

**भवन एवं निर्माण कार्य समिति की
बीसवीं बैठक का कार्यवृत्त
MINUTES OF THE 20th MEETING
OF THE BUILDING & WORKS COMMITTEE**

9th May 2008



**भारतीय प्रौद्योगिकी संस्थान रुड़की
रुड़की — २४७ ६६७ (भारत)**

**INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE - 247 667 (INDIA)**



भारतीय प्रौद्योगिकी संस्थान रुड़की

रुड़की-247 667, उत्तराखण्ड, भारत

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE-247 667, UTTARAKHAND, INDIA

Lt. Col A K Srivastava (Retd)
Registrar

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No. IITR/MS/20th B&WC/1876

Dated 10th May 2008

Subject: Recommendations (Minutes) of the 20th meeting of the Building and Works Committee held on 9th May 2008.

Enclosed herewith please find a copy of the recommendations (minutes) of the 20th meeting of the Building & Works Committee of this Institute held on 9th May 2008 for favour of information of the members and record. Members who attended the meeting are requested to kindly offer their comments, if any, within 15 days. If no comments are received, it will be presumed that they have no comments to offer and approve of the minutes as recorded.

Encl: as above.

Yours faithfully,

(A.K. Srivastava)

Lt. Col. (Retd.)

Registrar

& Member Secretary, B&WC

To,

1. Prof. S.C. Saxena
Director,
Indian Institute of Technology Roorkee
(Chairman)
2. Prof. H.K. Verma
Dy. Director
Indian Institute of Technology Roorkee
3. Prof. V.K. Gupta
Chairman, Estate & Works
Indian Institute of Technology Roorkee
4. Ms. Seema Raj
Director (T)
Department of Secondary & Higher Education
Govt. of India
Ministry of Human Resource Development
Shastri Bhawan, New Delhi 110 001

5. Er. B.B. Gupta
Chief Engineer,
C.P.W.D., Kendriya Bhawan
III Floor, Sector K, Aliganj
Near Purana Chauraha
Lucknow (U.P.)
6. Er. R.K. Singhal
Dy. G. M.,
Uttaranchal Power Corporation Ltd.,
Roorkee - 247 667
7. Prof. P.K. Jain
Department of Mechanical & Industrial Engg.
Indian Institute of Technology Roorkee
8. Prof. H.O. Gupta
Department of Electrical Engineering
Indian Institute of Technology Roorkee
9. Prof. M.N. Viladkar
Department of Civil Engineering
Indian Institute of Technology Roorkee
10. Er. Salek Chand
Institute Engineer
Indian Institute of Technology Roorkee
11. Prof. Surendra Kumar
Dean, Finance & Planning
Indian Institute of Technology Roorkee - Permanent Invitee
12. Lt. Col. (Retd) A.K. Srivastava
Registrar
Indian Institute of Technology Roorkee - Member Secretary

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE
ROORKEE 247 667



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INDIAN INSTITUTE OF TECHNOLOGY, ROORKEE
ROORKEE - 247 667

Minutes of the 20th Meeting of the Building & Works Committee held on 9th May 2008 at 12.00 Noon in the Board Room of the Institute.

The following were present:

- | | |
|---|---------------------|
| 1. Prof. S.C. Saxena, Director | - Chairman |
| 2. Prof. H.K. Verma, Dy. Director | - Member |
| 3. Prof. V.K. Gupta, Chairman (Estate & Works) | - Member |
| 4. Er. B.B. Gupta, Chief Engineer, CPWD, Lucknow | - Member |
| 5. Er. R.K. Singhal, Dy. G.M., UPCL, Roorkee | - Member |
| 6. Prof. H.O. Gupta, Electrical Engineering Department | - Member |
| 7. Prof. P.K. Jain, Mechanical & Indl. Engineering Deptt. | - Member |
| 8. Er. Salek Chand, Institute Engineer | - Member |
| 9. Prof. Surendra Kumar, Dean (Finance & Planning) | - Permanent Invitee |
| 10. Lt. Col. (Retd) A.K. Srivastava, Registrar | - Member Secretary |

A communication was received from Prof. M.N. Viladkar, Department of Civil Engineering for not attending the meeting.

The Chairman, Building & Works Committee (B&WC), welcomed the members to the 20th Meeting of the Committee.

Before taking up the agenda, the Committee thanked the under mentioned outgoing members and recorded its appreciation for their valuable contribution in the meetings of the B&WC.:

1. Er. O.P. Bhatia, Chief Engineer, C.P.W.D, Lucknow (U.P.)
2. Er. Naresh Kumar, Dy. G. M., UPCL, Roorkee

The Committee also welcomed the following new members and solicited their valuable contribution and active participation in its functioning:

1. Er. B.B. Gupta, Chief Engineer, C.P.W.D, Lucknow (U.P.)
2. Er. R.K. Singhal, Dy. G. M., UPCL, Roorkee

Deliberations:

All the items of the Agenda were discussed and the deliberations/ recommendations are summarized as under:

Item No. 20.1.0: To confirm the minutes of the 19th meeting of the Building & Works Committee held on 13th July 2007 .

Having received no comments, the minutes of the above meeting as recorded and circulated, were confirmed.

Item No. 20.2.0: To receive a report on the action taken to implement the decisions of the 19th meeting held on 13th July 2007.

Actions taken on the minutes of the 19th meeting of the Building & Works Committee held on 13th July 2007, as given on pages 2-3 of the agenda were noted.

Item No. 20.3.1: To consider the preliminary estimate for extension of Rajendra Bhawan Mess.

The B&WC considered the estimates submitted by the Institute Engineer for extension of the Rajendra Bhawan Mess and decided that the work be assigned to the U.P. Rajkiya Nirman Nigam Ltd. at an estimated cost of Rs.17.43 lacs (**Appendix 'A'**). The issue be placed before the Finance Committee/Board of Governors for according administrative approval and expenditure sanction.

Item No. 20.3.2: To consider the preliminary estimate for extension of Jawahar Bhawan Mess.

The B&WC considered the estimates submitted by the Institute Engineer for extension of the Jawahar Bhawan Mess and decided that the work be assigned to the U.P. Rajkiya Nirman Nigam at an estimated cost of Rs.9.75 lacs (**Appendix 'B'**). The issue be placed before the Finance Committee/Board of Governors for according administrative approval and expenditure sanction.

Item No. 20.3.3: To consider the preliminary estimate for construction of a new Boys Hostel at Saharanpur Campus.

The B&WC considered the estimates submitted by the Central Public Works Department (CPWD), U.P. Rajkiya Nirman Nigam Limited (UPRNN), and the National Buildings Construction Corporation Limited (NBCC) for the construction of a new Boys Hostel of approximately 400 seats capacity, at the Saharanpur Campus. The B&WC decided that the estimates be obtained again from all the three agencies on the basis of identical specifications. The Director (Chairman, B&WC) be authorized to approve the appropriate estimate on behalf of the B&WC. The issue be placed before the Finance Committee/Board of Governors for according administrative approval and expenditure sanction.

Item No. 20.3.4: To consider the preliminary estimate for construction of a new Girls Hostel at the Roorkee Campus.

Same as for item No. 20.3.3.

Item No. 20.3.5: To consider the preliminary estimate for extension of Institute Instrumentation Centre.

The B&WC considered the estimate submitted by the U.P. Rajkiya Nirman Nigam for extension of the building of the Institute Instrumentation Centre for installation of the Macromolecular Crystallographic Unit (MCU) and decided that the work be assigned to the U.P. Rajkiya Nirman Nigam Limited at an estimated cost of Rs.40.36 lacs (**Appendix 'C'**). The issue be placed before the Finance Committee/Board of Governors for according administrative approval and expenditure sanction.

Item No. 20.3.6: To consider the preliminary estimate for extension of remaining portion of the First Floor of the Continuing Education Centre's Office.

The B&WC considered the estimate submitted by the U.P. Rajkiya Nirman Nigam Limited for extension of the remaining portion of first floor of the Continuing Education Centre's Office and decided that the work be assigned to the U.P. Rajkiya Nirman Nigam Limited at an estimated cost of Rs.27.17 lacs (**Appendix 'D'**). The issue be placed before the Finance Committee/Board of Governors for according administrative approval and expenditure sanction.

Item No. 20.3.7: To consider the preliminary estimate for the extension of the building for Training & Placement Cell.

The B&WC considered the estimate submitted by the U.P. Rajkiya Nirman Nigam for extension of the building for Training & Placement Cell and decided that the work be assigned to the U.P. Rajkiya Nirman Nigam Limited at an estimated cost of Rs.52.00 lacs (**Appendix 'E'**). The issue be placed before the Finance Committee/Board of Governors for according administrative approval and expenditure sanction.

Item No. 20.3.8: To consider the preliminary estimate for construction of a new sub-station near Ganga Bhawan.

The B&WC considered the estimate submitted by the Institute Engineer for construction of a new sub-station near Ganga Bhawan and decided that the estimate of Rs.68.00 lacs for the said work be accepted (**Appendix 'F'**) and the work be assigned to an agency on turnkey basis. The issue be placed before the Finance Committee/Board of Governors for according administrative approval and expenditure sanction.

Item No. 20.3.9: To consider the demolition of 65 old dilapidated unsafe 'D' category residences No.147/22 to 147/31, 147/54 to 147/67 & 147/83 to 147/123 Vikas Nagar in 'D' Colony.

After discussion, the Committee decided that since the said residences are more than 75 years old, the demolition of these 65 old dilapidated unsafe 'D' category residences No.147/22 to 147/31, 147/54 to 147/67 & 147/83 to 147/123 Vikas Nagar in 'D' Colony be recommended for placing before the Board of Governors.

Item No.20.3.10: To consider the extension of Cautley Bhawan (160 seats).

The B&WC considered the estimates submitted by the Central Public Works Department (CPWD) and the U.P. Rajkiya Nirman Nigam Limited for extension of the Cautley Bhawan (160 seats) and decided that the work be assigned to the U.P. Rajkiya Nirman Nigam Limited at an estimated cost of Rs.295.44 lacs **(Appendix 'G')**. The issue be placed before the Finance Committee/ Board of Governors for according administrative approval and expenditure sanction.

The meeting ended with a vote of thanks to the Chair.

Item No. 20.3.9. To consider the desirability of 15 and 16th
wards. It was decided to refer the matter to the
1971/72. 1971/72 to 1971/72 & 1971/72 to 1971/72
Vice Mayor in 1971/72.

After discussion the Committee decided that
since the said residents are not more than 15 years old
the removal of these 15 and 16th wards from the
1971/72. 1971/72 to 1971/72 & 1971/72 to 1971/72
1971/72 & 1971/72 to 1971/72 Vice Mayor in 1971/72
Council be recommended for the year 1971/72
of Governors.

Item No. 20.3.10. To consider the extension of Council's (100
seats).

The B&W Council considered the estimate submitted
by the Central Public Works Department (CPWD) and
the U.P. Railway Station (U.P. Railway Station) for extension
of the Council's (100 seats) and decided that
the work be assigned to the U.P. Railway Station
which is at an estimated cost of Rs. 300.00
(Appendix 'B'). The issue be placed before the
Committee. Board of Governors for sanctioning
administrative approval and expenditure sanction.

The meeting ended with a vote of thanks to the
Chair.

Preliminary Estimate for the extension of Rajendra Bhawan Mess

Sl. No.	Items of work	Plinth Area	Plinth Area Rates	Estimated Amount
1.	Extension of Rajendra Bhawan Mess	170.04 Sq.M.	@ Rs. 10,250.00	Rs. 17,42,910.00
			Total	Rs. 17,42,910.00
			Say	Rs. 17.43 lacs


J.E.(A)


A.E.E.-I


I.E.

Name of Work:- Construction of Extension of Rajendra Bhawan Mess at IIT, Roorkee

Analysis of rate

Ground Floor plinth area (per Square meter)

1.	Plinth area rate as per U.A.P.W.D. vide letter No. 369/55 Bhawan-2008 dated 12.3.2008	Rs. 6180.00
2.	Add Extra height for 0.30 M beyond 2.90 M height is 3.20 M 1 X 160.00 P M ²	Rs. 160.00
3.	Add for provision for R.C.C. Framed Structure @ 12% on amount Rs. 6180.00	Rs. 741.60
4.	Add Internal water supply & sewage system of work @ 12%	Rs. 741.60
5.	Add External water supply & sewage system of work @ 5%	Rs. 309.00
6.	Add Internal Electrification of work @ 12%	Rs. 741.60
7.	Add for Anti termite of work Treatment	Rs. 180.00
8.	Add for Earthquake Provision	Rs. 370.00
9.	Add for Power wiring 3%	Rs. 185.40
10.	Add for provision for Ceiling Fan @ 4%	Rs. 247.20
11.	Add for Contingencies 4%	Rs. 394.26

Rs. 10,250.66

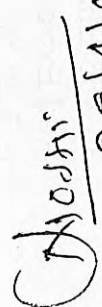
Say Rs. 10,250.00 per square meter


J.E.(A)


A.E.E.-I

Preliminary Estimate for the extension of Jawahar Bhawan Mess

Sl. No.	Items of work	Plinth Area	Plinth Area Rates	Estimated Amount
1.	Extension of Jawahar Bhawan Mess	95.15 Sq.M.	@ Rs. 10,250.00	Rs. 975350.30
			Total	Rs. 975350.30
			Say	Rs. 9.75 lacs


 A.E.(F) 23/4/08


 A.E.E.-III


 I.E.

Name of Work:- Construction of Extension of Jawahar Bhawan Mess at IIT, Roorkee

Analysis of rate

Ground Floor plinth area (per Square meter)

1.	Plinth area rate as per U.A.P.W.D. vide letter No. 369/55 Bhawan-2008 dated 12.3.2008	
2.	Add Extra height for 0.30 M beyond 2.90 M height is 3.20 M	Rs. 6180.00
3.	Add for provision for R.C.C. Framed Structure @ 12% on amount Rs. 6180.00	Rs. 160.00
4.	Add Internal water supply & sewage system of work @ 12%	Rs. 741.60
5.	Add External water supply & sewage system of work @ 5%	Rs. 741.60
6.	Add Internal Electrification of work @ 12%	Rs. 309.00
7.	Add for Anti termite of work Treatment	Rs. 741.60
8.	Add for Earthquake Provision	Rs. 180.00
9.	Add for Power wiring 3%	Rs. 370.00
10.	Add for provision for Ceiling Fan @ 4%	Rs. 185.40
11.	Add for Contingencies 4%	Rs. 247.20
		Rs. 394.26
		Rs. 10,250.66

Say Rs. 10,250.00 per square meter

Nishi
A.E.(F) 28/4/08

Del
28/4/08
A.E.E.-III



Appendix 'C'
Item No. B&WC/ 20.3.5

NAME OF WORK :- Construction for extension of I.S.C Building in campus
of I.I.T Roorkee in Distt Haridwar (U.A)

COST OF ESTIMATE :- Cost of Preliminary Estimate Rs 40.36 Lacs only

NAME OF UNIT :-

U.P.R.N.N.Ltd
Camp Office Ganga bhawan Hostel Block
I.I.T Roorkee Distt Haridwar (U.A)
Mob:- +91 9412231966

G.M Office:-
U.P Rajkiya Nirman Nigam Ltd
1st Floor E-34 Nehru Colony
Deharadun (U.A)

Head office :-
U.P Rajkiya Nirman Nigam Ltd
Vishwarya Bhawan Vibhuti Khand
Gomati Nagar Lucknow (U.P)

U.P. Rajya Gramin Vigyan Ltd. Kharakda Nagar, Dist. Haridwar (U.A.)

Name of work: Construction for extension of A.R.E. Building at
SIT Roorkee In Dist Haridwar (U.A.)

Plinth area Measurement

(A) Ground Floor Plinth area

Hall area	1 x 12.89 x 9.52	= 122.71 M ²
Wall offsets	3 x 1.90 x 0.230	= 1.31
	1 x 1.00 x 0.230	= 0.23

124.25 M²

(B) First Floor Plinth area

Quantity same as per G.F Plinth area Quantity 124.25 M²

(C) Second Floor Plinth area

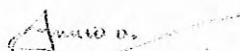
Quantity same as per First Floor Plinth area Quantity 124.25 M²

(D) Third Floor Plinth area

Stair case Mumty 4.60 x 2.40 = 11.04 M²

Grand Total Plinth area 383.79 M²


A.R.E.
U.P.R.N.N.Ltd


Unit In charge
U.P.R.N.N.Ltd

Name of work:- Construction of extension of LSC Building at HCT
Roorkhee in Distt Haridwar (U.A.)

(A) Ground Floor Plinth area (Per squaremetre)

(1) Plinth area rate as per U.A.P.W.D vide Letter No 369 / 55 Bhawan – 2008 dated 12-03-2008	Rs 6180.00
(2) Add Extra height for 0.30 M beyond 2.90M height is 3.20 M 1x160.00 PM ²	Rs 160.00
(3) Add for provision for R.C.C Framed Structure @ 12 % on amount Rs 6180.00	Rs 741.60
(4) Add Internal water supply & sewage system of work @ 12 %	Rs 741.60
(5) Add External water supply & sewage system of work @ 5 %	Rs 309.00
(6) Add Internal Electrification of work @ 12..00 %	Rs 741.60
(7) Add for Ant termite of work Treatment	Rs 180.00
(8) Add for earth quake Provision	Rs 370.00
(9) Add for Power wiring 3 %	Rs 185.40
(10) Add for provision for Ceiling Fan @ 4 %	Rs 247.20
(11) Add for Contingencies 4 %	Rs 394.26

Rs 10,250.66

Rate Rs 10,250.66 per square meter

A.R.E
U.P.R.N.N.Ltd

Unit In charge
U.P.R.N.N.Ltd

Analysis of rate

(B) First Floor Plinth area (Per squaremetre)

(1) Plinth area rate as per U.A.P.W.D vide Letter No 369 / 55 Bhawan – 2008 dated 12-03-2008	Rs 5560.00
(2) Add Extra height for 0.30 M beyond 2.90M height is 3.20 M 1x160.00 PM ²	Rs 160.00
(3) Add for provision for R.C.C Framed Structure @ 12 % on amount Rs 6180.00	Rs 667.20
(4) Add Internal water supply & sewage system of work @ 12 %	Rs 667.20
(5) Add External water supply & sewage system of work @ 5 %	Rs 278.00
(6) Add Internal Electrification of work @ 12..00 %	Rs 667.20
(7) Add for earth quake Provision	Rs 370.00
(8) Add for Power wiring 3 %	Rs 166.80
(9) Add for provision for Ceiling Fan @ 4 %	Rs 222.40
(10) Add for Contingencies 4 %	Rs 350.35

Rs 9109.15
Per Sqm

(C) Second Floor Plinth Area

(1) Plinth area rate as per U.A.P.W.D vide Letter No 369 / 55 Bhawan – 2008 dated 12-03-2008	Rs 6180.00
(2) Add Extra height for 0.30 M beyond 2.90M height is 3.20 M 1x160.00 PM ²	Rs 160.00
(3) Add for provision for R.C.C Framed Structure @ 12 % on amount Rs 6180.00	Rs 741.60
(4) Add Internal water supply & sewage system of work @ 12 %	Rs 741.60
(5) Add External water supply & sewage system of work @ 5 %	Rs 309.00
(6) Add Internal Electrification of work @ 12..00 %	Rs 741.60
(7) Add for earth quake Provision	Rs 370.00
(8) Add for Power wiring 3 %	Rs 185.40
(9) Add for provision for Ceiling Fan @ 4 %	Rs 247.20
(10) Add for Contingencies 4 %	Rs 387.06

Rs 10,063.46
Per Sqm

Name of work :- Construction of Extension of USIC Building in campus of U.P. R.N.N. Roorkee in District Haridwar (U.A.)

ABSTRACT OF COST OF USIC BUILDING

S.No	Particular of item	Plinth area	Rate	Amount
(1)	Cost for extension USIC Building			
(A)	Ground Floor Plinth area	124.25 M ²	Rs 10,250.66	Rs 12.74 Lacs
(B)	First Floor Plinth area	124.25 M ²	Rs 9,109.15.	Rs 11.32 Lacs
(C)	Second Floor Plinth area	124.25 M ²	Rs 10,063.46	Rs 12.50 Lacs
(D)	3 rd Floor Plinth Area	11.04 M ²	Rs 10,063.00.	Rs 1.11 Lacs
(2)	Add for Brick Coba Treatment of work	124.25 M ²	Rs 355.00	Rs 0.44 Lacs
(3)	Less 5 % due to U.P.R.N.N Ltd working		(--)	Rs 38.11 Lacs Rs 1.91 Lacs
(4)	Add 11.5 % U.P.R.N.N.Ltd Cent age Charges		(+)	Rs 36.20 Lacs Rs 4.16 Lacs
				Rs 40.36 Lacs

A.R.E
U.P.R.N.N.Ltd

Unit In charge
U.P.R.N.N.Ltd

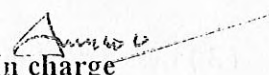
U.P. Rajya (Prasan) Nigam Ltd. Meerut-Marnagaur unit (U.A.)

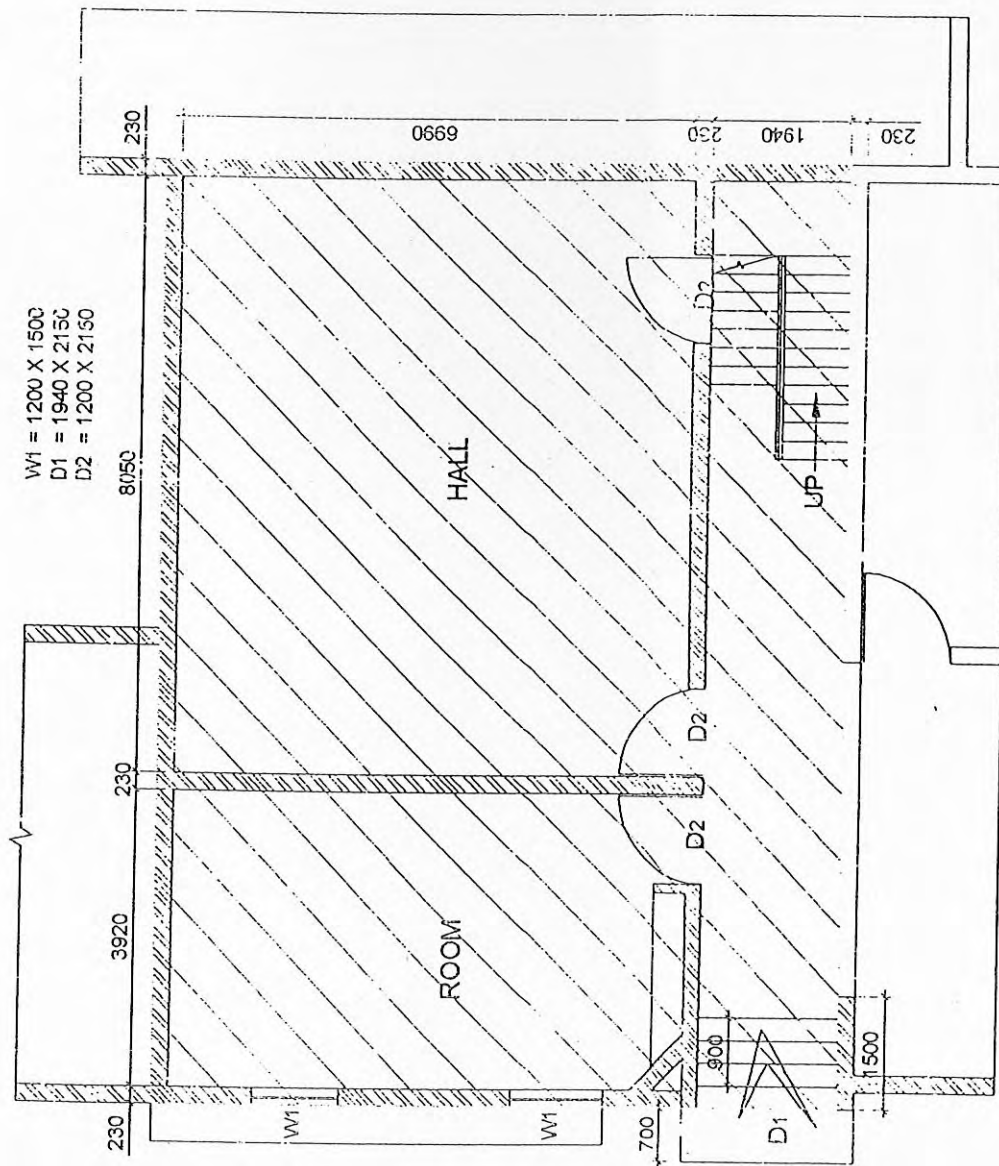
Name of work: Construction for extension of J.S.C Building at L.T.
Roorkee in District Haridwar (U.A.)

Summary of Cost

S.No	Particular of item	Amount (in Laes)
(1)	Cost for Extension of J.S.C Building	Rs40.36 Laes


A.R.E
U.P.R.N.N.Ltd


Unit In charge
U.P.R.N.N.Ltd



GROUND FLOOR PLAN

उत्तर प्रदेश राजकीय निर्माण निगम लिमिटेड

(राज्य सरकार का उपक्रम)

(ISO 9001:2000 CERTIFIED)



NAME OF WORK :- Construction for Extension of Continuing Education office Building in campus of I.I.T Roorkee in District Haridwar (U.A)

COST OF ESTIMATE :- Cost of Revised Estimate Rs 27.17 Lacs only

NAME OF UNIT :-

U.P.R.N.N.Ltd
Camp Office Ganga bhawan Hostel Block
I.I.T Roorkee Distt Haridwar (U.A)

G.M Office:-
U.P Rajkiya Nirman Nigam Ltd
1st Floor E-34 Neheru Colony
Deharudun (U.A)

Head office :-
U.P Rajkiya Nirman Nigam Ltd
Vishwarya Bhawan Vibhuti Khand
Gomati Nagar Lucknow (U.P)

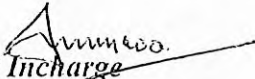
U.P.Rajkiya Nirman Nigam Ltd Muzaffar Nagar Unit MuzaffarNagar (U.P)

***Name of Work :--Construction for Extension of Continuing Education office
Building in campus of I.I.T Roorkee in District Haridwar (U.A)***

Analysis of Rate

(1) Basic Plinth area rates for Non Residential Building (Class - A)		
Buildings Framed structure Building		Rs 5880.00
(2) Add for Earth Quake Resistance		Rs 504.00
(3) Add For Internal water Supply & Sanitary work @ 6 %		Rs 352.80
(4) Add For Internal water Supply & Sanitary work @ 5 %		Rs 294.00
(5) Add for Internal Electrification work @ 12.5 %		Rs 735.00
(6) Add for Power Wiring 4.00 %		Rs235.00
(7) Add for Extra Ceiling height above 2.90 M		Rs252.00
(8) Add for Brick Coba Treatment @ 0.50 %		Rs29.40
(9) Add for Contingencies @ 5 .00%		Rs294.00
(10) Add For Internal site development @ 5 .00 %		Rs 428.00
		Rs 9005.20
(11) Less 5 .00 % Due to U.P.R.N.N.Ltd (---)		Rs 450.20
		Rs8555.00
(12) Add 11.5 % U.P.R.N.N Ltd Centage Charges (+)		Rs 983.80
		Rs 9538.80 P.Sqm


A.R.E
U.P.R.N./N.Ltd


Unit Incharge
U.P.R.N.n.Ltd

Name of work :--Construction for Extension of Continuing Education office
Building in campus of I.I.T Roorkee in District Haridwar (U.A)

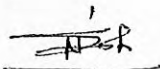
Plinth Area Measurement

First Floor Plinth Area Measurement

Faculty Room	1x14.10x3.96 = 55.84M ²
Toilets	1x2.00x1.73 = 3.46
---do---	1x5.96x3.46 = 20.62
	1x4.19x4.06 = 17.01
Committee Room	1x8.99x5.96 = 53.58
Pantry ,Steno, Director Room	1x10.92x8.46 = 92.38
Class Room	1x21.92x6.46 = 141.60
Stair Case	1x7.00x3.28 = 22.96
Entrance Hall	1x8.76x4.70 = 41.17
	1x6.10x2.00 = 12.20
	1x3.96x2.00 = 7.92
Corridor	2x1/2x14.00x2.00 = 28.00
	1x1/2x14.50x2.00 = 14.50
	1x1/2x10.20x2.30 = 11.73

	587.51 M ²
Deduct Paid Plinth Area (--)	302.67 M ²

Balance Plinth Area	284.84 M ²
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A.R.E
U.P.R.N.N.Ltd

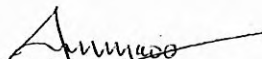
U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :--Construction for Extension of Continuing Education office
Building in campus of I.I.T Roorkee in District Haridwar (U.A)

Abstract of Cost

S.No	Particular of Item	Plinth area	Plinth Area Rate	Amount
(a)	Construction for Extension of Continuing Education office Building in campus of I.I.T Roorkee	284.84M2	Rs 9538.80 P.Sqm	Rs 27,17,031.79
				Rs 2,17,031.79
				Say Rs 27.17 Lacs Only


A.R.E
U.P.R.N.N.Ltd

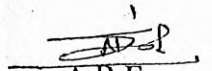

Unit In charge
U.P.R.N.N.Ltd

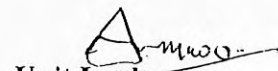
U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :--Construction for Extension of Continuing Education office
Building in campus of I.I.T Roorkee in District Haridwar (U.A)

Summary of Cost

S.No	Particular of Item	Amount
(A)	Construction for Extension of Continuing Education office Building at I.I.T Roorkee	Rs 27.17 Lacs
		Rs 27.17 Lacs


A.R.E
U.P.R.N.N.Ltd


Unit In charge
U.P.R.N.N.Ltd

उत्तर प्रदेश राजकीय निर्माण निगम लिमिटेड

(राज्य सरकार का उपक्रम)
(ISO 9001:2000 CERTIFIED)



Appendix 'E'
Item No. B&WC/ 20.3.7

NAME OF WORK :- Construction for extension of ~~1st~~ Building in campus
of I.I.T Roorkee in Distt Haridwar (U.A)

For Training & Placement cell

COST OF ESTIMATE :- Cost of Preliminary Estimate Rs 52.00 Lacs only

NAME OF UNIT :-

U.P.R.N.N.Ltd
Camp Office Ganga bhawan Hostel Block
I.I.T Roorkee Distt Haridwar (U.A)
Mob:- +91 9412231966

G.M Office:-
U.P Rajkiya Nirman Nigam Ltd
1st Floor E-34 Neheru Colony
Deharudun (U.A)

Head office :-
U.P Rajkiya Nirman Nigam Ltd
Vishwarya Bhawan Vibhuti Khand
Gomati Nagar Lucknow (U.P)

पंजीकृत कार्यालय : विश्वेश्वरैया भवन, विभूति ^{ग्रुण्ड} 22, गोमती नगर, लखनऊ-226001

फैक्स नं० 0522-2720846

U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :--Construction for extension of TAP Building in Campus of I.I.T
Roorkee in Distt Haridwar (U.A) (For Training & Placement
cell)

Detail of Measurement

(a) Plinth area Measurement of STEP Building ?

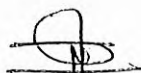
First Floor Plinth area

Hall Area	1x22.61x9.19	= 207.79 M ²
PPT Hall	1x 9.27x9.26	= 85.28
	1x9.26x1.30	= 12.04
Toilet TO PET	1x4.80x1.50	= 7.20
Passage	1x1/2x17.38x2.46	= 21.23
Passage	1x1/2x31.34x2.23	= 34.94
Board Room	1x14.06x5.46	= 76.77
Verandah	1x5.00x4.84	= 24.20
Toilet	1x3.20x2.10	= 6.72
-do -	1x4.58x3.20	= 14.66
Column offsets	1x3x0.300x0.300	= 0.27
	1x6x0.230x0.45	= 0.62
	1x7x0.300x0.450	= 0.945

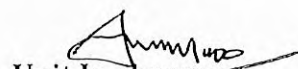
492.67 M²

(b) Second Floor Plinth Area

Stair Case Mumty 1x5.46x4.97 = 27.14 M²


A.R.E

U.P.R.N.N.Ltd


Unit In charge
U.P.R.N.N.Ltd

U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :--- Construction for extension of T&P Building at IIT
Roorkee in Distt Haridwar (U.A) (For Training & Placement
cell)

Analysis of rate

(A) First Floor Plinth area (Per squaremetre)

(1) Plinth area rate as per U.A.P.W.D vide Letter No 369 / 55 Bhawan – 2008 dated 12-03-2008	Rs 5560.00
(2) Add Extra height for 0.30 M beyond 2.90M height is 3.20 M 1x160.00 PM ²	Rs 160.00
(3) Add for provision for R.C.C Framed Structure @ 12 % on amount Rs 5560.00	Rs 667.20
(4) Add Internal water supply & sewage system of work @ 12 %	Rs 667.20
(5) Add External water supply & sewage system of work @ 5 %	Rs 278.00
(6) Add Internal Electrification of work @ 12..00 %	Rs 667.20
(7) Add for earth quake Provision	Rs 370.00
(8) Add for Power wiring 3 %	Rs 166.80
(9) Add for provision for Ceiling Fan @ 4 %	Rs 222.40
(10) Add for Contingencies 4 %	Rs 350.35

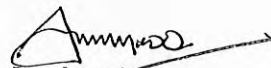
Rs 9109.15
per square meter

(B) Second Floor Plinth Area

Same as First Floor Plinth area

Rs 9109.15 Per Sqm


A.R.E
U.P.R.N.N.Ltd

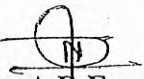

Unit In charge
U.P.R.N.N.Ltd

U.P.Rajkiya Nirman Nigam Ltd Muzaffarnagar Unit Muzaffarnagar (U.P)

Name of work :--Construction of Extension of ~~TAP~~ Building in campus of I.I.T
Roorkee in District Haridwar (U.A) (For Training & Placement
cell)

ABSTRACT OF COST OF STEP BUILDING

S.No	Particular of item	Plinth area	Rate	Amount
(1)	Cost for extension of STEP Building			
(A)	First Floor Plinth area	492.67M ²	Rs 9,109.15	Rs 44.88 Lacs
(B)	Second Floor Plinth area	27.14 M ²	Rs 9109.15	Rs 2.47 Lacs
(2)	Add for Brick Coba Treatment of work	492.67 M ²	Rs 355.00	Rs 1.75 Lacs
				Rs 49.10 Lacs
(3)	Less 5 % due to U.P.R.N.N Ltd working	(--)		Rs 2.46 Lacs
				Rs 46.64 Lacs
(4)	Add 11.5 % U.P.R.N.N.Ltd Cent age Charges	(+)		Rs 5.36 Lacs
				Rs 52.00 Lacs


A.R.E
U.P.R.N.N.Ltd


Unit In charge
U.P.R.N.N.Ltd

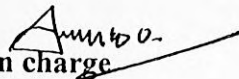
U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :--Construction for extension of ~~T&P~~ Building at I.I.T
Roorkee in District Haridwar (U.A) (*for Training & Placement cell*)

Summary of Cost

S.No	Particular of item	Amount (in Lacs)
(1)	Cost for Extension of STEP Building	Rs 52.00 Lacs


A.R.E
U.P.R.N.N.Ltd


Unit In charge
U.P.R.N.N.Ltd

11. Report of the Committee on the Administration of the Government of the District of Columbia

Summary of Cost

12. Report of the Committee on the Administration of the Government of the District of Columbia

13. Report of the Committee on the Administration of the Government of the District of Columbia

14. Report of the Committee on the Administration of the Government of the District of Columbia

15. Report of the Committee on the Administration of the Government of the District of Columbia

Appendix 'F'
Item No. B&WC/ 20.3.8

Estimate for construction of new substation for Multistoried Boy's Hostel being constructed near Ganga Bhawan.

S. No.	Items	Qty.	Rates	Unit	Amount
1.	S/F of 11/0.433 Volt 3 phase, 50 Hz Dry type Transformer 500 KVA capacity.	1 No.	1400000.00	Each	1400000.00
2.	S/F of Extensible local T/F Control RMU 4 function with 2 nos. Isolator and 2 VCB with Isolator.	1 No.	1500000.00	Each	1500000.00
3.	S/F of L.T. Cable 1 core 800 mm ² armoured Alu cable	70 Mts.	2000.00	Mts	140000.00
4.	S/F of H.T. Cable 3 core 185 mm ² unearthed Alu cable	1100Mts.	3000.00	Mts	3300000.00
5.	S/F of H.T. cable indoor joint Kit for 3x185 mm ²	4 Nos.	9000.00	Each	36000.00
6.	S/F of H.T. cable straight through joint kit for 3x185 mm ²	1 No.	16400.00	Each	16400.00
7.	S/F earthing with copper plate for T/F neutral	2 Nos.	2571.00	Each	5142.00
8.	S/F of earthing with G.I. plate for T/F body.	4 Nos.	1198.00	Each	4792.00
9.	S/F of lug socket for 185 mm ²	12 Nos.	97.00	Each	1164.00
10.	S/F of lug socket for 800 mm ²	14 Nos.	309.00	Each	4326.00
11.	S/F of cable gland for 185 mm ²	4 Nos.	110.00	Each	440.00
12.	S/F of G.I. Pipe 100 mm Dia	30 Mts.	465.00	Mts	13950.00
13.	S/F of G.I. strip 32x6 mm size	40 Mts.	67.00	Mts	2680.00
14.	S/F of copper strip 32x6 mm size	20 Mts.	309.00	Mts	6180.00
15.	S/F of Miss. Items as safety equipments etc.			L.S.	75000.00
				Total Rs.	6806074.00

Say Rs. 68.00 Lacs

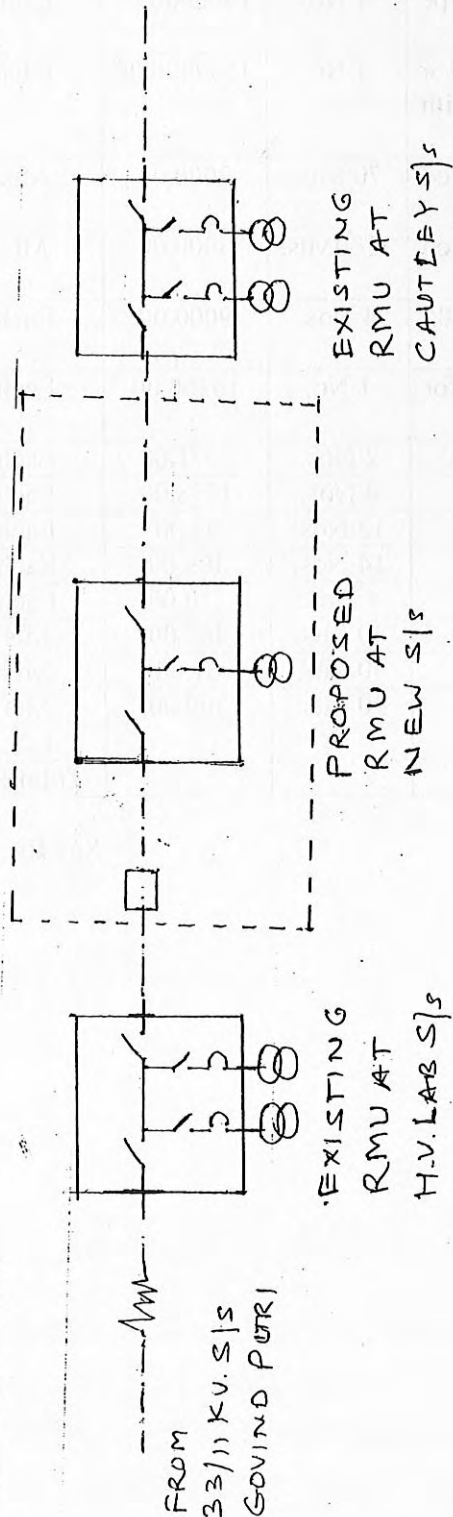
Asst. Secy
28/1/18

LINE DIAGRAM OF NEW SUB-STATION FOR MULTI-STORIED

BOY'S HOSTAL NEAR GANGA BHAWAN

INDEX:-

- 3x185 MM² HT CABLE
- STRAIGHT THROUGH
- 11 KV CABLE JOINT
- /- ISOLATOR
- ~ V.C.B.
- ⊗ 11/0.4 KV TRANS
- FORMER 500K
- ⊞ PROPOSED



28/4/08
A.E.B. 10/08/08

MINUTES OF THE MEETING OF COMMITTEE FOR PREPARING THE
PLAN/ESTIMATE FOR CONSIDERATION CONSTRUCTION OF NEW
SUBSTATION NEAR ~~GANGA~~ BHAWAN HELD ON 23.07.2007 IN THE
OFFICE OF DEAN (P.G.S. & R.) IN MAIN BUILDING.

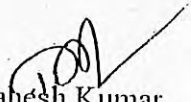
Following members were present:

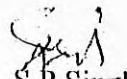
- | | |
|--|-----------------|
| 1. Prof. H.O. Gupta, Head, Elect. Engg. Deptt. | Chairman |
| 2. Prof. Bharat Gupta, Elect. Engg. Deptt. | Member |
| 3. Dr. S.P. Singh, Elect. Engg. Deptt | Member |
| 4. Er. Salek Chand, Institute Engineer | Special Invitee |
| 5. Er. Mahesh Kumar, AEE (Elect.) | Member |
| 6. Er. D.P. Singh, AEE (Elect.) | Member |

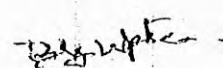
The Committee has resolved that

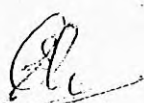
1. One no.500 KVA Dry Type Transformer be provided
2. One room for Transformer and H.T. Panel to be constructed adjacent to L.T. Panel room suggested by A.E. (Elect) C.P.W.D.
3. Transformer output supply should be directly connected in the L.T. Panel incoming switch through Bus ducting.
4. H.T. Cable to be provided from Cautley Bh substation and Rajendra Bh substation in a Ring Main Unit.

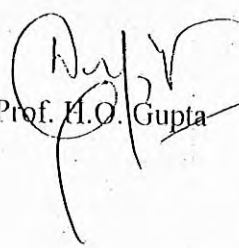

Er. D.P. Singh


Er. Mahesh Kumar,


Dr. S.P. Singh,


Prof. Bharat Gupta,


Er. Salek Chand,


Prof. H.O. Gupta

MEMORANDUM FOR THE RECORD
SUBJECT: [Illegible]

Following members were present:

- 1. Mr. H. O. [Illegible]
- 2. Mr. [Illegible]
- 3. Mr. [Illegible]
- 4. Mr. [Illegible]
- 5. Mr. [Illegible]
- 6. Mr. [Illegible]
- 7. Mr. [Illegible]
- 8. Mr. [Illegible]
- 9. Mr. [Illegible]
- 10. Mr. [Illegible]

The following was resolved:

- 1. [Illegible]
- 2. [Illegible]
- 3. [Illegible]
- 4. [Illegible]
- 5. [Illegible]
- 6. [Illegible]
- 7. [Illegible]
- 8. [Illegible]
- 9. [Illegible]
- 10. [Illegible]

[Illegible signatures and text]

उत्तर प्रदेश राजकीय निर्माण निगम लिमिटेड

(राज्य सरकार का उपक्रम)
(ISO 9001:2000 CERTIFIED)



NAME OF WORK :- Construction for Extension of Cautely Bhawan (160 seats)
80 Room Hostel Building in campus of I.I.T
Roorkee in Distt Haridwar (U.K)

COST OF ESTIMATE :- Cost of Estimate Rs 295.44 Lacs only

NAME OF UNIT :-

U.P.R.N.N.Ltd
Camp Office Ganga bhawan Hostel Block
I.I.T Roorkee Distt Haridwar (U.A)

G.M Office:-
U.P Rajkiya Nirman Nigam Ltd
1st Floor E-34 Neheru Colony
Deharadun (U.A)

Head office :-
U.P Rajkiya Nirman Nigam Ltd
Vishwarya Bhawan Vibhuti Khand
Gomati Nagar Lucknow (U.P)

U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :- Construction for extension of Cautely Bhawan 80 Room at I.I.T *(Double seated Rooms)*
Roorkee in Distt Haridwar (U.K)

Plinth Area Measurement

(1) Ground Floor Plinth Area Measurement

already sanction area 18 Room = 636.96 M^2

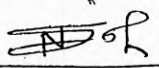
Area for one Room = $636.96 \text{ M}^2 / 18 = 35.39 \text{ M}^2$

(A) Ground Floor Area for 20 Room $20 \times 35.39 = 707.80 \text{ M}^2$

(B) First floor plinth area
Quantity same as G.F Plinth area $= 707.80 \text{ M}^2$

(C) Second Floor Plinth area
Quantity same as 1st Floor Plinth area $= 707.80 \text{ M}^2$

(D) Third Floor Plinth Area
quantity same as 2nd Floor Plinth Area $= 707.80 \text{ M}^2$
area for Stair case Mumty $1 \times 5.00 \times 4.00 = 20.00$
 $707.80 \text{ M}^2 = 727.80 \text{ M}^2$


A.R.E
U.P.R.N.N.Ltd

U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :--- Construction for extension of Cautely Bhawan 80 Room at I.I.T
Roorkee in Distt Haridwar (U.K) *(Double seated)*

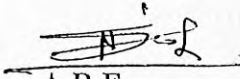
Analysis of rate

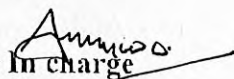
(A) Ground Floor Plinth area (Per squaremetre)

(1) Plinth area rate as per U.A.P.W.D vide Letter No 369 / 55 Bhawan – 2008 dated 12-03-2008	Rs 6180.00
(2) Add Extra height for 0.30 M beyond 2.90M height is 3.20 M 1x160.00 PM ²	Rs 160.00
(3) Add for provision for R.C.C Framed Structure @ 12 % on amount Rs 6180.00	Rs 741.60
(4) Add Internal water supply & sewage system of work @ 12 %	Rs 741.60
(5) Add External water supply & sewage system of work @ 5 %	Rs 309.00
(6) Add Internal Electrification of work @ 12.50 %	Rs 772.50
(7) Add for Ant termite of work Treatment	Rs 180.00
(8) Add for earth quake Provision	Rs 370.00
(9) Add for Provision of Internet @ 0.5%	Rs30.90
(10) Add for Power wiring 3 %	Rs 185.40
(11) Add for Contingencies 4 %	Rs 394.26

Rs 10,065.26

Rate Rs 10,065.26 per square meter


A.R.E
U.P.R.N.N.Ltd


Unit In charge
U.P.R.N.N.Ltd

U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :--- Construction for extension of Cautely Bhawan 80 Room at I.I.T
Roorkee in Distt Haridwar (U.K) *(Double rentel)*

Analysis of rate

(B) First Floor Plinth area (Per Square Metre)

(1) Plinth area rate as per U.A.P.W.D vide Letter No 369 / 55 Bhawan – 2008 dated 12-03-2008	Rs 5560.00
(2) Add Extra height for 0.30 M beyond 2.90M height is 3.20 M 1x160.00 PM ²	Rs 160.00
(3) Add for provision for R.C.C Framed Structure @ 12 % on amount Rs 6180.00	Rs 667.20
(4) Add Internal water supply & sewage system of work @ 12 %	Rs 667.20
(5) Add External water supply & sewage system of work @ 5 %	Rs 278.00
(6) Add Internal Electrification of work @ 12.50 %	Rs 695.00
(7) Add for earth quake Provision	Rs 370.00
(8) Add for Power wiring 3 %	Rs 166.80
(9) Add for Provision of Internet @ 0.5 %	Rs 27.80
(10) Add for Contingencies 4 %	Rs 350.35

Rs 8,942.35

Rate Rs 8,942.35 Per Sqm

(C) Second Floor Plinth Area (Per Square Meter)

(1) Plinth area rate as per U.A.P.W.D vide Letter No 369 / 55 Bhawan – 2008 dated 12-03-2008	Rs 6180.00
(2) Add Extra height for 0.30 M beyond 2.90M height is 3.20 M 1x160.00 PM ²	Rs 160.00
(3) Add for provision for R.C.C Framed Structure @ 12 % on amount Rs 6180.00	Rs 741.60
(4) Add Internal water supply & sewage system of work @ 12 %	Rs 741.60
(5) Add External water supply & sewage system of work @ 5 %	Rs 309.00
(6) Add Internal Electrification of work @ 12.50 %	Rs 772.50
(7) Add for earth quake Provision	Rs 370.00
(8) Add for Power wiring 3 %	Rs 185.40
(9) Add for Provision of Internet 0.50 %	Rs 30.90
(10) Add for Contingencies 4 %	Rs 387.06

Rs 9,878.06

Rate Rs 9,878.06 Per Sqm

U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :--- Construction for extension of Cautely Bhawan 80 Room at
I.I.T Roorkee in Distt Haridwar (U.K) (Double rated)

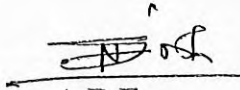
Analysis of rate

(D) Third Floor Plinth Area (Per Square Meter)

(1) Plinth area rate as per U.A.P.W.D vide Letter No 369 / 55 Bhawan – 2008 dated 12-03-2008	Rs 6180.00
(2) Add Extra height for 0.30 M beyond 2.90M height is 3.20 M 1x160.00 PM ²	Rs 160.00
(3) Add for provision for R.C.C Framed Structure @ 12 % on amount Rs 6180.00	Rs 741.60
(4) Add Internal water supply & sewage system of work @ 12 %	Rs 741.60
(5) Add External water supply & sewage system of work @ 5 %	Rs 309.00
(6) Add Internal Electrification of work @ 12..50 %	Rs 772.50
(7) Add for earth quake Provision	Rs 370.00
(8) Add for Power wiring 3 %	Rs 185.40
(9) Add for Provision of Internet 0.50 %	Rs30.90
(10) Add for Contingencies 4 %	Rs 387.06

Rs 9,878.06

Rate Rs 9,878.06 Per Sqm


A.R.E
U.P.R.N.N.Ltd

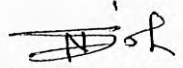

Unit In charge
U.P.R.N.N.Ltd

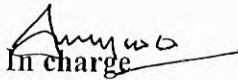
U.P.Rajkiya Nirman Nigam Ltd Muzaffarnagar Unit Muzaffarnagar (U.P)

Name of work :-- Construction for extension of Cautely Bhawan 80 Room at I.I.T
Roorkee in Distt Haridwar (U.K) *(Double seated)*

ABSTRACT OF COST OF HOSTEL BUILDING

S.No	Particular of item	Plinth area	Rate	Amount
(1)	Cost for Hostel Building			
	Construction for Extension of Cautely Bhawan 80 Room at I I.I.T Roorkee			
	(A) Ground Floor Plinth Area	707.80 M ²	Rs 10065.26	Rs 71.24 Lacs
	(B) First Floor Plinth area	707.80 M ²	Rs 8,942.35	Rs 63.29 Lacs
	(C) Second Floor Plinth area	707.80M ²	Rs 9,878.06	Rs 69.92Lacs
	(D) 3 rd Floor Plinth Area	727.80M ²	Rs 9,878.06	Rs 71.89Lacs
(2)	Add for Brick Coba Treatment of work	727.80 M ²	Rs 355.00	Rs2.58 Lacs
(3)	Less 5 % due to U.P.R.N.N Ltd working	(--)		Rs 278.92.Lacs Rs 13.95 Lacs
(4)	Add 11.5 % U.P.R.N.N.Ltd Cent age Charges	(+)		Rs 264.97 Lacs Rs 30.47 Lacs
				Rs 295.44 Lacs


A.R.E
U.P.R.N.N.Ltd


Unit in charge
U.P.R.N.N.Ltd

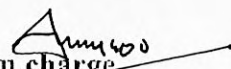
U.P Rajkiya Nirman Nigam Ltd Muzaffar nagar unit Muzaffar nagar (U.P)

Name of work :-Construction for ext ension of Cautely Bhawan 80 Room at I.I.T
Roorkee in Distt Haridwar (U.K) (Double seated)

Summary of Cost

S.No	Particular of item	Amount (in Lacs)
(1)	Construction for extension of Cautely Bhawan 80 Room at I.I.T Roorkee in Distt Hariðwar (U.K)	Rs 295.44Lacs


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Unit In charge
U.P.R.N.N.Ltd

L. P. Bailey, Kansas Highway Dept. (L.P.)

Name of work or construction for extension of (L.P.)

Location in Dist. Highway (L.P.)

Summary of Cost

Particulars of item

(1) Construction for extension of (L.P.)

41113 Road in Dist. Highway (L.P.)

100 ft in length

10 ft wide

100 ft in length
10 ft wide