



मोतीलाल नेहरू राष्ट्रीय प्रौद्योगिकी संस्थान इलाहाबाद
इलाहाबाद-२११००४ [भारत]
Motilal Nehru National Institute of Technology Allahabad
Allahabad-211004 [India]
Website: <http://www.mnnit.ac.in>

Minutes of the Twenty-third [23rd] meeting of the Building and Works Committee held on 18.09.2015 at 11.00 AM in the Room No. 116, Conference Hall, Motilal Nehru National Institute of Technology Allahabad, Allahabad-211004.

Following members of the Building and Works Committee attended the meeting:

1. Prof. P. Chakrabarti Chairman
Director
Motilal Nehru National Institute of Technology Allahabad,
Allahabad – 211004 [INDIA]
2. Shri R. S. Solanki Member
Representative of Director (NITs)
Department of Higher Education,
Ministry of HRD,
Shastri Bhawan, New Delhi-110001 [India]
3. Prof. Vinod Yadava Member
Dean (Planning & Development)
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004 [India]
4. Shri B.K. Kashyap Member
Representative of Director (Finance)
IFD, Ministry of Human Resource Development
Government of India, New Delhi - 110001 [India]
5. Shri Rajeev Garg Member
Superintending Engineer
Indian Institute of Technology Kanpur,
Kanpur -208002, U.P. [India]
6. Mr. Satendra Singh Member
Superintending Engineer,
[Chief Engineer Zone Air force]
MES Bamrauli Allahabad
Allahabad- 211004 [India]
7. Col. Sanjiv Banarjee (Rtd.) Member Secretary
Registrar
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004 [India]

Special Invitees:

1. Prof. A.K. Sachan
Chairman [CWM & ESWM]
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004
2. Prof. R.C. Vaishya
Faculty In-charge [Civil]
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004
3. Dr. Nand Kishore
Faculty In-charge [Electrical]
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004
4. Dr. Soumya Ranjan Mohanty
Faculty In-charge [Electrical]
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004
5. Dr. Ramesh Pandey
Faculty In-Charge [Civil]
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004
6. Dr. Mohd. Siraj Alam
Faculty In-charge [Services]
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004
7. Dr. Varun Singh
Faculty In-Charge [Civil]
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004
8. Dr. Yogendra K. Prajapati
Faculty In-charge [Electrical]
Motilal Nehru National Institute of Technology Allahabad
Allahabad- 211004



Item No. 23.01 : **[A]** To Confirm the minutes of the Twenty second [22nd] meeting of the Building and Works Committee of MNNIT Allahabad held on 13-10-2014 at MNNIT Allahabad.

[B] To confirm the minutes of the Seventh [7th] Emergent meeting of the Building and Works Committee of MNNIT, Allahabad held on 18-02-2015 at MNNIT Allahabad

Resolution : **[A]** The Building and Works Committee confirmed the minutes of its Twenty-second [22nd] meeting held on 13-10-2014, as circulated.

[B] The Building and Works Committee confirmed the minutes of its Seventh [7th] Emergent meeting held on 18-02-2015 as circulated.

Item No. 23.02 : **[A]** To report the action taken on the minutes of the Twenty second [22nd] meeting of the Building and Works Committee of MNNIT, Allahabad held on 13-10-2014 at MNNIT, Allahabad.

[B] To report the action taken on the minutes of the Seventh [7th] Emergent meeting of the Building and Works Committee of MNNIT, Allahabad held on 18-02-2015 at MNNIT, Allahabad.

Resolution : **[A]** The Building and Works Committee noted the action taken by the Institute on the decision in its Twenty-second [22nd] meeting held on 13-10-2015 at Motilal Nehru National Institute of Technology Allahabad, as circulated.

[B] The Building and Works Committee noted the action taken by the Institute on the decision taken in its Seventh [7th] Emergent meeting held on 18-02-2015 at Motilal Nehru National Institute of Technology Allahabad, as circulated.

Item No. 23.03 : **To consider the recommendation of Committee constituted by Building and Works Committee to examine /assess the Conceptual Design & Preliminary estimate as submitted by M/s Mukesh & Associate the Consultant Architect of the Institute of the following Institute Building and award the works to M/S RITES Ltd. or CPWD Allahabad.**



- (a) Construction of Lecture hall complex.
- (b) Construction of Faculty Apartment.
- (c) Construction of International House, C-Block.
- (d) Extension of First floor of Academic building.
- (e) Extension of Hostel [Patel, Tilak, Malviya & Tandon].
- (f) Dean Academic Block & CIR Lab (Additional Proposed First Floor CIR Block Only).

Resolution : The Building and Works Committee referred to the recommendations of the committee to examine /assess the Conceptual Design & Preliminary estimate of the following proposed Buildings.

- (a) Construction of Lecture hall complex.
- (b) Construction of Faculty Apartment.
- (c) Construction of International House, C-Block.
- (d) Extension of First floor of Academic building.
- (e) Extension of Hostel [Patel, Tilak, Malviya & Tandon].
- (f) Dean Academic Block & CIR Lab (Additional Proposed First Floor CIR Block Only).

The Building and Works Committee suggested that Consultant Architect (M/S Mukesh & Associates) should be requested to make himself available for presentation in the next Building and Works Committee meeting with the following details & specifications for giving clarity about the proposals.

- (i) Air Conditioning system
- (ii) HVAC system
- (iii) Elevators
- (iv) Wi-Fi & Video conferencing
- (v) IT & Communication Networking
- (vi) Equipment for Interactive seminar hall
- (vii) Provision for Furnitures – (Movable)
- (viii) Provision for Public address system
- (ix) Provision for Access control system for security



- (x) Provision for Interactive board, Audio System & Projectors etc.
- (xi) Provision for Storage water cooler
- (xii) Telephone exchange / Voice cable system / Data & video connectivity / Video conferencing etc.
- (xiii) Internal Signage
- (xiv) Provision for Picture frame work, artifacts & accessories
- (xv) Provision for solar water heater

It was also observed that these projects cannot be taken up at present due to non-availability of funds from MHRD. It can be initiated only after getting funds from MHRD. In this regard the consultant Architect should also be informed. A letter may be sent to Architect informing him not to proceed further for any of the work till the funds are received for this purpose.

Item No. 23.04 : To consider the estimate of ₹ 1,00,63,000/- for construction of New Drain for Diversion of existing Nullah in layout of New Boy's Hostel.

Resolution : The Building and Works Committee considered the detailed estimate of ₹ 1,00,63,000/- for construction of New Drain for Diversion of existing Nullah in layout of New Boy's Hostel and recommended the same.

Item No. 23.05 : To consider the final Tender cost of ₹ 34,29,562.00 for Supply, Installation, Testing and Commissioning [SITC] of essential panel for 6x250 KVA DG set.

Resolution : The Building and Works Committee considered the tender cost of ₹ 34,29,562.00 for Supply, Installation, Testing and Commissioning [SITC] of essential panel for 6x250 KVA DG set and recommended the same.

Item No. 23.06 : To consider the revised estimate of underground 33 KV HT cable connection from 33/11 KVA New MES substation (Mazar) to 33 KV substation MNNIT Allahabad and award the work to M/S RITES ltd.

Resolution : The Building and Works Committee considered the revised estimate of ₹ 2.38 crore of underground 33 KV HT cable connection from 33/11 KVA New MES substation (Mazar) to 33 KV substation MNNIT Allahabad. The work was



approved in 21st Building and Works Committee held on 26-07-2013 for an amount ₹ 1.54 crore as estimated by the ESWM of the Institute but at that time the work was not awarded to any agency. In light of the recommendation of Building and Works Committee in its emergent meeting held on 20-12-2012 and subsequent approval of BOG Resolution No. 31.04 (b) the Institute requested Executive Engineer (Electrical) CPWD of Allahabad division regarding execution of the work, but no reply was received from CPWD.

Subsequently a letter was send to M/S RITES for submission of estimate for the work and they have submitted an estimate of ₹ 2.38 crore. A comparative chart is attached herewith as **ANNEXURE-I** showing the reasons for increase in the estimate.

Item No. 23.07 : **To consider the estimate of Rewiring of A-type, B-type, C-type, D-type residences in Colony Campus and award the works to M/S RITES ltd. or CPWD Allahabad.**

Resolution : The Building and Works Committee considered the estimate of Rewiring of A-type, B-type, C-type, D-type residences in Colony Campus and recommended that the work may be given to CPWD, Allahabad division.

Item No. 23.08 : **To consider the nomination of a representative from MNNIT in the Project Monitoring Committee for additional infrastructure at STPI Centre in MNNIT, Allahabad.**

Resolution : The Building and Works Committee considered the nomination of a representative from MNNIT Allahabad in the project monitoring Committee for additional infrastructure at STPI centre in MNNIT Allahabad. The Building and Works Committee authorised to the Director, MNNIT Allahabad for nominating a representative for this purpose.

Item No. 23.09 : **Any other Items with the permission of the Chair**
(i) To consider the Geotechnical investigation for the forthcoming building of Boys Hostel and drain in Institute.



- (ii) To consider the Preliminary estimate for Construction of C.C. road and drainage systems etc. Industrial Estate campus.
- (iii) To consider the Construction of widening of road under Railway track to join the Hostel and Academic Campus.

Confidential

Resolution

- (i) The Building and Works Committee turned down the above request in light of the decision already taken by the Institute in this regard because of conflict of interest.
- (ii) The Building and Works Committee considered the Preliminary estimate prepared by CWM Section of ₹ 1.05 crore for construction of C.C. road & drainage system etc. in Industrial Estate Campus of MNNIT Allahabad and recommended that the work may be awarded to CPWD Allahabad Division. The expenditure required for the purpose will be utilized from the funds of Industrial Estate.
- (iii) The Building and Works Committee considered the progress of work for Construction of widening of road Under Railway track to join the Hostel and Academic Campus and recommended that Institute Civil Works and Maintenance (CWM) Division should pursue and monitor the work progress timely in coordination with Railway Office of Lucknow Zone.

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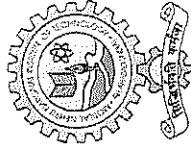
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The meeting ended with thanks to the Chair.

Approved


[P. Chakrabarti]
Director/ Chairman


[Col. Sanjiv Banerjee (Retd.)]
Registrar/ Member Secretary



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Comparative statement of 33 KV HT Double cable 33/ 11 KV Mazar Substation to 33/11 KV MNNIT Substation

Sl. No.	Description of items	Unit	Estimate prepared by ESWM Section		M/s RITES, Limited, Gurgoan, Haryana.		Remark's
			Qty.	Rate (Rs.)	Qty.	Rate (Rs.)	
1	33 KV XLPE Cable X 300 SQ MM.	Mtr.	5000	1577.00	-	-	
2	Pole 11 mtr. Long.	No.	8	14638.00	-	-	
3	33 KV O/D HSTJ/KIT for XLPE.	No.	20	16000.00	-	-	
4	Straight Through Box.	No.	10	40000.00	-	-	
5	G.I. PIPE 6" dia with clamp, nut and bolt.	Mtr.	32	800.00	-	-	
6	Road cutting and restoration chares.	Mtr.	480	425.00	-	-	
7	33 KV XLPE cable 2 nos. laying charge, including cost of brick, sand ,stone, slab.	Mtr.	5000	600.00	4800	350.00	1680000.00
8	Holding clamps for pipe and cable box.	No.	40	500.00	-	-	
9	33 KV HT cable route marker.	No.	50	150.00	-	-	
10	Cost of cable hoisting and mounting of cable box on double pole.	No.	4	1000.00	-	-	

Sl. No.	Description of items	Unit	Estimate prepared by ESWM Section			M/s RITES, Limited, Gurgaon, Haryana.			Remark's
			Qty.	Rate (Rs.)	Amount (Rs.)	Qty.	Rate (Rs.)	Amount (Rs.)	
11	Cost of 33 KV jumpthing with insulated cable lead with lugs.	No.	10	1000.00	10000.00	-	-	-	
12	Erection of 11 mtr. Long pole for double pole.	No.	8	1000.00	8000.00	-	-	-	
13	M.S. Channel 100 X 50 mm.	Kg.	650	100.00	65000.00	-	-	-	
14	U' bolt for round pole.	No.	40	150.00	6000.00	-	-	-	
15	Service clamps for round pole.	Pair	20	250.00	5000.00	-	-	-	
16	Fabrication charges of double pole.	Job	4	2000.00	8000.00	-	-	-	
17	M.S. Earthing rod 20 mm. dia.	No.	8	480.00	3840.00	-	-	-	
18	G.I. Wire no.6.	Kg.	20	69.45	1389.00	-	-	-	
19	M.S. Nuts & bolt off size with washer.	Kg.	20	135.00	2700.00	-	-	-	
20	Supply 3 core 240 sq. mm. XLPE insulated PVC sheathed aluminium conductor armoured power cable of 33 KV (E) grade conforming to IS 7098 (Part II) 1985 with latest amendments.	RMT	-	-	-	5000	3200.00	16000000.00	
21	Laying above XPLE insulated PVC sheathed aluminium conductor power cable of 33 KV (E) grade in existing pipe/trench etc. As required.	RMT	-	-	-	200	100.00	20000.00	

Sl. No.	Description of items	Unit	Estimate prepared by ESWM Section			M/s RITES, Limited, Gurgaon, Haryana.			Remark's
			Qty.	Rate (Rs.)	Amount (Rs.)	Qty.	Rate (Rs.)	Amount (Rs.)	
22	Supplying and making straight through joint/end termination joint with heat shrink outdoor type jointing kit with accessories in 3 core 240 sq. Mm 33 KV (E) grade XLPE insulated, PVC sheathed aluminium conductor power cable as per details below.	No.	-	-	-	4	25000.00	100000.00	
a	End termination.	No.	-	-	-	10	50000.00	500000.00	
b	Straight through joints.	No.	-	-	-	200	1500.00	300000.00	
23	Supplying & laying of 150 mm dia. RCC of NP 2 grade below road making trench less opening for laying of HT cable as required.	RMT	-	-	-				
24	Supplying and fixing 100 mm dia. Cable route marker fitted on 33x 35 mm angle duly inscribed as HT cable along the route of cable at an average interval of 100 mtrs. In ground by grouting the same in cement concrete block as required.	No.	-	-	-	25	500.00	12500.00	
	Total				120,93,133.00			1,86,12,500.00	

Sl. No.	Description of items	Unit	Estimate prepared by ESWM Section			M/s RITES, Limited, Gurgoan, Haryana.			Remark's
			Qty.	Rate (Rs.)	Amount (Rs.)	Qty.	Rate (Rs.)	Amount (Rs.)	
	Cartage of material from Naini store to work site including & unloading charges 6 %.				725587.98			-	
	Total				1,28,18,720.98			1,86,12,500.00	
	U.P. State electricity board supervision fee @ 15 %.				-			27,91,875.00	
	Total				-			214,04,375.00	
	3% Contingency Charges.				3,84,561.63			6,42,131.25	
	Total				1,32,03,282.61			220,46,506.25	
	1.5% T&P Charges.				1,98,049.24			-	
	Total				1,34,01,331.85			220,46,506.25	
	15 % Supervision Charges.				20,10,199.78			-	
	RITES PMC Charges @ 8 %.				-			17,63,720.50	
	Grand Total (Rs.)				154,11,531.63			238,10,226.50	
	Say				154,11,532.00			238,10,227.00	

Remark:

- 1 The previous estimate in 2013 of under ground cable cost was Rs. 1577/- RMT i.e. 5000.00 RMT @ 1577/- = Rs. 78,85,000.00.
- 2 Similarly the estimate submitted by M/S RITES in 2015 of under ground cable (Havells, Polycap, Finecap etc.) cost Rs. 3200/- RMT i.e. 5000.00 RMT @ 3200/- = 1,60,00,000.00.
- 3 Thus clearly shows that the increase the estimated cost submitted by M/S RITES in 2015.

