	sqm	142.80	73542.00
7.5	13.85	Applying priming coats with primer of approved brand and manufacture, having low VOC (Volatile Organic Compound) content.				
7.5.1	13.85.3	With water thinnable cement primer on wall surface having VOC content less than 50 grams/litre	515	sqm	73.95	38084.00
8	14	REPAIRS TO BUILDING				
8.1	14.5	Renewing glass panes, with putty and nails wherever necessary including racking out the old putty:				
8.1.1	14.5.1	Float glass panes of nominal thickness 4 mm (weight not less than 10kg/sqm)	5	sqm	1090.65	5453.00
8.2	14.72	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven story height made with 40 mm dia M.S. tube 1.5 m centre to centre, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube chollies, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc. and maintaining it in a serviceable condition for the required duration as approved and removing it there after. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for inspection of work at required locations with essential safety features for the workmen etc. complete as per directions and approval of Engineer-in-charge. The elevational area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding. Note: - This item to be used for maintenance work judicially, necessary deduction for scaffolding in the existing item to be done.	328	sqm	338.25	110946.00
8.3	14.82	Dismantling W.C. Pan of all sizes including disposal of dismantled materials including malba all complete as per directions of Engineer-in-Charge.	50	each	134.10	6705.00

9	15	Dismantling and Demolishing				
9.1	15.2	Demolishing cement concrete manually/ by mechanical means including disposal of material within 50 metres lead as per direction of Engineer - in - charge.				
9.1.1	15.2.2	Nominal concrete 1:4:8 or leaner mix (including equivalent design mix)	28	cum	1503.60	42101.00
9.2	15.3	Demolishing R.C.C. work manually/ by mechanical means including stacking of steel bars and disposal of unserviceable material within 50 metres lead as per direction of Engineer - in- charge.	5	cum	3551.25	17756.00
9.3	15.7	Demolishing brick work manually/ by mechanical means including stacking of serviceable material and disposal of unserviceable material within 50 metres lead as per direction of Engineer-in-charge.				
9.3.1	15.7.4	In cement mortar	33	cum	2060.20	67987.00
9.4	15.12	Dismantling doors, windows and clerestory windows (steel or wood) shutter including chowkhats, architrave, holdfasts etc. complete and stacking within 50 metres lead :				
9.4.1	15.12.1	Of area 3 sq. metres and below	50	each	367.20	18360.00
9.5	15.23	Dismantling tile work in floors and roofs laid in cement mortar including stacking material within 50 metres lead.				
9.5.1	15.23.1	For thickness of tiles 10 mm to 25 mm	893	sqm	73.40	65546.00
9.6	15.25	Dismantling stone slab flooring laid in cement mortar including stacking of serviceable material and disposal of unserviceable material within 50 metres lead.	245	sqm	266.45	65280.00
9.7	15.42	Dismantling C.I. or asbestos rain water pipe with fittings and clamps including stacking the material within 50 metres lead :				
9.7.1	15.42.2	100 mm dia pipe	600	metre	78.00	46800.00
9.8	15.44	Dismantling G.I. pipes (external work) including excavation and refilling trenches after taking out the pipes, manually/ by mechanical means including stacking of pipes within 50 metres lead as per direction of Engineer-in-charge :				
9.8.1	15.44.1	15 mm to 40 mm nominal bore	770	metre	149.80	115346.00
9.9	15.52	Dismantling of flushing cistern of all types (C.I./PVC/Vitrious China) including stacking of useful materials near the site and disposal of unserviceable materials within 50 metres lead.	50	each	112.05	5603.00
9.10	15.56	Dismantling old plaster or skirting raking out joints and cleaning the surface for plaster including disposal of rubbish to the dumping ground within 50 metres lead.	475	sqm	54.65	25959.00
9.11	15.6	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineer-in-charge, beyond 50 m initial lead, for all leads including all lifts involved.	65	cum	263.95	17157.00
10	17	SANITARY INSTALLATIONS				
10.1	17.1	Providing and fixing water closet squatting pan (Indian type W.C. pan) with 100 mm sand cast Iron P or S trap, 10 litre low level white P.V.C.flushing cistern, including flush pipe, with manually controlled device (handle lever)conforming to IS : 7231, with all fittings and fixtures complete, including cutting and making good the walls and floors wherever required:				
10.1.1	17.1.1	White Vitreous china Orissa pattern W.C. pan of size 580x440 mm with integral type foot rests	10	each	6767.40	67674.00
10.2	17.7A	Providing and fixing wash basin with C.I. brackets, 15 mm dia CP Brass single hole basin mixer of approved quality and make, including painting of fittings and brackets, cutting and making good the walls wherever required:- (a) White Vitreous China Wash basin size 550x400 mm with a 15 mm CP Brass single hole basin mixer	50	each	3960.55	198028.00

10.3	17.22A	Providing and fixing CP Brass 32 mm size Bottle Trap of approved quality & make and as per the direction of Engineer-in-charge.	50	each	1034.80	51740.00
10.4	17.31	Providing and fixing 600x450 mm beveled edge mirror of superior glass (of approved quality) complete with 6 mm thick hard board ground fixed to wooden cleats with C.P. brass screws and washers complete.	50	each	1607.95	80398.00
10.5	17.35	Providing and fixing soil, waste and vent pipes :				
10.5.1	17.35.1	100 mm dia				
10.5.1.1	17.35.1.3	Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	930	metre	1169.30	1087449.00
10.6	17.39	Providing and fixing plain bend of required degree.				
10.6.1	17.39.1	100 mm dia				
10.6.1.1	17.39.1.3	Hubless centrifugally cast (spun) iron pipes epoxy coated inside & outside IS:15905	200	each	368.00	73600.00
10.6	17.44	Providing and fixing single equal plain junction of required degree :				
10.6.1	17.44.1	100x100x100 mm				
10.6.1.1	17.44.1.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	96	each	581.45	55819.00
10.7	17.57A	Providing and fixing shielded coupling for Hubless centrifugally cast iron pipe				
10.7.1	17.57A.1	100 mm dia				
10.7.1.1	17.57A.1.1	SS 304 grade coupling with EPDM rubber gasket	800	each	432.05	345640.00
10.8	17.60	Providing and fixing trap of self cleansing design with screwed down or hinged grating with or without vent arm complete, including cost of cutting and making good the walls and floors :				
10.8.1	17.60.1	100 mm inlet and 100 mm outlet				
10.8.1.1	17.60.1.3	Hubless centrifugally cast (spun) iron epoxy coated inside & outside as per IS:15905	50	each	854.55	42728.00
10.9	17.74	Providing and fixing PTMT shelf 440 mm long, 124 mm width and 36 mm height of approved quality and colour, weighing not less than 300 gms.	50	each	713.20	35660.00
10.10	17.77	Providing and fixing M.S. holder bat clamp of approved design to sand cast iron/ cast iron (spun) pipes comprising of M.S. flat brackets made of 50x5 mm flat of specified shape, projecting 75 mm outside the wall surface and fixed on wall with 4nos, 6 mm dia expansion hold fasteners, including drilling necessary holes in brick wall/ CC/ RCC surface and the cost of bolts etc. The pipes shall be fixed to the already fixed brackets with the help of 30 mm x1.6 mm galvanised M.S. flats of specified shape and of total length 420 mm and shall be fixed with M.S. nuts, bolts, & washers of size 25x6 mm, one bolts on each side of the pipe.				
10.10.1	17.77.1	Total bracket length 580 mm of approved shape and design (for single 100 mm dia pipe)	90	each	304.05	27365.00
10.10.2	17.77.2	Total bracket length 810 mm of approved shape and design (for two 100 mm dia pipes)	54	each	378.10	20417.00
10.11	17.78	Providing and fixing white vitreous china extended wall mounting water closet of size 780x370x690 mm of approved shape including providing & fixing white vitreous china cistern with dual flush fitting, of flushing capacity 3 litre/ 6 litre (adjustable to 4 litre/ 8 litres), including seat cover, and cistern fittings, nuts, bolts and gasket etc complete.	40	each	14999.15	599966.00
10.12	MR	Providing and fixing S.S. Commod rack Bolt 16 mm dia & 180mm long complete T&P as per direction of Engineer-in-charge.	80	each	650.69	52055.00
11	18	WATER SUPPLY				
11.1	18.7	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply and all CPVC plain & brass threaded fittings, including fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and testing of joints complete as per direction of Engineer in Charge. Internal work - Exposed on wall				

11.1.1	18.7.6	50 mm nominal dia Pipes	205	metre	934.15	191501.00
11.2	18.8	Providing and fixing Chlorinated Polyvinyl Chloride (CPVC) pipes, having thermal stability for hot & cold water supply, including all CPVC plain & brass threaded fittings and fixing the pipe with clamps at 1.00 m spacing. This includes jointing of pipes & fittings with one step CPVC solvent cement and the cost of cutting chases and making good the same including testing of joints complete as per direction of Engineer in Charge. Concealed work, including cutting chases and making good the walls etc.				
11.2.1	18.8.2	20 mm nominal dia Pipes	335	metre	537.60	180096.00
11.2.2	18.8.3	25 mm nominal dia Pipes	435	metre	627.25	272854.00
11.3	18.21	Providing and fixing uplasticised PVC connection pipe with brass unions :				
11.3.1	18.21.2	45 cm length				
11.3.1.1	18.21.2.1	15 mm nominal bore	100	each	97.75	9775.00
11.4	18.65	Providing and fixing PTMT soap Dish Holder having length of 138 mm, breadth 102 mm, height of 75 mm with concealed fitting arrangements, weighing not less than 106 gms.	50	each	111.45	5573.00
11.5	MR	Providing and fixing Wall Mixer of approved quality and make as per the direction of Engineer-in-charge				
11.5.1		FUS-29273UPR Wall Mixer with Provision For Overhead Shower with 115mm Long Bend Pipe On Upper Side, Connecting Legs & Wall Flanges of Jaquar or equivalent	50	each	7358.40	367920.00
11.6	MR	Providing and fixing wall mounted Shower Arm of approved quality and make as per the direction of Engineer-in-charge				
11.6.1		SHA- 477 Shower Arm Casted 190mm Long Light Body Round Shape For Wall Mounted Showers with Flange of Jaquar	50	each	809.30	40465.00
11.7	MR	Providing and fixing Shower of approved quality and make as per the direction of Engineer-in-charge				
11.7.1		OHS-1999 Overhead Shower ø100mm Round Shape Multi Flow (ABS Body Chrome Plated with Gray Face Plate) with Rubit Cleaning System of Jaqua	50	each	2355.20	117760.00
11.8	MR	Providing and fixing Hand Shower (Health Faucet) of approved quality and make as per the direction of Engineer-in-charge				
11.8.1		ALD - 573 Hand Shower (Health Faucet) with 8mm Dia, 1 Meter Long Flexible Tube & Wall Hook of Jaquar, Cat. No- F160059 Health Faucet with 1.5m Flexible Tube & Hook (Center Controlled) or Hindware, S0426C Fantasia Health Faucet (Brass) with 1mtr CP Hose & Hook or johnson or equivalent	50	each	1760.90	88045.00
11.9	MR	Providing and fixing Stainless Steel Jalli of approved quality and make as per the direction of Engineer-in-charge	50	each	103.90	5195.00
11.10	MR	Providing and fixing Stainless Steel towel rail of make Perryware (T6901A1) complete with brackets fixed to wooden cleats with CP brass screws with concealed fittings arrangement of approved quality and colour.				
11.10.1		600 mm long towel rail	50	each	2757.00	137850.00
12	21	ALUMINIUM WORK				

12.1	21.1	Providing and fixing aluminium work for doors, windows, ventilators and partitions with extruded built up standard tubular sections/ appropriate Z sections and other sections of approved make conforming to IS: 733 and IS: 1285, fixing with dash fasteners of required dia and size, including necessary filling up the gaps at junctions, i.e. at top, bottom and sides with required EPDM rubber/ neoprene gasket etc. Aluminium sections shall be smooth, rust free, straight, mitred and jointed mechanically wherever required including cleat angle, Aluminium snap beading for glazing / panelling, C.P. brass / stainless steel screws, all complete as per architectural drawings and the directions of Engineer-in-charge. (Glazing, paneling and dash fasteners to be paid for separately) :				
12.1.1	21.1.1	For fixed portion				
12.1.1.1	21.1.1.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	1788	kg	495.05	885149.00
12.1.2	21.1.2	For shutters of doors, windows & ventilators including providing and fixing hinges/ pivots and making provision for fixing of fittings wherever required including the cost of EPDM rubber / neoprene gasket required (Fittings shall be paid for separately)				
12.1.2.1	21.1.2.1	Anodised aluminium (anodised transparent or dyed to required shade according to IS: 1868, Minimum anodic coating of grade AC 15)	50	kg	598.60	29930.00
13	22	WATER PROOFING				
13.1	22.3	Providing and laying water proofing treatment to vertical and horizontal surfaces of depressed portions of W.C., kitchen and the like consisting of: (i) 1st course of applying cement slurry @ 4.4 kg/sqm mixed with water proofing compound conforming to IS : 2645 in recommended proportions including rounding off junction of vertical and horizontal surface. (ii) 2nd course of 20 mm cement plaster 1:3 (1 cement : 3 coarse sand) mixed with water proofing compound in recommended proportion including rounding off junction of vertical and horizontal surface. (iii) 3rd course of applying blown or residual bitumen applied hot at 1.7 kg. per sqm of area. (iv) 4th course of 400 micron thick PVC sheet. (Overlaps at joints of PVC sheet should be 100 mm wide and pasted to each other with bitumen @ 1.7 kg/sqm).	479	sqm	769.60	368638.00
13.2	MR	Providing and Laying water proofing treatment in Sunken portion of WCs, bathroom etc, by applying following method with water proofing cement compound consisting of applying : a) Plaster the base and side wall of the sunken portion with cement mortar in 1:3 with water proofing compound. Thickness of plaster shall be 10mm to 15mm as per site requirement. b) Round the corners to have baby fillets of size 30x30 mm width cement mortar. c) Fix the outlet spout to drain off any leakage from plumbing pipes. d) Applying 1.2mm thick polyurethane coating using flaxi-coat PU 270 (i) of Dr. Fixit or equivalent from approved make. e) Sprinkle of a layer of sand on the freshly applied membrane coat to have slightly rough surface to develop bond with next layer. Removes excess or loose sand after the membranes is dried up.	479	sqm	1018.80	488005.00
14	26	NEW TECHNOLOGIES AND MATERIALS				

14.1	26.86	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid door/window/Clerestory windows & other Frames/Chowkhat comprising of virgin PVC polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) fabricated with miter joints after applying PVC solvent cement and screwed with full body threaded star headed SS screws having minimum frame density of 750 kg/cum, screw withdrawal strength of 2200 N (Face) & 1100 N (Edge), minimum compressive strength of 58 N/mm ² , modulus of elasticity 900 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant and fixed in position with M.S hold fast/lugs/SS dash fasteners of required dia and length complete as per direction of Engineer-In- Charge. (M.S hold fast/lugs or SS dash fasteners shall be paid for separately). Note: For WPC solid door/window frames, minus 5 mm tolerance in dimensions i.e depth and width of profile shall be acceptable. Variation in profile dimensions on plus side shall be acceptable but no extra payment on this account shall be made.				
14.1.1	26.86.1	Frame size 45 x 70 mm	248	metre	705.85	175051.00
14.2	26.88	Providing and fixing factory made single extruded WPC (Wood Polymer Composite) solid decorative type flush door shutter of required size comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/wheat husk) and non toxic additives (maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) & 900 N (Edge), minimum compressive strength 50 N/mm ² , modulus of elasticity 850 N/mm ² and resistance to spread of flame of Class A category with property of being termite/borer proof, water/moisture proof and fire retardant. WPC to be laminated with PVC foil of minimum 14 microns thick of approved design pasted with hot melt adhesive on both faces of shutter and fixing with stainless steel butt hinges of required size with necessary full body threaded star headed counter sunk S.S screws, all as per direction of Engineer-In- Charge. (Note: stainless steel butt hinges and necessary S.S screws shall be paid separately)				
14.2.1	26.88.1	30 mm thick	79	sqm	4764.20	376372.00

14.3	26.91	Providing and fixing factory made 18 mm thick single extruded WPC (Wood Polymer Composite) solid plain white colour board Jali, CNC (Computer numeric control) routed of approved design by Engineer-in -charge which are machine cut for duct/shaft covering, partitions and facades comprising of virgin polymer of K value 58-60 (Suspension Grade), calcium carbonate and natural fibers (wood powder/ rice husk/ wheat husk) and non toxic additives(maximum toxicity index of 12 for 100 gms) having minimum density of 650 kg/cum and screw withdrawal strength of 1800 N (Face) minimum compressive strength 50 N/mm2, modulus of elasticity 850 N/mm2 and resistance to spread of flame of Class A category with properties of being termite/borer proof, water/ moisture proof and fire retardant and fixing on M.S (mild steel) frame made of 25 x 25 x 1.5 mm square hollow box section including applying a priming coat of approved steel primer, placed at grid made at 1.0 x 1.0 m or as per requirement at site with necessary stainless steel fasteners and SS screws etc., all complete as per direction of Engineer-In- Charge. (Note: M.S (mild steel) framework with priming coat and necessary SS fasteners and SS screws shall be paid separately.				
			330	sqm	3437.15	1134260.00
		Total				1,11,65,843.00
		Market rate total			1500702.00	
		DSR items total			9665141.00	
		Modified Estimated Cost after using correction factor on DSR 2023 on account of GST @ 0.973 on DSR items				94,04,182.00
		Cost Index @9% on DSR 2023				8,46,376.00
		Total				1,02,50,558.00
		Market rate item total				15,00,702.00
		Total (A)				1,17,51,260.00
		Add EPF & ESI charges @ 3.94% on (A)				4,63,000.00
		Contingencies @ 3%on (A)				3,52,538.00
		Grand Total				1,25,66,798.00
		Say				1,25,67,000.00

Assistant Engineer
CPWD, Rourkela

Executive Engineer-Rourkela
CPWD, Rourkela



केन्द्रीय विद्यालय संगठन

केन्द्रीय विद्यालय संगठन(मुख्य०)

शिक्षा मंत्रालय भारत सरकार के अधीन स्वायत्त संस्थान

18 संस्थागत क्षेत्र, शहीद जीत सिंह मार्ग, नई दिल्ली-110016

KENDRIYA VIDYALAYA SANGATHAN (HQs)

An Autonomous Body under Ministry of Education, Govt. of India

18, Institutional Area, S.J.S Marg, New Delhi-110016

Tel.:011-26569100

Website: www.kvsangathan.nic.in

F.No. 11350/KVS (HQs)/2024-25/Acad/ 6080

Date: 07.02.2025

Prof. K. Umamaheshwar Rao
Director, NIT Rourkela
& Chairman, Vidyalaya Management Committee
Kendriya Vidyalaya NIT Rourkela, Odisha-769002

Annexure – A8

Subject: Opening of Balvatika Classes in all Kendriya Vidyalayas-reg.

Sir,

As you are aware that the National Education Policy (NEP) 2020 highlights the critical importance of Early Childhood Care and Education (ECCE) as a foundation for lifelong learning and school readiness. The policy proposes a 5+3+3+4 pedagogical curricular structure, in which the Foundational Stage is three years of pre-school education with Grades I and II.

Kendriya Vidyalayas are primarily established to provide education from Classes I to XII, as approved by the Cabinet Committee on Economic Affairs (CCEA), Government of India. However, following the implementation of the National Education Policy (NEP) 2020, KVS has introduced Balvatika classes for younger children. These include Balvatika-1, Balvatika-2, and Balvatika-3 for children aged 3+, 4+, and 5+ years, respectively, in 53 KVs. Additionally, Balvatika-3 for the 5+ age group was opened in 443 KVs, with the approval of the Competent Authority of KVS.

The Board of Governors (BoG) of Kendriya Vidyalaya Sangathan (KVS), in its meeting held on August 22, 2024, approved the introduction of all three Balvatika classes in all KVs, corresponding to the number of sections in Class I. Since Balvatika classes have been institutionalised under NEP 2020, it is requested to take the necessary actions to ensure the establishment of Balvatika in the KV:

1. Construct additional classrooms to accommodate all three Balvatika classes.
2. Provide essential infrastructure, including appropriate furniture, Smart Class technology, and dedicated play areas, for effective functioning.
3. Sanction additional funds to cover recurring and non-recurring expenses, including salaries and allowances for additional staff, contingency costs, and other operational requirements.

In view of the above, it is requested to initiate the necessary administrative and financial measures to establish Balvatika-1, Balvatika-2, and Balvatika-3 in the Kendriya Vidyalaya sponsored by your Project/Institution of Higher Learning (IHL), effective from the Academic Session 2025-26.

In addition, if Balvatika has already been opened in your Kendriya Vidyalaya by carving out the existing infrastructure, it is further requested to take the necessary steps to ensure the construction of additional classrooms. This will ensure that adequate infrastructure is available for the smooth functioning of Balvatika in the future, without disrupting other academic activities.

Your support and cooperation will surely ensure the success of this transformative initiative of KVS, aimed at fostering early childhood education in alignment with NEP 2020.

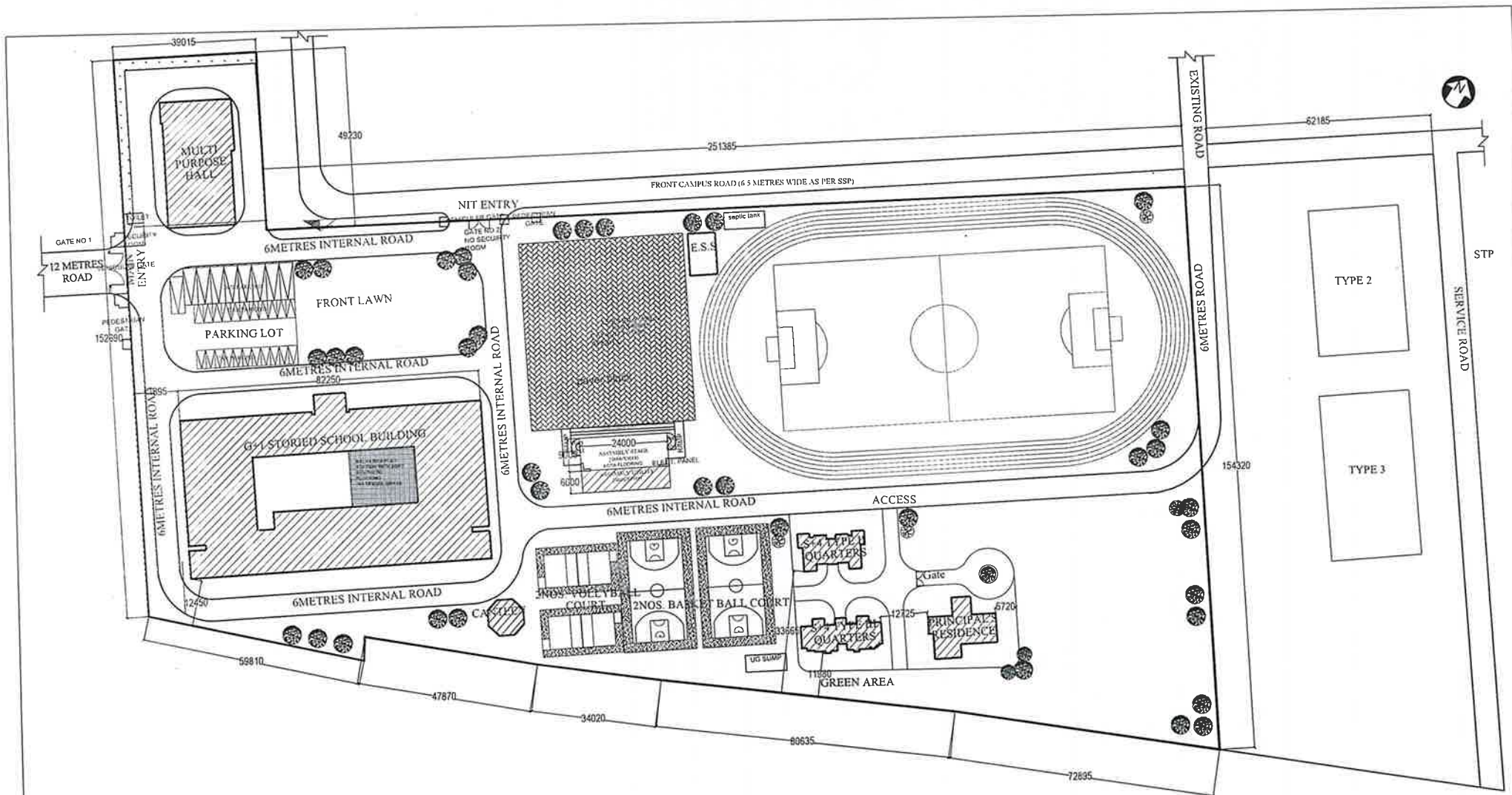
This issues with the approval of competent authority.

Yours sincerely

(Dr. P. Devakumar)
Joint Commissioner (Acad)

Copy to:

1. PS to the Commissioner, KVS (HQs) for information.
2. The Deputy Commissioner, KVS Regional Office Bhubaneswar for information.



NIT KV SITE LAYOUT
(OPTION 2)
(SITE AREA = 39275 sqm)

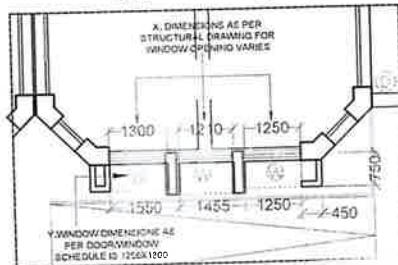
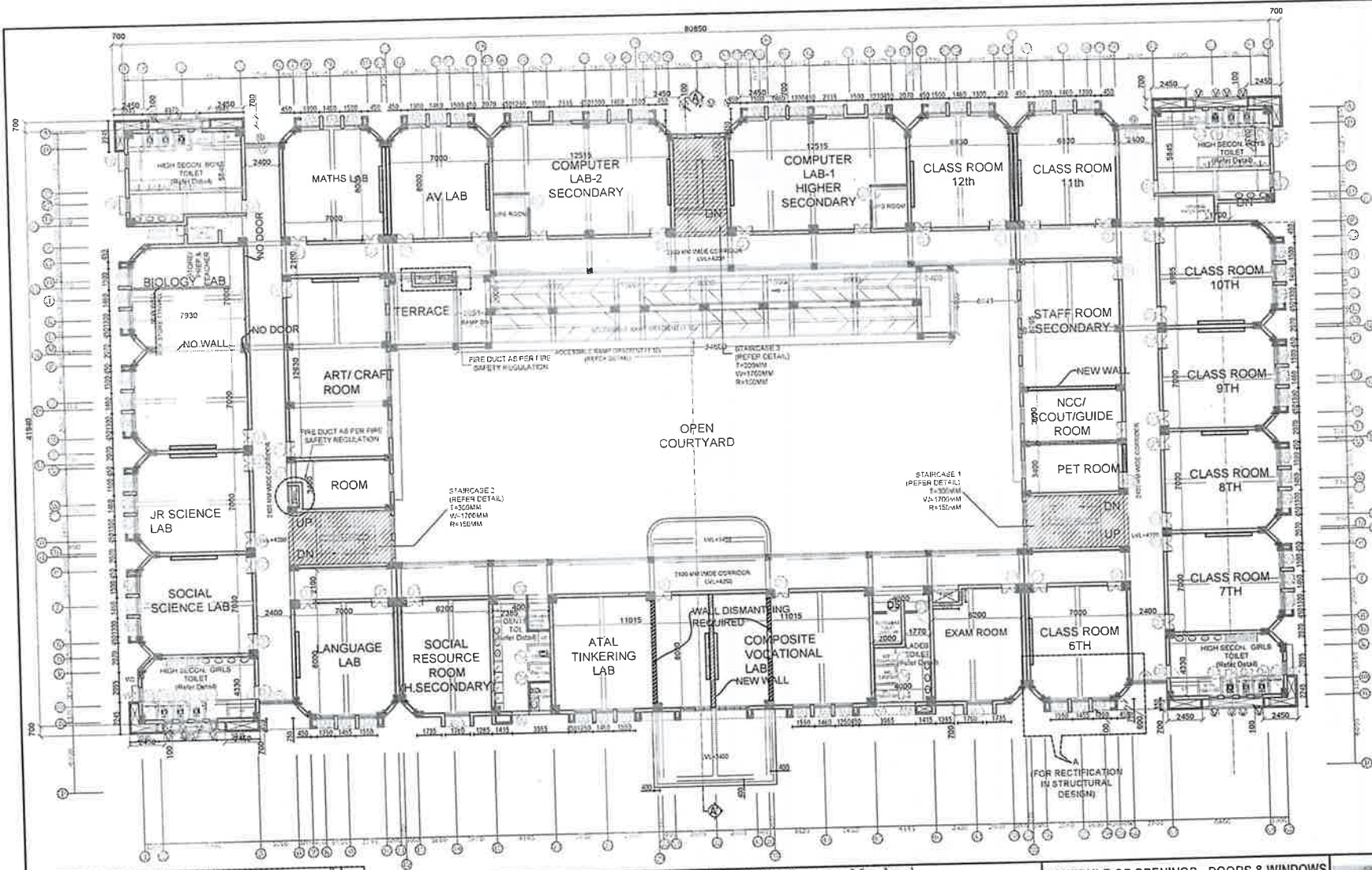
NOTE:-

1. THIS DRAWING HAS BEEN PREPARED BASED ON DIGITIZED SITE SURVEY PLAN RECEIVED FROM CONCERNED EXECUTIVE ENGINEER VIA EMAIL DATED 16.02.2024 AND EMAIL INTIMATING CLIENT APPROVAL DATED 16.02.2024.
2. THIS DRAWING IS PREPARED ON THE BASIS OF AA & ES CONVEYED BY REGISTRAR, NIT ROURKELA VIDE LETTER NO.NITR/ RG/2024/L/0063 DATED 29.01.2024.
3. THIS IS A CONCEPTUAL DRAWING. HOWEVER MAY BE MODIFIED IF REQUIRED IN COMPLIANCE WITH NBC, LOCAL BUILDING BY-LAWS, FIRE NORMS AND ACCESSIBILITY NORMS.
4. CONSTRUCTION SHOULD NOT START WITHOUT APPROVAL FROM ALL STATUTORY AGENCIES LIKE LOCAL BODY, FIRE, AIRPORT AUTHORITY AND ALL OTHER AGENCIES REQUIRED FOR ERECTION OF THE SAID BUILDING INSIDE THE PLOT.
5. PROVISIONS FOR MAINTENANCE TO BE KEPT IN ALL SERVICE DUCTS.
6. LOCATION OF WINDOWS/ OPENINGS TO BE SHOWN ON FINALIZATION OF ELEVATION.
7. THIS DRAWING IS SUBJECT TO SITE AND STRUCTURAL FEASIBILITY.
8. THIS DRAWING IS SUBJECT TO AVAILABLE GROUND COVERAGE AND AVAILABLE F.A.R. AS PER BUILDING BYE LAWS.
9. ALL DIMENSIONS ARE IN MM IF NOT SPECIFIED OTHERWISE.
10. DIMENSIONS AS WRITTEN SHOULD BE FOLLOWED AND DIMENSIONS SHOULD NOT BE SCALED.
11. APPROVAL OF CLIENT DEPARTMENT ON ALL THE DRAWINGS SHOULD BE TAKEN AND A COPY OF ALL THE APPROVED DRAWINGS DULY SIGNED AND STAMPED SHOULD BE RETURNED TO THIS OFFICE FOR FURTHER NECESSARY ACTION AT OUR END.
12. ANY DISCREPANCY FOUND, SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF OJO CA, KOLKATA, CPWD.

REVISION NOTE:-

- R1) THIS DRAWING HAS BEEN REVISED BASED ON EMAIL FROM CONCERNED EXECUTIVE ENGINEER DATED, 02.04.2024
- R2) THIS DRAWING HAS BEEN REVISED BASED ON CLIENT OBSERVATIONS CONVEYED BY CONCERNED EXECUTIVE ENGINEER TO SENIOR ARCHITECT (KOLKATA), DATED 27.02.2025

OJO CHIEF ARCHITECT SDG (KOLKATA), C.P.W.D., NIZAM PALACE, KOLKATA.	
PROPOSED 'A' TYPE KENDRIYA VIDYALAYA FOR NIT AT ROURKELA	
DATE : MAR '25	DWG. NO. - CA(KOL)/12(2)/64/NITR/KV/LOP/PD/01/R2
SCALE - NTS	LAYOUT PLAN
DEALT BY,	STAGE- PRELIMINARY DRAWING
(S. DAS) ASS. ARCHITECT	(B. NATH) ARCHITECT
	(N. MUKHOPADHYAY) CHIEF ARCHITECT



DISCREPANCY 7. IS LIKELY TO CAUSE ELEVATION ASYMMETRICAL AS RECOMMENDED IN Y. SAMPAN ISSUE HAS BEEN OBSERVED IN ROOMS MARKED WITH NUMBER 81 TO 18. HENCE RECTIFICATION IN STRUCTURAL DRAWING IS RECOMMENDED.

DETAIL A

NOTE: All beams are of size = 300 x 600 Except Marked

- THIS DRAWING IS PREPARED ON THE BASIS OF STRUCTURAL DRAWING RECEIVED VIDE EMAIL FROM. EEROURKELACPWD@GMAIL.COM. DATED. 01.07.2024.
- THIS IS WORKING DRAWINGS MAY BE MODIFIED IF REQUIRED IN COMPLIANCE WITH EXISTING SITE CONDITIONS, NBC, LOCAL BUILDING BY-LAWS, FIRE NORMS AND ACCESSIBILITY NORMS.
- CONSTRUCTION SHOULD NOT START WITHOUT APPROVAL FROM ALL STATUTORY AGENCIES LIKE LOCAL BODY, FIRE, AIRPORT AUTHORITY AND ALL OTHER AGENCIES REQUIRED FOR ERECTION OF THE SAID BUILDINGS INSIDE THE PLOT.
- ONE SET OF CLIENT APPROVED DRAWINGS AND APPROVED DRAWINGS FROM ALL STATUTORY AGENCIES LIKE LOCAL BODY ALONG WITH APPROVAL LETTER SHOULD BE SENT TO THIS OFFICE FOR INFORMATION AND NECESSARY ACTION AT OUR END.
- PROVISIONS FOR MAINTENANCE TO BE KEPT IN ALL SERVICE DUCTS.
- LOCATION OF WINDOWS/ OPENINGS TO BE SHOWN ON FINALIZATION OF ELEVATION.
- THIS DRAWING IS SUBJECT TO SITE AND STRUCTURAL FEASIBILITY.
- 6TH DIMENSION IS SUBJECT TO AVAILABLE GROUND COVERAGE AND AVAILABLE F.A.R. AS PER BUILDING BYE LAWS
- ALL DIMENSIONS ARE IN MM IF NOT SPECIFIED OTHERWISE BE SCALED.
- DIMENSIONS AS WRITTEN SHOULD BE FOLLOWED.
- OWNERSHIP OF THE SAID PLOT ALONG WITH PLOT AREA IS TO BE VERIFIED FROM THE COMPETENT AUTHORITY.
- ANY DISCREPANCY FOUND, SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF DIO CA, KOLKATA, CPWD.
- APPROVAL OF COMPETENT AUTHORITY MAY BE OBTAINED FOR CUTTING OF TREES FOR THE PROPOSED BUILDING BEFORE EXECUTION AT SITE.

SCHEDULE OF OPENINGS - DOORS & WINDOWS

S.NO.	TYPE	SIZE	SILL AT	LINTEL AT
1.	D	2000	2700	-
2.	D1	1200	2700	-
3.	D2	1000	2700	-
4.	D3	900	2100	-
5.	D4	800	2100	-

WINDOWS

1.	W	1250	1800	900	2700
2.	W1	1800	1800	900	2700
3.	W2	1000	1800	450	2700
4.	G	2100	2250	450	2700

VENTILATOR

1.	V	800	600	2100	2700
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DATE NOV 24

SCALE - NTS

DEALT BY:

O/o CHIEF ARCHITECT
SDG (KOLKATA), C.P.W.D.,
NIZAM PALACE, KOLKATA.

PROPOSED 'A' TYPE KENDRIYA
VIDYALAYA FOR NIT AT ROURKELA

DWG. NO. -

MODIFIED FIRST FLOOR
PLAN

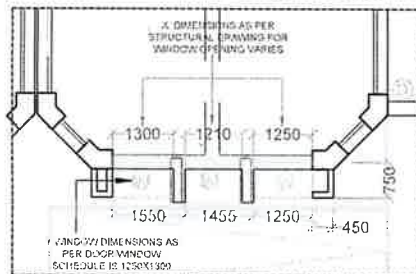
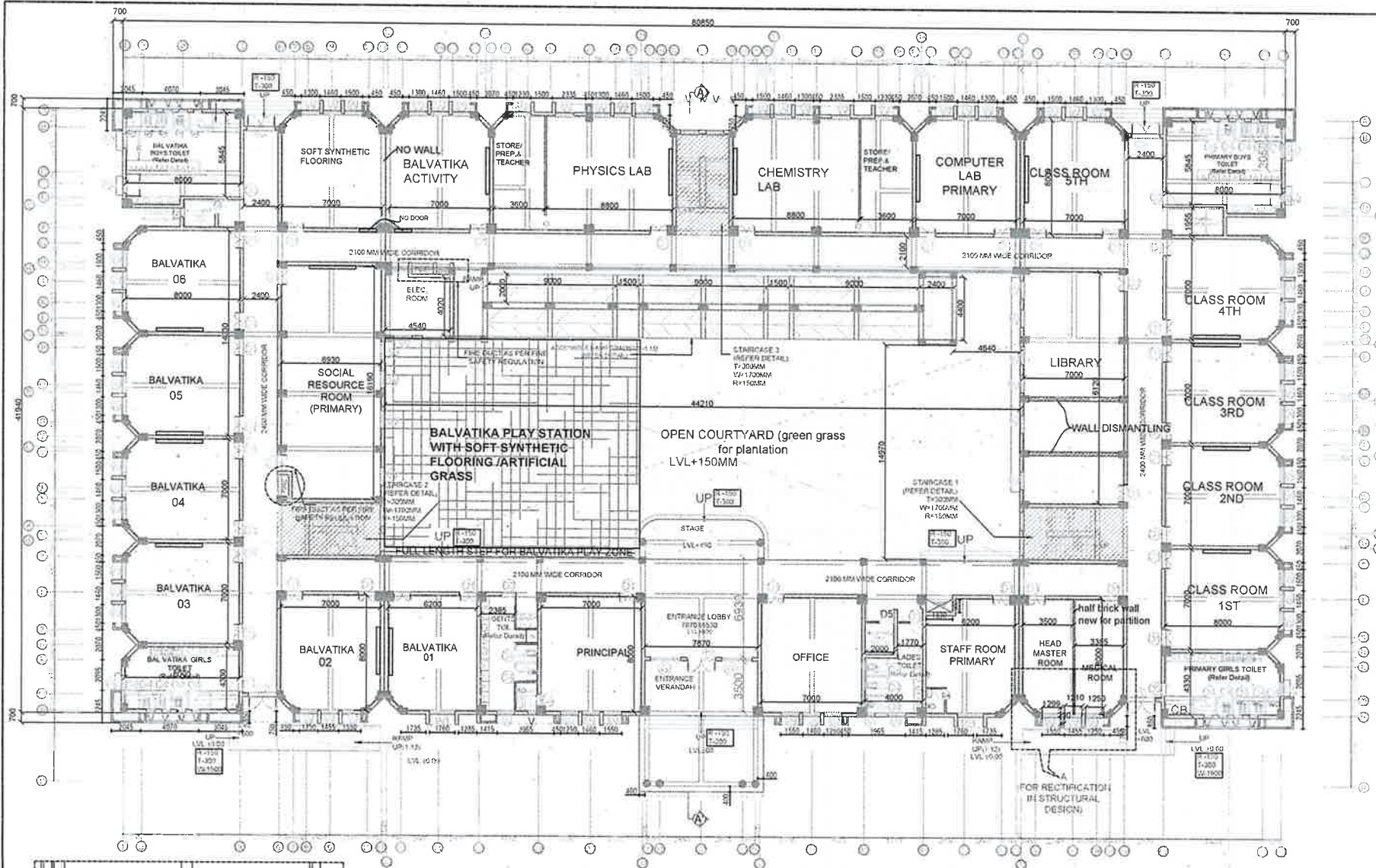
STAGE- WORKING DRAWING

(S. DAS)
ASS. ARCHT

(S. SAHU)
ARCHT

(B. NATH)
SENIOR ARCHT

(M. MUKHOPADHYAY)
CHIEF ARCHT



DISCREPANCY X, IS LIKE, Y TO CAUSE ELEVATION ASYMMETRICAL AS RECOMMENDED IN Y. SIMILAR ISSUE HAS BEEN OBSERVED IN ROOMS MARKED WITH NUMBER 01 TO 16. HENCE RECTIFICATION IN STRUCTURAL DRAWING IS RECOMMENDED.
DETAIL A

NOTE:-

- THIS DRAWING IS PREPARED ON THE BASIS OF STRUCTURAL DRAWING RECEIVED VIDE EMAIL FROM, EEROURKELACPWD@GMAIL.COM, DATED, 01.07.2024.
- THIS IS WORKING DRAWINGS MAY BE MODIFIED IF REQUIRED IN COMPLIANCE WITH EXISTING SITE CONDITIONS, NBC, LOCAL BUILDING BY-LAWS, FIRE NORMS AND ACCESSIBILITY NORMS.
- CONSTRUCTION SHOULD NOT START WITHOUT APPROVAL FROM ALL STATUTORY AGENCIES LIKE LOCAL BODY, FIRE, AIRPORT AUTHORITY AND ALL OTHER AGENCIES REQUIRED FOR ERECTION OF THE SAID BUILDING INSIDE THE PLOT.
- ONE SET OF CLIENT APPROVED DRAWINGS, AND APPROVED DRAWINGS FROM ALL STATUTORY AGENCIES LIKE LOCAL BODY ALONG WITH APPROVAL LETTER SHOULD BE SENT TO THIS OFFICE FOR INFORMATION AND NECESSARY ACTION AT OUR END.
- PROVISIONS FOR MAINTENANCE TO BE KEPT IN ALL SERVICE DUCTS.
- LOCATION OF WINDOWS/ OPENINGS TO BE SHOWN ON FINALIZATION OF ELEVATION.
- THIS DRAWING IS SUBJECT TO SITE AND STRUCTURAL FEASIBILITY.
- THIS DRAWING IS SUBJECT TO AVAILABLE GROUND COVERAGE AND AVAILABLE F.A.R. AS PER BUILDING BYE LAWS
- ALL DIMENSIONS ARE IN MM IF NOT SPECIFIED OTHERWISE
- DIMENSIONS AS WRITTEN SHOULD BE FOLLOWED AND DIMENSIONS SHOULD NOT BE SCALED.
- OWNERSHIP OF THE SAID PLOT ALONG WITH PLOT AREA IS TO BE VERIFIED FROM THE COMPETENT AUTHORITY.
- ANY DISCREPANCY FOUND, SHOULD BE IMMEDIATELY BROUGHT TO THE NOTICE OF O/O CA, KOLKATA, CPWD.
- APPROVAL OF COMPETENT AUTHORITY MAY BE OBTAINED FOR CUTTING OF TREES FOR THE PROPOSED BUILDING BEFORE EXECUTION AT SITE.

SCHEDULE OF OPENINGS - DOORS & WINDOWS

S.NO.	TYPE	SIZE		SILL AT	LINTEL AT
		WIDTH	HEIGHT		
1.	D	2000	2700	-	2700
2.	D1	1200	2700	-	2700
3.	D2	1000	2700	-	2700
4.	D3	900	2100	-	2100
5.	D4	800	2100	-	2100

WINDOWS

1.	W	1250	1800	900	2700
2.	W1	1800	1800	900	2700
3.	W2	1000	1800	450	2700
4.	G	2100	2250	450	2700

VENTILATOR

1.	V	600	600	2100	2700
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DATE: NOV 24

SCALE - NTS

DEALT BY:

O/o CHIEF ARCHITECT
SDG (KOLKATA), C.P.W.D.
NIZAM PALACE, KOLKATA.

PROPOSED 'A' TYPE KENDRIYA
VIDYALAYA FOR NIT AT ROURKELA

DWG. NO.-

MODIFIED GROUND FLOOR
PLAN

STAGE- WORKING DRAWING

(S. DAS)
ASS ARCHITECT

(S. SAHU)
ARCHITECT

(B. RATHI)
SENIOR ARCHITECT

(N. MUKHOPADHYAY)
CHIEF ARCHITECT



**NATIONAL
INSTITUTE OF
TECHNOLOGY**
ROURKELA - 769 008, ORISSA

Annexure – A9

PABX : 0661 - 2465999
Fax : 0661 - 2472926, 2462999
Website : www.nitrkl.ac.in

WORK ORDER

No.NITR/PW/WO/CT/ 80 /10-11/ 96

Date: 06 / 07 /2010

To
M/s Inform Architects Pvt. Ltd.
No.-422, 2nd floor,
SBI Building, 9th main,
11 stage, Banashankari
Bangalore – 560070

Sub: Comprehensive Architectural Services for the work – Construction of Golden Jubilee Building at NIT, Rourkela.

Ref : 1) Tender Notice No. 02 of 2009-10
2) LOI No. NITR/PW/10/L/3506 dated 27.04.10

Dear Sir,

In response to our tender enquiry and your letter stated above, I am happy to inform you that the Institute has awarded the above mentioned work to you @2.25%(Two point two five percent) of the total project cost with the following terms and conditions.

1. The job Involves comprehensive architectural services including survey of the area, soil investigation, preparation of concept plan, architectural and structural drawing, Bill of quantities(BOQ), specifications for tendering, electrical drawing, built drawing etc.
2. The date of commencement of the job shall be reckoned from the date of issue of the work order.
3. **Security Deposit** : Security Deposit shall be deducted @5% from your running bill and shall be kept with Institute and will be released after six months from the date of completion of the project.
4. **Payment Terms**: The schedule of payment to be done at various stages consistent with the work done is given in the Annexure-I and shall be claimed as running bills.
5. The awarded price includes cost of tools tackles, materials & manpower required for this job.
6. Statutory and regulatory rules of sales/service tax are to be strictly followed. Service Tax may be charged extra as applicable, including changes made by the Government during the contract period which shall be reimbursed to the claimant against documentary evidence.
7. You are requested to contract Prof. J.K. Pani, Dean(PD) regarding planning, designing and execution of the contract.
8. You shall abide by all statutory laws and regulations of State/Central Govt. as per jurisdiction.

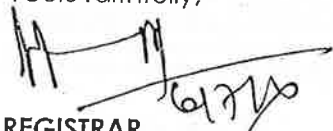
Contd...P/2

-76-

9. You are requested to sign on the copy of the work order enclosed herewith and return the same to the office of the undersigned as a token of acceptance and acknowledgement of the work order for our records within 7 days.
10. **Agreement:** You are required to sign an agreement with the Institute on non judicial stamp paper as per the format (available in the Purchase & Works Office) before the commencement of the job.
11. **Arbitration and right to amend rules :**
- The Institute reserves the right to amend rules whenever and wherever considered necessary and appropriate. The same shall be intimated to the contractor in due course.
 - The Institute rules shall be binding for execution of the contract. Further in case of any dispute arising out of or in connection with the aforesaid contract either during subsistence of the contract or thereafter, Director, NIT, Rourkela is the sole arbitrator to decide the same and his decision is final and binding on both the parties as per the provisions of the Arbitration and Conciliation Act 1996. If differences persist even after arbitration and there are compelling reasons to go to the court, it will be decided in the court of Rourkela only.

Thanking you,

Yours faithfully,



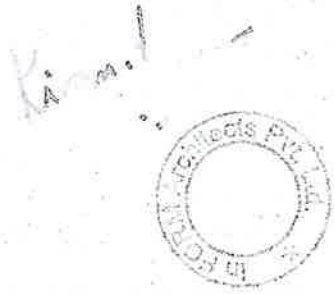
REGISTRAR

Ph: 0661-2476773/2462021

Encl : As above

Copy to :

- 1) Dean (PD)
- 2) Prof. A.K. Panda, VP(CT)
- 3) Prof. S.P. Singh, PIC(CT)
- 4) Prof. Y.K. Sahu, VP(ET)
- 5) Sri S.P Mohapatra, AEE
- 6) Asst. Registrar(FA)
- 7) File.



SCHEDULE OF PAYMENT

<u>Stage -1</u> On submission of conceptual design with Preliminary estimate cost.	10%
<u>Stage - 2</u> Upon approval of design & preparation drawing & schedule of quantities of sufficient in prepare estimate of cost & preparation of tender documents.	10%
<u>Stage - 3</u> On preparation of Architectural & Structural drawings sufficient for commencement of work at site.	10%
<u>Stage - 4</u> On completion of Public health drawing, preparation of brick work drawings/future drawings for interior works/related works depending upon type of project.	10%
<u>Stage-5</u> On completion of Electrical drawing.	5%
<u>Stage - 6</u> On completion of site development & landscaping Details & submission of as built drawing.	5%
<u>Stage - 7</u> Project management till completion. (to be paid as per progress at site)	40%
<u>Stage -- 8</u> On completion of work balance payment making the total equivalent to 100% of the fees payable.	10%
At Stage 1, 2 & 3:- Payment will be done on estimate cost.	
Stage - 4 to 7 :- Payment will be done based on finalized tender price.	
Stage - 8 :- After completion of the project in all project (including +/- deviation, if any)	

✓

Amus
18.6.12

 -78-

6.0 SCHEDULE OF PAYMENTS

The Consultant shall be paid professional fees in the following stages consistent with the work done.

6.1 Stage-1 Concept Design

10% of the estimated fees on submission of the Design Concept Report with a preliminary estimate of cost of works to be executed.

6.2 Stage-2 Drawing and Tender documents

30% of the estimated fees will be payable on submission of complete scheme drawings, a tender schedule of items, and detail equipment layout drawings for the works to be executed in the tender specification document.

6.3 Stage-3 Tendering and award of works

10% of the estimated fees based on awarded value of the works to the air-conditioning contractor shall be payable on tendering and award of work to the air-conditioning contractor.

6.4 Stage-4 Installation of Systems

25% of the estimated fees based on awarded value of the work to the air-conditioning Contractor will be payable during progress of erection work at site in two equal installments.

10% of the estimated fees based on executed value of the work by the air-conditioning Contractor will be payable on completion of the installation work.

6.5 Stage-5 Completion Stage

15% of the balance fees along with any adjustment required on the estimated fees based on executed value of the works by the air-conditioning Contractor on certification of commissioning of the system and handing over of the systems by the air-conditioning Contractor for Client's beneficial use, issue of "Certificate of Virtual Completion of Works".



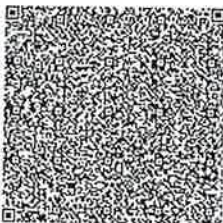
Q. V. M. W.
12.6.10



INDIA NON JUDICIAL
Government of Karnataka

e-Stamp

Certificate No. : IN-KA54064774276010J
Certificate Issued Date : 11-Feb-2011 10:11 AM
Account Reference : SHCIL (FI)/ ka-shcil/ SRO JAYANAGAR/ KA-BA
Unique Doc. Reference : SUBIN-KAKA-SHCIL93792828886055J
Purchased by : INFORM ARCHITECTS PVT LTD
Description of Document : Article 30 Lease of Immovable Property
Description : AGREEMENT
Consideration Price (Rs.) : 0
(Zero)
First Party : N I T ROURKELA
Second Party : INFORM ARCHITECTS PVT LTD
Stamp Duty Paid By : INFORM ARCHITECTS PVT LTD
Stamp Duty Amount(Rs.) : 100
(One Hundred only)



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AGREEMENT

THIS AGREEMENT made on the, 21st Day of March 2010, Kiran
BETWEEN NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA,
ORISSA - 769008, (hereinafter called "First Party") which expression shall
include its successors and assigns.

And

Contd...P/2

Statutory Alert:

1. The authenticity of the Stamp Certificate can be verified at Authorised Collection Centers (ACCs), SHCIL Offices and Sub-registrar Offices (SROs).
2. The Contact Details of ACCs, SHCIL Offices and SROs are available on the Web site "www.shcilestamp.com"

ಈ ದಸ್ತಾವೇಜು ಹಾಳೆಯನ್ನು ರರ್ನಾಟಕ ಸರ್ಕಾರದ
ಆದೇಶ ಸಂಖ್ಯೆ ೪೦೪ 152 ಮುನ್ಸೂಚನಾ 2003
ದಿನಾಂಕ 09 - 05 - 2003ರ ಪ್ರಕಾರ ಮುದ್ರಿಸಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ಸರ್ಕಾರ
Government of Karnataka

ದಸ್ತಾವೇಜು ಹಾಳೆ
Document Sheet

ಚಿತ್ರ



ನೋಂದಣಿ ಹಾಗೂ ಮುದ್ರಾಂಕ ಇಲಾಖೆ
Registration and Stamps Department

ಬೆಲೆ : ರೂ. 2/-

ಈ ಹಾಳೆಯನ್ನು ಯಾವುದೇ ದಸ್ತಾವೇಜಿಗೆ ಉಪಯೋಗಿಸಬಹುದು
This sheet can be used for any document

ದಸ್ತಾವೇಜನ್ನು ಬರೆದುಕೊಟ್ಟ ದಿನಾಂಕ
Date of execution

ವಾವಿರಿಸಿದ ಒಟ್ಟು ಮುದ್ರಾಂಕ ಶುಲ್ಕ ರೂ.
Total stamp duty paid Rs.

"M/s InFORM Architects Pvt. Ltd., No. 422, 2nd floor, SBI Building, 9th Main, 2nd Stage, Banashankari, Bangalore – 560070" (hereinafter called "Second Party") which expression shall include its successors and assigns.

WHEREAS the second party has agreed to provide and the first party has agreed to accept from the second party, for comprehensive architectural services for the work – Construction of Golden Jubilee Building at NIT, Rourkela with the following terms and conditions:

1. The terms and conditions enumerated in the work order shall remain in force and shall form part of this contract.
 - a) Tender Notice No. 02 of 2009-10
 - b) Work Order No. NITR/PW/WO/CT/80/10-11/96 dated 06.07.2010
2. **Scope of Work :** The job Involves comprehensive architectural services including survey of the area, soil investigation, preparation of concept plan, architectural and structural drawing, Bill of quantities(BOQ), specifications for tendering, electrical drawing, built drawing etc.
3. **Total Value of the Contract:** @2.25 % (Two point two five percent) of the total project cost.
4. The awarded price includes cost of tools tackles, materials & manpower required for this job.
5. **Security Deposit:** Security Deposit @5% shall be deducted from the running bill of second party and shall be kept with first party and will be released after six months from the date of completion of the project.
6. **Payment Terms:** The schedule of payment to be made at various stages consistent with the work done at every stage shall be as per Annexure-I attached to the work order.
7. The awarded price includes cost of tools tackles, materials & manpower required for this job.
8. Statutory and regulatory rules of sales/service tax are to be strictly followed. Service Tax may be charged extra as applicable, including changes made by the Government during the contract period which shall be reimbursed to the claimant against documentary evidence.
9. The second party shall abide by all statutory laws and regulations of State/Central Govt. as per jurisdiction.
10. **Termination Clause:** The contract can be terminated under any one of the following circumstances.
 - a) The contract can be terminated by the first party with a month's notice anytime without assigning any reason, if in the opinion of the authorities of the first party, such termination is in the interest of the Institute (NIT, Rourkela). This termination shall not be challenged by the second party.

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ಈ ದಸ್ತಾವೇಜು ಹಾಳೆಯನ್ನು ಕರ್ನಾಟಕ ಸರ್ಕಾರದ
ಆದೇಶ ಸಂಖ್ಯೆ ೧೫೭ ಮುನೋಮು ೨೦೦೩
ದಿನಾಂಕ ೦೯-೦೫-೨೦೦೩ರ ಪ್ರಕಾರ ಮುದ್ರಿಸಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ಸರ್ಕಾರ
Government of Karnataka

ದಸ್ತಾವೇಜು ಹಾಳೆ
Document Sheet

ಚಿತ್ರ:



ನೋಂದಣಿ ಹಾಗೂ ಮುದ್ರಾಂಕ ಇಲಾಖೆ
Registration and Stamps Department

ಬೆಲೆ : ರೂ. ೨/-

ಈ ಹಾಳೆಯನ್ನು ಯಾವುದೇ ದಸ್ತಾವೇಜಿಗೆ ಉಪಯೋಗಿಸಬಹುದು
This sheet can be used for any document

ದಸ್ತಾವೇಜನ್ನು ಬರೆದುಕೊಟ್ಟ ದಿನಾಂಕ
Date of execution

ಪಾವತಿಸಿದ ಒಟ್ಟು ಮುದ್ರಾಂಕ ಶುಲ್ಕ ರೂ.
Total stamp duty paid Rs.

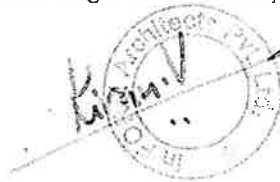
- b) The second party not executing the order as per the agreed terms and condition of the work order and contract. The first party shall assess the quality of work executed by the second party from time to time and shall decide whether the work performed by second party meets the prescribed standards and/or specification or is deficient and to what degree. In such a case the notice period shall be one week without any compensation.
- c) For committing breach of the terms & conditions of the contract or assigning the contract or any part thereof by the second party to any third party or subletting whole or part of the contract or the premises to any third party. The notice period shall be one week without any compensation.
- d) The second party declared as insolvent by the court of law. The notice period shall be one week without compensation.

During the notice period for termination of contract in any of the situation contemplated above the second party shall keep discharging its duties as before till the expiry of notice period. It shall be the sole responsibility of the second party to remove all the person and/or resources deployed by him on termination of the contract on any ground whatsoever and to ensure that no person creates any disruption/hindrance/problem of the any nature to first party.

11. Arbitration and right to amend rules :

- a) The first party reserves the right to amend rules whenever and wherever considered necessary and appropriate. The same shall be intimated to the second party in due course.
- b) The Institute rules shall be binding for execution of the contract. Further in case of any dispute arising out of or in connection with the aforesaid contract either during subsistence of the contract or thereafter, Director, NIT, Rourkela is the sole arbitrator to decide the same and his decision is final and binding on both the parties as per the provisions of the Arbitration and Conciliation Act 1996. If differences persist even after arbitration and there are compelling reasons to go to the court, it will be decided in the court of Rourkela only.

[Handwritten signature]



ಈ ದಸ್ತಾವೇಜು ಹಾಳೆಯನ್ನು ಕರ್ನಾಟಕ ಸರ್ಕಾರದ
ಆದೇಶ ಸಂಖ್ಯೆ ಕರ್.ಇ.152 ಮುನೋಮು 2003
ದಿನಾಂಕ 09-05-2003ರ ಪ್ರಕಾರ ಮುದ್ರಿಸಲಾಗಿದೆ.

ಕರ್ನಾಟಕ ಸರ್ಕಾರ
Government of Karnataka

ದಸ್ತಾವೇಜು ಹಾಳೆ
Document Sheet

23:



ನೋಂದಣಿ ಹಾಗೂ ಮುದ್ರಾಂಕ ಇಲಾಖೆ
Registration and Stamps Department

ಬೆಲೆ : ರೂ. 2/-

ಈ ಹಾಳೆಯನ್ನು ಯಾವುದೇ ದಸ್ತಾವೇಜಿಗೆ ಉಪಯೋಗಿಸಬಹುದು
This sheet can be used for any document

ದಸ್ತಾವೇಜನ್ನು ಬರೆದುಕೊಟ್ಟ ದಿನಾಂಕ
Date of execution

ಪಾವತಿಸಿದ ಒಟ್ಟು ಮುದ್ರಾಂಕ ಶುಲ್ಕ ರೂ.
Total stamp duty paid Rs.

IN WITNESS THEREOFF the parties to this presents have hereunto set their hands and seals the
day and the year first above mentioned

FOR AND ON BEHALF OF NIT, ROORKELA

REGISTRAR

FOR AND ON BEHALF OF

M/s InFORM Architects Pvt. Ltd.
No. 422, 2nd floor,
SBI Building, 9th Main,
2nd Stage, Banashankari,
Bangalore - 560070.

(Signature with Seal)

In the presence of Witness:

1.
P.K. Panda, AR(P&W)
NIT, Roorkela.

2.



(Signature with Seal)

In the presence of Witness:

1. B.N. Sinha
BAIKUNTH NATH SINHA

2.
BITISHREE PANDA.



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology
Rourkela - 769 008

Prof. K. Umamaheshwar Rao
Director

प्रो: के. उमामहेश्वर राव
निदेशक

No. NITR/DR/2022/L/0070

Date – 05/05/2022

To
Ar. Kiran Venkatesh
M/S InFORM Architects
422, 2nd Floor, 9th Main Rd, Banashankari Stage II
Bengaluru, Karnataka 560070

Subject: Help the Golden Jubilee Building, NIT Rourkela fit its intended purpose

Dear Sir,

The construction of the Golden Jubilee building is virtually completed a couple of years ago. M/S SPCPL has built this building based on the drawings you provided. Govt. of India has spent 100 crore rupees to build it, which is taxpayer's money. Unfortunately, the building is not habitable and has not been able to be occupied so far since its completion apparently due to various planning and design errors. Being responsible for this construction, it is our duty to review our work and try to correct the errors that have already been executed and help the building fit the purpose for which it is built. This requires a joint meeting with all parties involved. The purpose of this meeting is not to blame each other, but to find a way to make this building useful.

Therefore, I urge you to make a plan to visit our campus at the earliest possible to see the constructed building and to discuss the possible remediation of the building. Please send us a convenient time to arrange this visit/meeting.

With regards,

K. Umamaheshwar Rao

Zimbra

mondalj@nitrkl.ac.in

minutes of our meeting with M/S InFORM Architect (reg.)

From : Pradip Sarkar <sarkarp@nitrkl.ac.in>
Subject : minutes of our meeting with M/S InFORM Architect (reg.)

Wed, Aug 21, 2019 05:15 PM

To : REGISTRAR REGISTRAR-NIT,RKL
<registrar@nitrkl.ac.in>

Cc : Joydip Mondal <mondalj@nitrkl.ac.in>

Dear Sir:

This is a gentle reminder to send the minutes of our meeting with the representatives of M/S InFORM Architect dated 20.08.2019 to M/S InFORM Architect through email. The email IDs of M/S InFORM Architect are as follows. The soft copy of the said minutes is available in MSword format on the desktop of your PC.

"InFORM GJB" <gjb@informarchitects.com>
"Abhilash" <abhilash@informarchitects.com>




Regards,
Pradip

Dr. Pradip Sarkar, Associate Professor
Department of Civil Engineering
National Institute of Technology Rourkela
Odisha - 769 008, INDIA
Tel. +91-661-246-2326, Cell. +91-94394-29739

Minutes of meeting held on 20/08/2019 at NIT Rourkela in connection with a contract with the construction of Golden Jubilee Building at NIT Rourkela

A meeting was held today (i.e., 20.08.2019) at the Meeting Hall of Civil Engineering Department, NIT Rourkela for resolving the issues arising out of the contract No. NITR/PW/WO/CT/66/12-13/68 dated 22/02/2013 for construction of Major Projects Phase – II, in general and Golden Jubilee Building in particular, so far as the role of architect appointed for this purpose by separate contract. This meeting was held in response to the letter No. NITR/RG/2019/L/0418 dated 02.08.2019. Followings are the salient outcome of the meeting.

1. The representative of M/S InFORM Architect, the architect for this contract are present as per attendance sheet (Annexure – 1)
2. A detailed discussion was held where NIT Rourkela have pointed out the deficiency, negligence, failure on the part of M/S InFORM Architect in discharging their responsibility in terms of the work order no NITR/PW/WO/CT/80/10-11/96 dated 06.07.2010. The preliminary reports received from Jadavpur University, a third-party appointed by NIT Rourkela indicates the possible design non-compliance with the provisions stipulated in Indian standards. However, M/S InFORM Architect disagreed with the above charges. M/S InFORM Architect reiterated that the building is designed as per the provision of relevant Indian Standards.
3. M/S InFORM Architect have promised to provide the solution to all the three structural issues raised by NIT Rourkela including the rehabilitation of the cracks developed on the west balcony of the Golden Jubilee Building, retrofitting of the beam supporting the canopy structure and the steel frames at the tower block terrace by August 27, 2019.
4. M/S InFORM Architect have submitted a scheme of rehabilitation for the said crack during May 2016 for which some concern was intimated to M/S InFORM Architect vide email dated 06.06.2016. The same scheme is discussed again in today's meeting and the scheme was not accepted by NIT Rourkela. M/S InFORM Architect have agreed to give a new rehabilitation scheme for the cracked area as per the given schedule.
5. NIT Rourkela would like to proof-check the structural design of the entire Golden Jubilee Building by experts from IITs/NITs. M/S InFORM Architect agreed to assist the appointed expert with all the required design documents including detailed design calculations to accomplish this task.


20/08/2019

20/08/2019

20/08/2019

Representatives of M/s InFORM Architect have requested to email the above minutes for approval of their competent authority. They informed that they are not authorised to sign this minutes.

Personnel attended the meeting held on 20.8.2019
at NIT, Rourkela in connection with contract for
construction of Golden Jubilee Building at NIT-Rourkela.

For NIT

PRADIP SARKAR, PIC (CT)

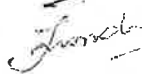
JAYDIP MONDAL, EE (Civil)

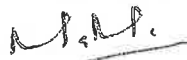
Manoranjan Mahapatra Ir-Tk (Civil)

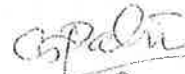
C.R. Patra Adv. Construction

PRADIP KUMAR DAS (Registrar)











For

Inform Architects : Abhikish KS [for attendance only]

Amit DEY 20/8/2019

IPCL

: Souvik Mallik (for attendance only)

(Above Signatures are only for meeting attendance
We do not accept the entire discussion as of now).

Zimbra

mondaljenit@nitrrkl.ac.in

Re: response to your letter no. Nil dated 23.07.2019

From : Pradip Sarkar <sarkarp@nitrkl.ac.in>
Subject : Re: response to your letter no. Nil dated
23.07.2019

Mon, Aug 19, 2019 07:18 PM

To : InFORM GJB <gjb@informarchitects.com>
Cc : Joydip Mondal <mondalj@nitrkl.ac.in>, nit se
<nit_se@informarchitects.com>, Abhilash
<abhilash@informarchitects.com>,
CHITTARANJAN PATRA <crpatra@nitrkl.ac.in>,
REGISTRAR REGISTRAR-NIT,RKL
<registrar@nitrkl.ac.in>, DEAN-PD DEAN(PD)
<dean-pd@nitrkl.ac.in>, PK SAHU
<pksahu@nitrkl.ac.in>

Dear Abhilash:

Greetings from NIT Rourkela!

I am sorry I could not inform you of the specific points on which we need discussions during our meeting on 20th August 2019 earlier. However, you must be aware of most of the issues as I have communicated all those issues to you several times in the past. Nevertheless, I have listed those items for your reference as follows. Please note that this list is not exhaustive. Some points might be missed out in a hurry.

- 1) Design data for vetting of GJB Building: You are aware of this issue. MHRD, Govt. of India instructed us to get the building design vetted by a third-party expert. And we need all the required design details to accomplish this task.
- 2) Issues related to the steel-concrete connection between the canopy and the primary structural elements of the building: We have informed you about this earlier.
- 3) Issue related to crack portion: THIS IS THE MOST IMPORTANT ASPECT of this meeting. You are very well aware of this issue.
- 4) Issue related Tower portion terrace floor louvers fixing: I have emailed you several times about this issue. I hope you are aware of this.
- 5) Ingress of water at different parts of the building (seminar block corridor, Tower and Non-tower Expansion joint, activity zone, Non-tower south side rooms, cafeteria, etc.)
- 6) Issue of certification of measurement for contractors bill.



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

F73/4507M



No. NITR/RG/2019/L/0384

Date: 16.07.2019

To,
M/s. Inform Architects
No. 422, 2nd Floor,
9th Main Road, Banashankari 2nd stage,
Bangalore- 560070.


Sub:- " Regarding construction of Golden Jubilee Building and Faculty Residence (Small) at NIT Rourkela Campus."

Dear Sir,

Further to our letter dated 13.06.2019 we would like to call upon you to discharge your responsibility within 15 days of receipt of this letter, since in spite of your commitment to comply with all your obligations in accordance with the points discussed and agreed in the meeting held 24.06.2019 at NIT Rourkela, failing which we shall have no alternative to treat the contract as terminated/closed and we shall be at liberty to get the work executed at your risk and cost by engaging another architect without further reference to you.

Further please be informed that other remedial action deemed fit and proper action will be initiated by us against you without further reference.

Thanking you,


16/07/2019
REGISTRAR

Copy to:

- 1) Dean(PD)
- 2) HOD(em) ✓
- 3) DR(PW)
- 4) AR(FA)
- 5) Secy to Director

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

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Minutes of meeting between NIT Rourkela & SPCPL
 Contract no.: NITR/PW/WO/CT/66/12-13/68 dated 22.02.2013
 Date: 24.06.2019

Attended by:

NITR
 Prof. Animesh Biswas, Director-NIT Rourkela
 Dr. Pradip Kumar Das, Registrar-NITR
 Dr. C.R. Patra, Advisor
 Prof. Jyesh Bera, Dean-Planning & Development
 Prof. Pradip Sarkar, PIC-Civil
 Mr. Joydeep Mondal, HOD (Estate Maintenance)
 Mr. Rajesh Sahoo, Engineer (Electrical)

SPCPL

Mr. Srijit Ghosh, Project In-Charge
 Mr. Debashis Das, Dy. Manager
 Mr. Asutosh Patra, Engineer MEP

Architect

Mr Amit - Mukesh & Associates
 Mr Amit Dey - Infom Architect
 Mr Sanat Samanta - Arch & Design

Sl. No	Point	Discussion	Action by
1	Issuance of taking over certificate (Virtual Completion Certificate)	SPCPL informed that 1000 Bedded Boys Hostel, Faculty Residences Building(2BHK & 3BHK), Lecture Hall Complex, Mechanical Science Building, Faculty Residences(Small) already taken over by NITR and structures are in use by NITR since long time. Also, work at Golden Jubilee Building completed except where decision are still pending or received late by June 2019, e.g., polycarbonate sheeting above canopy, lift facia & wall panelling of Golden Jubilee Building shall be carried out later during Defect Liability Period. NITR informed that since it is a composite contract, issuance of Virtual completion certificate will be problem. SPCPL informed NITR that as per contract architect / NITR can issue virtual completion certificate for the completed structures. SPCPL also informed that when other structures are in use of NITR since long time and decision crack portion of Golden Jubilee Building is pending more than 3 years, then why SPCPL will suffer without any fault of SPCPL. NITR replied that not only SPCPL, they are also suffering due to the problem of Infom Architect and already they have issued strong letter to Infom architect and pressurised to participate in this meeting. SPCPL informed that there is no ground of taking extension of time for the contract. NITR advised SPCPL to take time extension for crack portion and they will give decision on 26th June through Infom Architect regarding retrofitting work of crack portion of Golden Jubilee Building. SPCPL will revert back but requested NITR to issue virtual completion certificate of all other structures.	NITR
2	Cracks on beam / slab soffit	SPCPL stressed on early solution of crack issue which was prolonged since last three years. SPCPL indicated as per earlier report (verbal) from external agencies design in-adequacy is the reason for such cracks. However, NITR was not willing to take over building prior to proper treatment of cracks. NITR advised Infom architect to submit <u>the solution of cracks by 25th June and ensure structural stability and safety.</u> NITR will decide the matter during 26th June meeting.	NITR
3	Issue of Virtual Completion certificate by Architects to NITR	M/s Arch & Design and M/s Mukesh Associates already submitted the completion certificate to NITR for the following structures: M/s Arch & Design : Lecture Hall Complex, Mechanical Science Building, Faculty Residence (2BHK and 3 BHK). M/sMukesh Associates: 1000 Bedded Boys Hostel.	Architects
4	Lift Facia	NITR confirmed that they will install lift of Golden Jubilee Building within 5-6 days ie within 29th June and clearance will be given to SPCPL for execution of lift facia which is under hold since long time.	NITR
5	Next Meeting	Next meeting was agreed by all on 26th of June 2019 at NITR office to review all above.	All

Signature of SPCPL

(Signature)
 (S. Ghosh)

Signature of Architects

For Infom Architect
(Signature)
 For Arch & Design

Signature of NITR

(Signature)
 Jyesh Bera

(Signature)
 C. Patra

(Signature)
 S. Bera

(Signature)
 P. Das

(Signature)
 Joydeep Mondal

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राष्ट्रीय प्रौद्योगिकी संस्थान

NATIONAL INSTITUTE OF TECHNOLOGY

राउरकेला ROURKELA- 769008, ओडिशा ODISHA

250415-2931

Annexure – A10



RIGHT TO
INFORMATION

No. NITR/RG/2025/L/0211

Date: 15.04.2025

To

The Divisional Forest Officer (DFO),
Office of the Divisional Forest Officer cum Wildlife Warden,
Rourkela Forest Division,
Raghunathpali, Rourkela,
Odisha – 769004.

Email: dfo.rourkela@odisha.gov.in

Subject: Estimate for urban plantation regarding felling of 520 nos. of trees – reg.

Ref.: DFO Letter No. 3818/3F (Lease) 87/2024, Dated 10.03.2025.

Dear Sir,

With reference to your above cited letter, this is for your kind information that the required amount of Rs. 1,56,00,000/- (Rupees one crore fifty-six lakh only) has been deposited in favor of the DFO, Rourkela on **07.04.2025**. The UTR No. of the transaction is **SBINR52025040781482462**.

You are requested to kindly provide the necessary approval so the work at the Kendriya Vidyalaya site can commence without further delay.

Thanking you,


REGISTRAR

Copy to:

राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
National Institute of Technology, Rourkela

1. Dean (PD), NIT Rourkela – for kind information.
2. Head (EM), NIT Rourkela – for kind information.
3. SE, CPWD Rourkela – for kind information.
4. EE, CPWD Rourkela – for kind information.
5. PS to the Director / AR (ES-II & RG).



ବନଶସ୍ତ୍ର ଅଧିକାରୀ ତଥା ବନ୍ୟପ୍ରାଣୀ ତତ୍ତ୍ୱାବଧାରକଙ୍କ କାର୍ଯ୍ୟାଳୟ, ରାଉରକେଲା

OFFICE OF THE DIVISIONAL FOREST OFFICER CUM WILDLIFE WARDEN
ROURKELA FOREST DIVISION, ROURKELA, SUNDARGARH, ODISHA

Phone No. 0661-2664637, Fax No. 0661-2664638, e mail- dfo.rourkela@odisha.gov.in

Letter No 3818 /3F (Lease) 87/2024- Dt 10.03.2025

To

Prof. Rohan Dhiman,
Registrar National Institute of Rourkela,
Odisha.

Sub:- Estimate for Urban Plantation of regarding felling of 520 nos. of trees.

Ref:- Your application dtd.05.11.2024.

Sir,

With reference to the subject cited above, it is to inform you that **520 nos.** of trees are standing on the Plot No. i.e.155 & 156, Khata No.25/24 of village:-RTU-30 A, Kendriya Vidyalaya (KV) inside NIT, Rourkela, PS-Sector-3, Dist.-Sundargarh as applied by you for construction of project. You are hereby requested to plant **5200 nos.** of plants in 1:10 ratio either in the periphery of project area in your campus or within the jurisdiction of Rourkela Forest Division for removal of 520 nos. of trees from the aforesaid location which are meant for construction of project. If the user agency is not able to execute the plantation, he shall deposit the plantation cost amounting to **Rs.1,56,00,000/-** (Rupees One Crore Fifty Six Lakh) only in favour of DFO, Rourkela **IDBI Bank vide Account No.0240104000158312, IFSC No. IBKL0000240.** The cost norm for plantation of 5200 nos. of plants is attached herewith for your reference. Before issue of felling order the amount should be deposited in favour of Divisional Forest Officer, Rourkela Forest Division.

Yours faithfully,

Copy to AJY Section:-

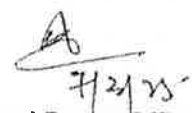

Divisional Forest Officer,
Rourkela Forest Division.

Abstract (Showing Plantation cost per plant)

Item of work	No of Mandays	Labour Cost (Rs.452)	Material Cost (Rs.)	MELD & other Contingency 5% (4+5)	Seedling cost (Rs.)	Gabion Cost (Rs.)	Total Cost (Rs.)	Cost per plant (Rs.)
2	3	4	5	6	7	8	9	10
1st Year	266	120232	110350	11529	74657	1680000	1996768	1996.7681
2nd Year maintenance	245	110740	73325	9203.25	6787	52000	252055	252.05525
3rd Year maintenance	206	93112	1500	4730.6	0	52000	151343	151.3426
Total:-	717	324084	185175	25463	81444	1784000	2400166	2400.17
Add- Escalation 20% (Accommodate future cost increase)								480.03
Add- Establishment Charge 5%								120.01
G.Total:-								3000.21
Rounded Off								


Total cost for 5200 nos. of plants @3000/-plant=Rs.1,56,00,000/-
(Rupees One Crore Fifty Six Lakh) only


Asst. Conservator of Forests
& Rourkela Forest Division


Divisional Forest Officer
& Rourkela Forest Division

Annexure – A11

Speed Post /E-mail

भारत सरकार कार्यपालक अभियन्ता III का कार्यालय केन्द्रीय लोक निर्माण विभाग भुवनेश्वर – 751012 टेलिकैक्स सं-0674-2563580	 CPWD	GOVERNMENT OF INDIA OFFICE OF THE EXECUTIVE ENGINEER BHUBANESWAR III (Former BCD-III), UNIT-VIII, NAYAPALLI, BHUBANESWAR -751012, TELEPHONE NO: 0674-2563580 FAX NO: 0674-2563584
---	---	---

No. 54(252)/EE BBSR-III/2025/ 281

Date: 07.04.2025

To,

The Registrar,
National Institute of Technology,
Rourkela – 769008,
Odisha.(Email: registrar@nitrrkl.ac.in)

Sub:- Demand of Fund for the work :- Construction of Academic Building of NIT Rourkela at Bhubaneswar.

Ref: Your mail dated 24.03.2025.

Sir,

With reference to above cited subject and your mail dated 24.03.2025 wherein you have asked clarification about demanding of fund. In this regard it is to inform that the GST will be calculated on the balance amount of work after the date of implementation of increased GST.

In addition to the above it is to intimate that we have paid only Rs.3,10,30,346 to the agency before implementation of increased GST. Hence, GST differential will be calculated as under:-

- (1) Amount applicable rate of GST @ 18% in place of 12% will be = $19,93,70,980 - 3,10,30,346$
= $16,83,40,634 \times 1.0633 = 17,89,96,596$ [1.0633 multiplying factor as per OM dated 10.08.2022
(copy enclosed).

Therefore difference amount = $17,89,96,596 - 16,83,40,634 = 1,06,55,962$ (A)

- (2) Amount of BMC charge which was paid by this office as per your request letter for Rs.
25,89,290 (B)

Therefore it is requested to deposit Rs.1,32,45,252 in favour of "Executive Engineer, Bhubaneswar Central Division No.-III, CPWD, Bhubaneswar through RTGS (Mandate Form) attached at the earliest please for smooth functioning of the work.

It is also mentioned that work is nearing completion stage and due to paucity of fund work progress may further hamper hence it is requested to kindly release the fund within two weeks time so that pace of work could be maintained and building can be made fully functional in all respect.

Encl : As stated above.

Yours faithfully

Executive Engineer
Bhubaneswar III, CPWD

Copy to:-

1. The Assistant Engineer-Mundali, for information please.

Executive Engineer

-94-



भारत सरकार

केंद्रीय लोक निर्माण विभाग

कच्चीकरी अनुप्रयोग एवं मानक एकाई

कमल रोड 418 ए-विंग, निर्माण भवन, नई दिल्ली।

दूरभाष-011-23007339 ईमेल-delhi@casestd.gov.in

संख्या: 158/SE(TAS)/GST/2022/331-हो

दिनांक: 10/08/2022

कार्यालय ज्ञापन

(No SE/TAS/GST/20)

Sub: Increase in GST rate of Works Contracts for Central Government, State Government, Union Territory and a Local Authority.

1. The Government of India, Ministry of Finance (Department of Revenue) vide Notification No. 03/2022- Central Tax (Rate) dated 13 July, 2022 has made amendments to notification No. 11/2017-Central Tax (Rate) dated 28.06.2017 by omitting entries against serial number 3, in column (3) (a) items (iii), (iv), (v), (vi), (vii) and (ix) and the corresponding entries relating thereto in column (4) and (5) in the original notification No. 11/2017-Central Tax (Rate) dated 28.06.2017 thereby the existing concessional rate of GST@12% for Central Government, State Government, Union Territory and a Local Authority has been withdrawn and now the applicable rate of GST is 9 (CGST) + 9 (SGST) = 18% on construction services covered under S. No.3 (i-f) at page No. 6 and under S. No 3 (xii) at page No. 15 of Notification No.11/2017-Central Tax (Rate) dt 28 June, 2017 for Central Govt., State Govt., Union Territory and a Local Authority with effect from 18th July, 2022

2. The Delhi Schedule of rates 2021 was formulated with the concessional GST rate of 12% applicable for works provided to Central Government, State Government, Union Territory, a local authority, Governmental Authority or a Governmental Entity.

3. Now the revised rate of GST @ 18% is applicable on works contract for Central Government, State Government, Union Territory, a local authority, Governmental Authority or a Governmental Entity. Hence, a multiplying factor of 1.0533 on the estimated amount worked out based on PAR 2021/DSR 2021 shall be applicable for working out the amount of Preliminary Estimate and Detailed Estimate with effect from 18th July 2022. The calculation table is as under.

Multiplying factor Calculation Table			
A. Calculation detail when applicable rate of GST was 12% in DSR 2021			
1	Bare rate (without GST) of material, Labour, Sundries, PCL and T&P etc.	A	
2	Add 1% water charges on "A"	0.01A	
3	Sum after adding water charges @ 1% on "A"	1.01A	
4	12% GST on works contract by reverse calculation method (multiplying factor 0.1405)	0.1419A	May refer OM No. SE/TAS/GST/07 dt 03.11.2017
5	Sum after adding GST	1.1519A	
6	15% CP & OH on "1.1519A"	0.1728A	
7	Sum after adding 15% CP & OH	1.3247A	
8	Labour cess @ 1% on "1.3247A"	0.0132A	
9	Gross Total after adding 1% labour cess, Total (X1) is	1.3379A	

(B) Calculation detail when 18% GST is applicable w.e.f. 1 st July 2022			
1.	Bare rate (without GST) of material Labour, Sundries, PCL and T&P etc.	A	
2.	Add 1% water charges on "W"	0.01A	
3.	Sum after adding water charges @ 1% on "W"	1.01A	
4.	18% GST on works contract by reverse calculation method (multiplying factor 0.2127)	0.2148A	May refer OM No. SE/TAS/GST/16 dt 28.05.2018
5.	Sum after adding GST	1.2248A	
6.	15% CP & OH on "1.2248A"	0.1837A	
7.	Sum after adding 15% CP & OH	1.4085A	
8.	Labour cess @ 1% on "1.4085A"	0.0141A	
9.	Gross Total after adding 1% labour cess. Total (W2) =	1.4226A	
Hence, Multiplying Factor = 1.4226A / 1.3379A = 1.0633			

Illustration :

If the estimated cost of P/E or D/E worked out based on PAR 2021 or DSR-2021 = W

Hence, amount of P/E and D/E with applicable rate of GST @ 18%
in place of 12% = $W \times 1.0633 = 1.0633 W$

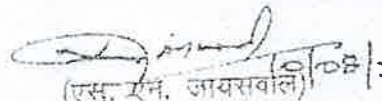
Add applicable cost index (BCI) of the station, say 10% = $0.10633 W$
Grand Total = $1.16963 W$

The estimated cost put to tender in the NIT shall be worked out in the above manner combining with the cost of non-schedule items if any, worked out on market rate per OM No. SE/TAS/GST/16 dt 28.05.2018. (Copy enclosed)

The revised P/E may be sent to client department in case A/A& E/S is not received. The revised P/E may also be sent to client department for additional liability on account of GST for remaining work beyond 17th July 2022 where works are progress.

This issue with the approval of competent authority.

Incl. As above


(एस. एस. जायसवाल)
कार्यपालक अभियन्ता (टारा)
सी.एस.क्यू. कैलो.नि.वि., नई दिल्ली

Issued from E-file No. 9137648)

कैलो.नि.वि. वेबसाइट के द्वारा)

सी. विभाग महानिदेशक/अपर महानिदेशक / मुख्य परियोजना प्रबन्धक/मुख्य निष्पन्न/परियोजना प्रबन्धक/ अर्थिक अभियन्ता/कार्यपालक अभियन्ता को लो नो वि० तथा १० लो वि० दिल्ली के सभी अधिकारियों को सूचना एवं आवश्यक कार्यवाही हेतु।



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

FTS ID. 250409

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17 APR 2025

NIT, Rourkela

विभाग/Department/कार्यालय/Office :

सं०/No. : NITRKL/EM/2025/M/0365/574

विषय/Subject :

दिनांक/Date. 09/04/2025

NOTE SHEET

Sub: Vetting of the amount claimed by CPWD towards difference in GST amount for the work "Construction of Academic Building of NIT Rourkela at Bhubaneswar".

- Ref: (1) Letter No. 54(252)/EE-BBSR-III/2025/156 dated 20.02.2025 of EE- BBSR-III, CPWD.
(2) Email dated 25.02.2025 and 11.03.2025 of HOD (EM), NIT Rourkela.
(3) Letter No. 54(252)/EE-BBSR-III/2025/217 dated 13.03.2025 of EE- BBSR-III, CPWD.
(4) Email dated 24.03.2025 of HOD (EM), NIT Rourkela.
(5) Letter No. 54(252)/EE-BBSR-III/2025/281 dated 07.04.2025 of EE- BBSR-III, CPWD.

This is with reference to the CPWD's letter mentioned under reference-1 (copy enclosed). Initially, CPWD requested for a fund deposit of ₹1,45,51,549.00, comprising ₹1,19,62,259.00 towards differential GST arising from the revision of GST from 12% to 18%, and ₹25,89,290.00 towards BMC charges already paid by CPWD Bhubaneswar (EE- BBSR-III).

Subsequently, clarifications were sought from CPWD Bhubaneswar via emails of the HOD (EM), NIT Rourkela dated 25.02.2025 and 11.03.2025. In response, CPWD submitted a revised request through their letter dated 13.03.2025 (copy enclosed), increasing the total amount to ₹1,52,09,473.00, which included ₹1,26,20,183.00 towards GST differential amount and ₹25,89,290.00 towards BMC charges.

Further clarification was again sought via email dated 24.03.2025 of the HOD (EM)(copy enclosed) mentioning that increased GST should be calculated on the balance amount of work after the official date of implementation of increased GST, not on the total A/A & E/S amount. CPWD responded through their letter No. 54(252)/EE-BBSR-III/2025/281 dated 07.04.2025 and revised the requested deposit amount to ₹1,32,45,252.00. This includes ₹1,06,55,962.00 as the differential GST amount, in line with the implementation of Office Memorandum No. 158/SE(TAS)/GST/2022/331 dated 10.08.2022 (copy enclosed), and ₹25,89,290.00 towards BMC charges already incurred.



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA
NOTE SHEET



In view of the above, it is requested that the differential GST amount of ₹1,06,55,962.00 may be vetted before processing the payment to CPWD. Accordingly, it is proposed that the file be forwarded to the Nodal Officer (GST), NIT Rourkela, for necessary verification and confirmation.

Submitted for kind consideration and necessary action please.

Encl. : As stated.

Sr. EE
09.04.2025

SE & HOD (EM)
09/4/2025

Kind reference may be drawn to Nt1 and the comments may be perused accordingly.

Dean (PD) (through REGISTRAR)

CC: SR-GST file.

Dean (PD)

[Signature]
20/5/2025

(A) [Kindly help to ensure that the GST calculation provided by CPWD is appropriate.]

Registrar

[Signature]
15.04.25

As per notification No-03/2022 dated 13-07-2022 for increase in GST rate from 12% to 18% on construction service; with a multiplication factor of 1.0633 on balance work estimated. Please examine & intimate your observations as per (A) above.

AR (SR-I)

Kindly obtain the comment from Tax consultant.

MR SR

[Signature]
17/4/2025

[Signature]
20/5/2025

Please find the note marked
(A1) on the notesheet for your
kind perusal.

Dean/CPD



Head, EM

For your n.a. please
Pl. dis. ens.
Sm ER-II
handy
26/4/2025

P. K. S.
25/04/25



दूरभाष/Phone: 0661-2462021(O), 0661-2463780(R), मोबाइल/Mobile: +91 8594828323
फैक्स/Fax: 0661-2472926, ईमेल/E-Mail: registrar@nitrkl.ac.in (O), dhimanr@nitrkl.ac.in (P)
Website: www.nitrkl.ac.in



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA

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50429-4342

विभाग/Department/कार्यालय/Office :

EM (Civil)

सं०/No. : NITRKL/EM/2025/M/0403/630

दिनांक/Date: 29/04/2025

विषय/Subject :

NOTE SHEET

Sub: Approval for deposit of fund to CPWD for the work "Construction of Academic Building of NIT Rourkela at Bhubaneswar" towards increased GST and BMC charges.

- Ref: (1) Letter No. 54(252)/EE-BBSR-III/2025/156 dated 20.02.2025 of EE-BBSR-III, CPWD.
(2) Email dated 25.02.2025 and 11.03.2025 of HOD (EM), NIT Rourkela.
(3) Letter No. 54(252)/EE-BBSR-III/2025/217 dated 13.03.2025 of EE-BBSR-III, CPWD.
(4) Email dated 24.03.2025 of HOD (EM), NIT Rourkela.
(5) Letter No. 54(252)/EE-BBSR-III/2025/281 dated 07.04.2025 of EE-BBSR-III, CPWD.

This is with reference to the CPWD's letter mentioned under reference-1 (copy enclosed). Initially, CPWD requested for a fund deposit of ₹1,45,51,549.00, comprising ₹1,19,62,259.00 towards differential GST arising from the revision of GST from 12% to 18%, and ₹25,89,290.00 towards BMC charges already paid by CPWD Bhubaneswar (EE-BBSR-III).

Subsequently, clarifications were sought from CPWD Bhubaneswar via emails of the HOD (EM), NIT Rourkela dated 25.02.2025 and 11.03.2025. In response, CPWD submitted a revised request through their letter dated 13.03.2025 (copy enclosed), increasing the total amount to ₹1,52,09,473.00, which included ₹1,26,20,183.00 towards GST differential amount and ₹25,89,290.00 towards BMC charges.

Further clarification was again sought via email dated 24.03.2025 of the HOD (EM) (copy enclosed) mentioning that increased GST should be calculated on the balance amount of work after the official date of implementation of increased GST, not on the total A/A & E/S amount. CPWD responded through their letter No. 54(252)/EE-BBSR-III/2025/281 dated 07.04.2025 and revised the requested deposit amount to ₹1,32,45,252.00. This includes ₹1,06,55,962.00 as the differential GST amount, in line with the implementation of Office Memorandum No. 158/SE(TAS)/GST/2022/331 dated 10.08.2022 (copy enclosed), and ₹25,89,290.00 towards BMC charges already incurred.



राष्ट्रीय प्रौद्योगिकी संस्थान, राउरकेला
NATIONAL INSTITUTE OF TECHNOLOGY, ROURKELA
NOTE SHEET

Accordingly, vetting of the Nodal Officer (GST), NIT Rourkela towards the differential GST amount of ₹1,06,55,962.00 was done before processing the payment to CPWD (copy enclosed).

In view of the above, approval of the Competent Authority of the Institute is requested for deposit of ₹1,32,45,252.00 to CPWD for "Construction of Academic Building of NIT Rourkela at Bhubaneswar" as per the CPWD's letter under reference, so that pace of work could be maintained and building can be made fully functional within the targeted completion date in all respect. Since the demand of fund of ₹1,32,45,252.00 pertains to statutory payments, it is proposed that the payment may be processed accordingly by F&A Section. The matter will be reported in the next Building and Works Committee (BWC) meeting.

Submitted for kind approval please.

Encl.: As stated.

[Signature]
Sr. EE 29.04.2025

[Signature]
SE & HOD (EM) 29/4/2025

Dean (PD)

I recommend the proposal (A) for your approval.

[Signature]
29.04.2025

DIRECTOR(I/C)

approved
[Signature]
30.04.2025

Requested to Accounts Process to make Payment to CPWD, Bhubaneswar.

Registrar

[Signature]
01/5/2025
-101-