भवन एवं निर्माण समिति की प्रथम बैठक का कार्यवृत्त

MINUTES OF THE 1ST MEETING OF THE BUILDING AND WORKS COMMITTEE

27.03.2002



भारतीय प्रौद्योगिकी संस्थान रूड़की रूड़की — 247 667 (भारत)

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

INDIAN INSTITUTE OF TECHNOLOGY ROORKEE ROORKEE

No. MS/IITR/B&WC/1st/2002/488(ii)

Dated

Subject:

Recommendations (Minutes) of the 1st meeting of the Building & Works

Committee held on 27.3.2002.

Enclosed herewith please find a copy of the recommendations (minutes) of the 1st meeting of the Building & Works Committee of this Institute held on 27.3.2002 for favour of information of the members and record. Members who attended the meeting are requested to kindly offer their comments . if any, within 20 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

(A.K.Srivastava)
Lt. Col. (Retd)
Secretary Building &
Works Committee

To,

 Prof. Prem Vrat Director IIT Roorkee Chairman

Sri S.P.Singh
 Chief Engineer,
 C.P.W.D.
 Kendriya Bhawan
 III Floor, Sector K, Aliganj
 Near Purana Chauraha
 Lucknow

3. Sri Pawan Agarwal

Director

Department of Secondary & Higher Education

Govt. of India

Ministry of Human Resource Development

Shastri Bhawan

New Delhi 110 001

4. Sri R. S.Prasad Joint Secretary (Finance) and Financial Advisor Ministry of Urban Development Govt. of India New Delhi- 110 011

- 5. Sri R.C.Mittal,
 The Chief Engineer
 Public Works Department
 Uttaranchal Govt.
 Dehradun
- 6. Sri Salek Chand Institute Engineer IIT Roorkee
- 7. Prof. S.K.Kaushik
 Chairman Estate & Works
 Civil Engg. Deptt.
 IIT Roorkee
- 8. Prof. K.G.Ranga Raju
 Dy. Director
 IIT Roorkee
- 9. Lt. Col. (Retd) A.K.Srivastava

-Secretary

Minutes of the 1st meeting of the Building and Works Committee held on 27.3.2002 at 12 Noon

The following were present:

1. Prof. Prem Vrat
2. Sri S.P.Singh, Chief Engineer, CPWD, Lucknow
3. Sri R.C.Mittal, Chief Engineer, PWD, Dehradun
4. Sri Salek Chand, Institute Engineer
5. Prof.S.K.Kaushik, Chairman (E & W)
6. Prof.K.G.Ranga Raju, Dy. Director
7. Lt. Col. A.K.Srivastava
- Chairman
- Member
- Member
- Permanent Invitee
- Permanent Invitee

Mr. Pawan Agarwal, Director, MHRD, New Delhi and Mr.R.S.Prasad, Jt. Secretary (Finance) and Financial Advisor, Ministry of Urban Development, New Delhi could not attend the meeting due to their pre-occupation elsewhere.

The Chairman, B&WC welcomed the members to the first meeting of B & W C of the IIT Roorkee and extended a warm welcome to the external members viz. Mr. S.P.Singh, Chief Engineer, C.P.W.D., Lucknow and Mr.R.C.Mittal, Chief Engineer, P.W.D., Dehradun. The Chairman, in his opening remarks, said that after becoming an IIT, we have a Board of Governors and the two important Sub-committees of the Board. the Building and Works Committee and the Finance Committee. Any major project and major policy decisions concerning the finances, campus planning and construction requires deliberation in these Bodies before the Board of Governors considers these issues. This Committee has, indeed, an extremely challenging task before it in view of the fact that the MHRD would give Rs. 110 crores to the Institute over the next three years, for upgradation, modernistaion of the infra-structure, purchase of new support services equipment, renovation, extension and construction of buildings, so that the campus of IIT Roorkee compares favourably with the other IITs. During the next three years, there will be a large number of new construction projects, major modifications, renovation of buildings etc. Hence, the Building and Works Committee has a very major role to play in this direction.

Deliberations:

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

Item No. 1: Report on the constitution of the Building and Works Committee of the IIT Roorkee:

The Committee noted the constitution. Arising out of this, Mr. S.P.Singh, Chief Engineer, C.P.W.D. suggested that in the composition of the Committee, there should be a person with an E/M background and field experience, so as to have his valuable input in the matters of E&M services for the existing and the new Buildings. The Chairman accepted this suggestion.

Item No. 2: List of the Works sanctioned by the MHRD:

The Committee approved the proposal, for the renovation, extension and construction of the Buildings with their preliminary estimate of Rs. 5245 lacs, as given in Appendix 'A' and recommended the works to the B.O.G. for according Administrative Approval and Expenditure Sanction.

As suggested by Mr. R.C.Mittal, Chief Engineer, P.W.D., Dehradun, construction and premixing of roads should cater for adequate bituminous carpet layers considering the life cycle cost of the roads.

Item No. 3: List of works proposed to be assigned to Companies of National Repute:

The Committee recommended that the following major construction works may be assigned to the Companies of National repute through an open advertisement:

Sl.	Name of the Work	Approx.Cost
No.		
1.	Construction of Guest House and Conference complex	Rs. 186 lacs
2.	Construction of Air-conditioned Auditorium (capacity 1000	Rs. 350 lacs
	+ 500 in second phase)	
3.	Construction of Workshop/ Lab. Block in Chemical and	Rs. 193 lacs
	Metallurgical Engineering Departments.	•
4.	Reconstruction of Workshop Building	Rs. 104 lacs
5.	/ Construction of Building for Information Technology	Rs. 99 lacs
6.	Construction of Boys Hostel of 400 capacity and	Rs. 539 lacs
	Girls Hostel of 200 capacity, both of four floors.	

7. Renovation of Main Building by providing mezanine floor

Rs. 107 lacs

The pre qualification clause should be kept for contractors. Modalities may be checked from IIT Kanpur.

Item No. 4: Progress Report of the on-going works for the consideration of the Committee:

The committee noted with satisfaction the progress of works as indicated against each item.

Item No 5: Proposal of Institute Engineer prepared on the request of residents of Niti Nagar for purpose of security:

The Committee accepted the proposal for raising the existing boundary wall along the main road in the Niti Nagar area, and providing internal approach roads for the residents, as per **Sketch 'P'**, and recommended the same to the BOG for consideration.

Item No. 6: Proposal for expansion of the Construction Division of the Institute:

The Committee recommended that the following additional staff be provided to the Construction Division to cope up with the increased construction and maintenance work of the Institute, and their salary be charged to the works till the regular posts are filled:

- 1. Asstt. Engineer (Civil) -1 On deputation from any Engineering Deptt.
- 2. Asstt. Engineer -1 On deputation/ on contract basis (Horticulture & Sanitary)
- 3. Junior Engineer (Civil) -3 On deputation/ on contract basis.

Item No7: Proposal for Financial and Administrative powers of various Functionaries of the Construction Division of the Institute:

The Committee accepted the proposal for delegating Financial and Administrative powers of the various Functionaries of the Construction Division, as given in Appendix 'B', and recommended the same to the BOG for consideration.

Item No. 8: Report of Prof. P.C. Jain Committee regarding demolition of old residences for the construction of new residences:

The Committee accepted the Report of Prof. P.C. Jain's Committee and recommended the demolition of the following very old and dilapidated residences to the BOG, so that construction of the new residences could be started on the vacated sites:

'D' Class Residences: 147/32 to 147/53 = 22 Nos.

147/80 to 147/82 = 03 nos

M.P.Hutments: 153/1 to 153/2 = 2 Nos.

Item No. 9: Formation of a Committee consisting of the Chairman E&W, Institute Architect and Institute Engineer for approving the plans of the various Buildings:

The committee has recommended as under:

- (i) The plans for renovation/ extension works to be approved by a Committee of Chairman E & W. Institute Architect, Institute Engineer and the concerned Head
- New plans for construction works upto Rs. 50.00 lacs be approved by a committee consisting of Chairman E&W, Institute Architect, Institute Engineer and one Professor each from Mechanical/ Civil /Electrical/Architecture & Planning Deptts. with the concerned HOD as a special invitee.
- (iii) Plans of new construction costing above Rs. 50.00 lacs be approved by Building and Works Committee on the recommendations of the Committee at serial No. (ii), above.

Other Issues:

Item No. 10 : Master Plan - 2020

The committee took the note of the concept of the Institute's Master Plan, which was presented by Prof. Najamuddin and Prof. S.Y.Kulkarni and expressed its satisfaction on the work being done in this regard. The final Master Plan will be placed before the Committee in its next meeting.

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

Table XXIV.4 Financial Requirements for Renovation/ Extension of Buildings

Appendix-1 A1

Sl. No.	Name of Work	Plinth	Rates in Rs.	Estimated	Remarks
		Area in M2		Cost	
°		-	•	(Rs. in	
(1)	Academic and Administrative Buildings	1		Lacs)	
(A)	Renovation of old Academic/ Administrative	<u> </u>			No 4 - 541
1.	}				Most of the
	Buildings				buildings are
	(i) Renovation of Main Building by-			•	more than 50
	relaying roof and floors etc. and		2.52		years old. Hence
	providing Mezanine Floor.	4105	2600	107	renovation of
	(ii) Renovation of Lab Block in	* * * * * * * * * * * * * * * * * * * *	1		these buildings is
	Hydrology Department by relaying	Constant Section	a death of the office		essential.
	of roof and floor	230	2600	6	-
	(iii) Renovation of Library, Computer		,		
	room, Training Lab by relaying roof			•	
	and floor in Humanities Department.	230	2600	6	
•	(iv) Renovation of I.C. Engine Lab,			•	
	Steam Engg. Lab by relaying roof	,			
	and floor in Mech. Engg. Deptt.	541	2600	14	
	(v). Renovation of Refrigeration				ا ا
•	Building, Foundary Shop, Tools		!		-
	room in workshop building by			·	
-	relaying roof and floor.	. 1875	2600	49	
	(vi) Renovation of Survey Store, Field	. 1875	2000		-
•	Lab, Model Lab in Civil Engg. Deptt.			÷	
		1800	2600	47	
•	by relaying roof and floor.	1300	2000	• 47	
	(vii) Renovation of workshop,			-	
	multimedia, Lecture/ Tutorial room		1		
	by relaying roof and floor in E&CE				
	Deptt.	397	2600	10	
-	(viii) Renovation of Toilets blocks in Arch.				
	& Plann., Humanities, Mech. & Ind.,				
	E&CE, Electrical, Earth Sciences,				
	Chemical, Met & Mat., Physics,				
	Chemistry and Mathematics Deptts.	60Nos:	50000 each.	30	,
	(ix) Roof treatment in Mechanical,		•		,
	Chemical, Civil, Workshop and Bio]		<u></u>
	Sciences Deptt.	14000	200	28	
	·				
2,	Replacement of very old Academic/	<u> </u>	1		Most of the
	Administrative Buildings				Buildings are
	(i) Replacement of Workshop/ Lab				more than 70
	block of Chemical Engg. Deptt.	1900	5200	99	years old hence
	(ii) Replacement of Workshop/ Lab	',00) 5200	′′	replacement of
	block and old diploma building of	1810	5200	94	these buildings is
		1, . 1910	1 3200	}	essential
	Met. & Mat. Deptt.	2000	5200	104	CSSCIIIIAI
	(iii) Replacement of Carpentry Shop,	2000	3200	104	-
	Foundry Lab in Workshop Building.		6000	1 .] ,
	(iv) Replacement of La& Block in Bio.	480	5200	25	<u> </u>
	Sciences Deptt.		1	Į.	1

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Deptt. (x) Extension of Lecture Hall in Electrical Engg. Deptt. (xi) Extension of Faculty rooms, class rooms in Bio. Sciences Deptt. (xii) Extension of Class rooms and Studio in Continuing Education Deptt. (xiii) Extension of Lecture Theatre in Met. & Mat. Engg. Deptt. (xiv) Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur (xiv) Extension of faculty block in WRDTC (xvi) Extension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of USIC Building (iii) Extension of University Hospital 100 111 125 120 120 120 120 120			0.24	3200	43	
(x) Extension of Lecture Hall in Electrical Engg. Deptt. (xi) Extension of Faculty rooms, class rooms in Bio. Sciences Deptt. (xii) Extension of Class rooms and Studio in Continuing Education Deptt. (xiii) Extension of Lecture Theatre in Met. & Mat. Engg. Deptt. (xiv) Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur (xv) Extension of faculty block in WRDTC (xvi) Vextension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of UsiC Building (ii) Extension of UsiC Building (iii) Extension of University Hospital 700 5200 78 Hospital and extension of Central Library, Building (iii) Extension of University Hospital 700 5200 78 Hospital and extension of Central Library, UCC and USIC is necessary.						
Electrical Engg. Deptt.			308	5200	16	
Electrical Engg. Deptt. (xi) Extension of Faculty rooms, class rooms in Bio. Sciences Deptt. (xii) Extension of Class rooms and Studio in Continuing Education Deptt. (xiii) Extension of Class rooms and Studio in Continuing Education Deptt. (xiii) Extension of Lecture Theatre in Met. & Mat. Engg. Deptt. (xiv) Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur (xiv) Extension of faculty block in WRDTC (xvi) Wextension of faculty block, class room and lab block of Chemical Deptt. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital Page 1500 113 288 5200 15 200 30 10 40 Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur 1192 5200 62 42 43 44 Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building 700 5200 78 Hospital and extension of Central Library, UCC and USIC is necessary.		(x) Extension of Lecture Hall in				"
(xii) Extension of Faculty rooms, class rooms in Bio. Sciences Deptt. (xiii) Extension of Class rooms and Studio in Continuing Education Deptt. (xiii) Extension of Lecture Theatre in Met. & Mat. Engg. Deptt. (xiv) Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur (xvi) Extension of faculty block in WRDTC (xvi) Extension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital year of Central Library Building (iii) Extension of University Hospital year of Central Library Building (iiii) Extension of University Hospital year of Central Library Building (iiii) Extension of University Hospital year of Central Library Building (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii			250	5200	13	•
rooms in Bio. Sciences Deptt. (xii) Extension of Class rooms and Studio in Continuing Education Deptt. (xiii) Extension of Lecture Theatre in Met. & Mat. Engg. Deptt. (xiv) Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur (xv) Extension of faculty block in WRDTC (xvi) Extension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital Page 15200 15300 30 10 200 5200 10 210 5200 62 210 5200 62 41 42 43 44 45 46 47 47 47 47 47 47 47 48 48 49 40 40 41 41 41 42 45 47 48 48 49 40 40 41 41 41 42 43 44 45 46 47 47 48 48 49 40 40 40 41 41 41 42 43 44 45 46 47 47 48 48 49 40 40 40 41 41 41 42 43 44 44 45 46 47 47 48 48 49 40 40 40 40 41 41 42 43 44 44 45 46 47 47 48 48 49 40 40 40 40 40 40 41 41 42 43 44 45 46 47 47 48 48 49 40 40 40 40 40 40 40 41 41 42 44 44 45 46 47 47 48 48 49 40 40 40 40 40 40 41 41 42 44 44 44 44 45 46 47 47 48 48 48 48 49 40 40 40 40 40 40 40 40 40						
(xii) Extension of Class rooms and Studio in Continuing Education Deptt. (xiii) Extension of Lecture Theatre in Met. & Mat. Engg. Deptt. (xiv) Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur S			288	5200	15	!
in Continuing Education Deptt. (xiii) Extension of Lecture Theatre in Met. & Mat. Engg. Deptt. (xiv) Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur (xv) Extension of faculty block in WRDTC (xvi) Uxtension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital 700 5200 78 Hospital and Central Library, UCC and USIC is necessary.				,		
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& Mat. Engg. Deptt. (xiv) Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur Sabaranpur Saharanpur Sabaranpur Saharanpur Saharan] 5,0	3200	50	, ·
(xiv) Extension of New Polymer Lab, Central Instrumentation Lab at IPT Saharanpur (xv) Extension of faculty block in WRDTC (xvi) Extension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital begin to the property of the prope			200	5000	10	, '
Central Instrumentation Lab at IPT Saharanpur Saharanpur Extension of faculty block in WRDTC (xvi) Extension of faculty block, class room and lab block of Chemical Deptt. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital Performance of S200 Table 1192 5200 62 11 1192 5200 62 Up-gradation of University Hospital and extension of Central Library University Hospital and extension of Central Library, UCC and USIC is necessary.		T	200	3200	10	·
Saharanpur (xv) Extension of faculty block in WRDTC (xvi) Extension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital begin and sextension of University Hospital contral Library, UCC and USIC is necessary.						
(xv) Extension of faculty block in WRDTC (xvi) Extension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital 700 5200 47 Up-gradation of University Hospital 900 5200 78 Hospital and extension of Central Library, UCC and USIC is necessary.		Central Instrumentation Lab at IPT			,	
(xv) Extension of faculty block in WRDTC (xvi) Extension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital 700 5200 47 Up-gradation of University Hospital 900 5200 78 Hospital and extension of Central Library, UCC and USIC is necessary.		Saharanpur	1192	5200	62	
WRDTC (xvi) Extension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital (iii) Extension of University Hospital (iv) Extension of University Hospital			1		•	
(xvi) Extension of faculty block, class room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital (iii) Extension of University Hospital (iv) Extension of University Hospital	ļ ·		210	5200	11	
room and lab block of Chemical Deptt. 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital (iii) Extension of University Hospital (iii) Extension of University Hospital (iversity Hospital (1				
Deptt. 1150 5200 60 4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital (iii) Extension of University Hospital (iii) Extension of University Hospital (iiii) Extension of University Hospital (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii					*	
4. Extension of buildings of Central Facilities (i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital (iii) Extension of University Hospital 900 5200 47 Central Library, UCC and USIC is necessary.	j	I	1150	5200	. د د د د د د د د د د د د د د د د د د د	
(i) Extension of Central Library Building (ii) Extension of USIC Building (iii) Extension of University Hospital (iii) Extension of University Hospital (iii) Extension of University Hospital (iversity Hospital 700 5200 36 extension of Central Library, UCC and USIC is necessary.	ļ		1130	3200		The gradation of
Building 1500 5200 78 Hospital and (ii) Extension of USIC Building 700 5200 36 extension of University Hospital 900 5200 47 Central Library, UCC and USIC is necessary.	4.	T				op-gradation of
(ii) Extension of USIC Building 700 5200 36 extension of Central Library, UCC and USIC is necessary.						
(ii) Extension of USIC Building 700 5200 36 extension of Central Library, UCC and USIC is necessary.		Building				
(iii) Extension of University Hospital 900 5200 47 Central Library, UCC and USIC is necessary.	[1	700	5200	3 <u>6</u>	
UCC and USIC is necessary.			900	5200	47	
nccessary.		Distriction of one proof the proof				UCC and USIC is
	ļ	1				
		<mark> de la companya de</mark>				[
		<u> </u>		L	l	<u> </u>

1		r*			
$ \cdot \cdot \dot{\gamma} $	Construction of buildings for new				Some new
	Departments				departments/cente
	(i) Construction of building for				rs are being
, * 	Management Studies	1830	5200	95	introduced for
1	(ii) Construction of building for Disaster				which new
	Mitigation Centre	1000	5200	52	buildings will be
	(iii) Construction of building for				required .
	Information Technology.	. 1900	5200	99	
	(iv) Construction of building for	•			
	Industrial Design Deptt.	450	5200	23	
	(v) Construction of building for				
	Placement Cell	175	5200		<u> </u>
6.	Construction of Virtual class rooms	675	5200	35	There is no virtual
		,	•	•	class room in the
					University, Some
					new rooms will be
	**				constructed and
					some existing
	• .				class rooms will
					be converted into
	•	. 1			virtual class
	/	-			rooms.
7.	(a) Construction of a Air conditioned				There is no 1000
	Multipurpose Hall (1000 persons capacity	:			persons capacity
	Auditorium of double height	2500	7000	175	auditorium. Since
	(b) Chairs for 1000 persons, furniture for dias				long need of such
	and furnishing as carpet, curtains etc.	. 1000 nos.	7500	75	auditorium is
1	(c) Air conditioning 200 T Capacity	l Job		100	being
					experienced."
8.	Air Conditioning of Civil Engg. Auditorium	1 Job		40	Most of the
ļ.	40 T Capacity		,		functions are
1					being organised in
	,		•		this two hundred
					and fifty persons
			ļ		capacity
			ļ		auditorium. Hence
				· ·	its Air
	·	- ,	·		conditioning is
					proposed.
9.	Central Air conditioning of UCC Building	l Job		. 25	Central Air-
	20 T Capacity				conditioning of
	·				леwly constructed
					first floor of UCC
	`				building is
			, , <u>, , , , , , , , , , , , , , , , , </u>		necessary.
10.	Renovation of convocation Hall including	l Job		40	Convocation
	replacement of damaged chairs			İ	Hall, being very
			ļ		old is in bad shape
					hence its
	· ·		٠		renovation is
		,	•		essential.
		Total (A)		2014	
/					
	<u> </u>	L			

;(B)	Residential Buildings		1		<u> </u>
1.	Renovation of old residential buildings				Most of the
<i>i</i>	(i) Toilets, baths and kitchen in 'A' class	1			residential
	residences	400nos.	25000	100	buildings are
1	(ii) Toilets, baths and kitchen in 'B' & 'C'				more than 50
	class residences	220nos.	15000	33	years old.
	(iii) Roof treatments in 'A', 'B', 'C' class				Renovation of a
	residences	8000	200	16	large number of
	(iv) Renovation of 101/1,2,3,		•		houses is
	102/1,2,3,4,5 and 97 A & 97 B Vigyan Kunj including relaying of	ĺ			essential.
}	roof and floor etc.	1800	2600	47	
		. 1000	. 2000	7/	
2.	(a) Replacement of very old residential				Most of the
	buildings				residential
	(i) A' class residences in Vikas	•			buildings are
	Nagar (5), Govind Puri (6),		٠,		more than 50
	Nitinagar (6), Ravindra Lok (3)		.	•	years old.
	= 20 nos.	3800	5200	198	Replacement of a
	(ii) 'B' class residences in DB				large number of
	qtrs.(20), Sheel Kunj (5), E.P.Hostel and Govind Puri		ĺ		houses is
	(25)= 50 nos.	4250		22.1	essential.
	(iii) 'D' class residences in Vikas	4230	5200	221	
1 .	Nagar 'D' colony, Govind Puri				Most of the
	=117 nos.	4680	5200	. 243	residential
	(b)Extension of very old residential buildings		3200	275	buildings are
1	(i) Extension of Illrd Bed room in		ì	ĺ	more than 50
	A class residences Block	·			vears old.
,	No.209 to 215 (42 residences in	500	5200	26	Extension of a
	Saraswati Kunj)		1		large number of
1	(ii) Extension of Baths, W.C. and				houses is
	Cooking plateform in Kitchen of	100nos.	10000cach	10	essential.
	D class residences	20	2:000	_	-
	(iii) Extension of Store in A class	20nos.	35000cach	7	·
3.	residences of Niti Nagar				777
٦.	Construction of new Residences in Roorkee and Saharanpur Campuses			-	There is a
	and Sanaranpur Campuses		•		shortage of
	A Type - 16	3040	5200	150	A,B,C,& D Category
	B & C Type - 8	680	5200	158 35	residences. Hence
	D Type - 24	960	5200	. 50	new residences
	= -21			١ ٢٠	are required.
4.	Construction of visiting faculty houses 10 nos.	1000	5200	52	There is a
	•	•		ł	shortage of
	A control of the cont		1	Ī	visiting faculty
					furnished
			.	1	residences for
.				•	visiting/ guest
5.	Construction of Garages - 40 Nos.	600	4000	24	faculty. There is an acute
".	Consulation of Guages - 40 1405.	000	4000	24	shortage of
			.		garages, Number
ļ					of vehicles have
			ļ	İ	been considerably
-					increased in the
.		-			campus

· .	ئىد .				
تىر ئىرىن ب ە پ	(f) Construction of new tube wells both	5 Nos.	700000each	35	Due to expansion
1	in Roorkee & Saharanpur campuses				of campus,
	(ii) Replacement of very old water pipe				construction of
•	lines with valves fitings		•		new tubewells and
	50 mm dia G.I. Pipe Line	1500rm	200	. 3	laying of pipe
	80 mm dia G.I. Pipe Line	1000rm	600	6	lines is essential.
	100 mm dia G.I. Pipe Line	2000rm	750	. 15	Damaged pipe
٠	Too min dia G.i. Tipe Eme	20001111	,50		lines requires
`		ŀ			immediate
			•		replacement
	Laying of 11 KV under ground cable in				Replacement of
'.		8000	1500	120	old 11 KV O.H.
	Roorkee campus	8000m	1300	120	
	The state of the s				lines by UG
					cables is essential
		<u> </u>			to avoid any
				•	damage by storm
					etc.
3.	Strengthening of existing L.T. overhead lines				Strengthening of
	in Roorkee Campus	15000m	100	15	very old LT
					overhead lines is
					essential.
).	111 KV/415 V Substation and 11 KV cable	i			Supply to
	feeder for Saharanpur Campus	l Job		2)	Szharzapur
		}	•	.	campus is very
					erratic which
					frequently
					disturbs teaching
	,				& lab classes
	Transition of decision are as Older	 1400	2000	10	
10.	Extension of draining system (Nala)	2400 rm	. 2000	48	Doe to expansion
					of campus
					drainage system is
		1		<u> </u>	to be extended.
11.	(i) Construction and widening of Roads	30000m ²	155	47	1
	(ii) Premixing of Existing roads	80000m²	65	52	in traffic some of
			•		the roads needs
					widening and
			-		some new roads
				• '	will have to be
4				•	constructed
12	(i) Rewiring of residential buildings	 			Being very old
14.		}			and unsafe
	including replacement of old meters	1			rewiring is
	by electronic meter				
	A -Type	50Nos.	16000	8	necessary. Fans
	B & C - Type	200Nos.	10000	. 20	Very old and not
	D- Type	100Nos.	. 5000	5	repairable hence
	(ii) Replacement of very old Ceiling fans	500Nos.	1000	5	replacement is
		l	<u> </u>	<u> </u>	necessary
	\	Table (B)		1620	1

سنتير		····	·····		
- C.	Student's Hostels and Amenities	45.55	2000		
,•	(i) Construction of New Girls hostel (ii) Furniture for rooms, messes and club	4300 m ²	5200	224	Due to increase in intake of girl
	for 250 seats	250 Seats	10000	25	students new girl's
					hostel is required.
2.	(i) Construction of Boy's hostel	6900 m²	5200	359	Due to increase in
	(ii) Furniture for rooms and messes, club				intake, hostel
	for 400 Seats	400 Seats	10000	40	accommodation
					for boys both at
		=		•	Roorkee and Saharanpur
					campuses is
				;	needed.
3.	(i) Construction of hostel for Foreign	6900 m²	5200	359	Due to increase in
, 🗸	(i) Construction of hostel for Foreign Students	0300 111	5200	337	quota of foreign
·	(ii) Furniture for rooms and messes,				students,
	club for 400 Seats	400Seats	10000	40	construction of
	-,				new foreign
			İ		students hostel is
					essential
4.	Renovation of Hostels and Messes		.		Most of the
	(i) Renovation of Toilet Blocks of Boys/			45	buildings of
	Girls Hostels and Messes	84Nos.	50000	42	Hostels and Messes are very
1	(ii) Renovation of Toilets & Kitchen of	120Nos.	25000	30	old and their
	Married Student Hostels (iii) Roof treatment of Hostels and	1201905.	23000	50.	renovation is
	(iii) Roof treatment of Hostels and Messes	15500m	200	31	required
	(iv) Replacement of worn out Shutters	800nos.	3500	28	
5,	Repair of wiring of Students hostel at	30000			Wiring in
-,	Saharanpur campus	Hob		10	Students hostel at
	-				Saharanpur
					campus is in very
•	:			•	bad shape &
-					needs urgent
					repair.
6.	Construction of Mess Staff residences		5000		There is an acute
	(20 Nos.)	800	5200	42	shortage of Mess staff residences.
					Hence
		e e			construction of
		l			these residences is
			.		essential
7.	(i) Renovation of UG/PG Students club	<u> </u>			These buildings
	building including reroofing etc.	1050	2600	27	are very old,
	(ii) Replacement of very old Hobbies				renovation /
	club building.	1250	5200	65	replacement of
					these buildings is
] :		necessary.
			1		·

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	•

· ·	Extension of sports facilities				To upgrade the
	(i) Extension of Gymnastic Hall, Yoga	100	6200	21	sports facilities in the campus,
	Bhawan	. 405	5200	21	extension of some
1	(ii) Renovation of Boat House,	1115	2600	29	of its buildings is
	Badminton Hall and Squash Courts	1110	2000	27	needed.
	Building including reroofing	. 175	5200	9	
	(iii) Replacement of Sports Pavellion		3200		Ì
	Building				
		Table (C)		1381	
(D)	Guest House & Conference Complex		٠.		
1.	(i) (a) Construction of New Guest				Due to conversion
	House having 20 suits.	1800	5200	94	into IIT there is a
1	(b) Furniture and Furnishing	20 suits	120000	24	need of big Guest
	(c) Window type AC 1.5 T for rooms		22000	1.0	House and
	dinning hall and waiting room	48 Nos.	33000	16	Conference
	(ii) (a) Construction of Air Conditioned		•	• •	Complex ·
	conference complex having				
:	Auditorium (200 seats), 2				
	conference rooms(50 seats each),	1,000	5000	53	
	Committee Room (30 seats)	1000	5200	52 · 20	
	(b) Furniture and Furnishing	1 Job		20 24	.]
ļ.	(c) Air conditioning 40 T capacity	1 Job	1	230	<u> </u>
<u></u>		Total (D)		5245	1
1		Grand Total	.	J#42	!

[C:\nee\struc22]

PROPOSED POWERS OF VARIOUS FUNCTIONARIES OF THE CONSTRUCTION DIVISION

Sl. No.	Works	Officer	Proposed	Remarks
	P.W.A	A.E.	Rs. 2500/- without quotation on	•
			scheduled rates	
2.	W.O.	A.E.	Rs. 10000/- with quotation on appd.	
			Estimates.	
3.	W.O.	I.E.	Rs. 20.000/- against quotations on	
J.			approved estimates	
4.	Technical	I.E.	Upto Rs. 40.00 lacs.	
•	Sanction of			·
	Estimate	CH.E & W.	Above Rs. 40.00 lacs.	
5.	Acceptance of	I.E.	Upto Rs. 40.00 lacs.	Acceptance letter &
٥.	Tender			bond will be signed
	Citati	CH.E & W.	Above Rs. 40.00 lacs.	by I.E.
6.	Variation	I.E.	Full on bond upto Rs. 2.00 lacs. 20%	
U.	Yanation		on bond above Rs. 2.00 lacs.	
		CH.E & W.	Full on bond above Rs. 2.00 lacs.	
7.	Extra Items.	I.E.	Full on bond upto Rs. 40.00 lacs, 20%	
1.	Extra rems.	1.1.	on bond above Rs. 40.00 lacs.	
		CH.E & W.	Full on bond above Rs. 40.00 lacs.	
8.	Time Extension	I.E.	Full on bond upto Rs. 2.00 lacs. 50%	
٥.	Time Extension	1.1	on bonds above Rs. 2.00 lacs.	-
			on bonds above 130. Evans	
		CH.E & W.	Full on bond above Rs. 2.00 lacs.	
9.	To rescind the	CH.E & W.	Full Power	!
9	Bond:	CILL & W.		
10	·	I.E.	Upto Rs. 2.00 lacs.	.
10.	Agreement by Selection	CH.E & W.	Above Rs. 2.00 lacs.	
		CH.E & W.	Full Power	,
11.	To implement new/revised	CH.E & W.	Tun Tower	
	1			
	schedule of rates.		i ·	
	Sanction of rates			
	of non schedule			
13	items		Upto 5 lacs, only tender notice to be	+
12.	Publication of		issued for wide publicity and above	
	tenders in news		5 lacs to be published in one national	
	papers.		and local daily news paper.	
		1	and local darry news paper.	1