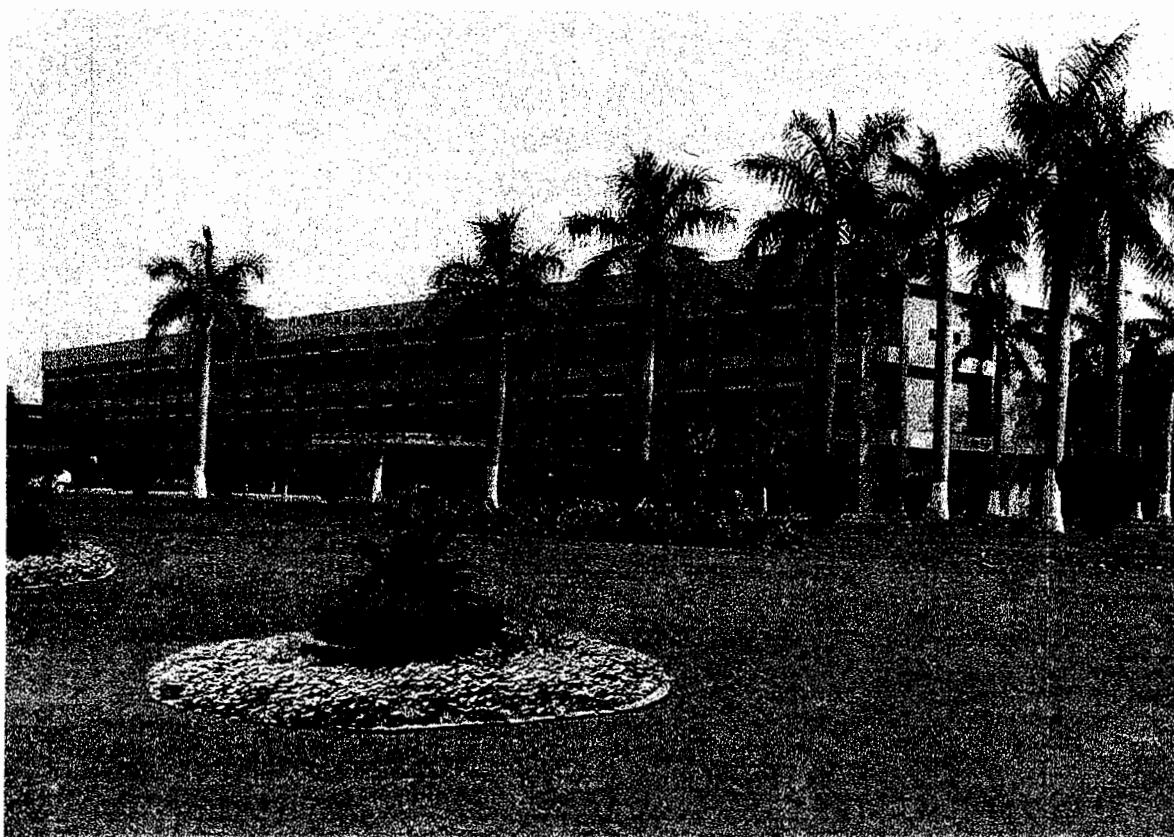




AGENDA FOR 8th

**MEETING OF BUILDING &
WORKS COMMITTEE**

MAY 28, 2007



**NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA-136119**

**AGENDA FOR 8TH MEETING OF BUILDING & WORKS
COMMITTEE**

**VENUE : Board Room
National Institute of Technology
Kurukshetra**

DAY : MONDAY

DATE : 28.5.2007

TIME : 11.00 AM

NATIONAL INSTITUTE OF TECHNOLOGY
KURUKSHETRA

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CONSTITUTION OF BUILDING AND WORKS COMMITTEE

- | | | |
|----|--|-------------|
| 1. | Dr. M.N. Bandyopadhyay,
Director,
National Institute of Technology,
Kurukshetra | Chairperson |
| 2. | Sh. Madan Mohan,
Director (NIT),
Ministry of Human Resource Development,
Deptt. of Higher Education,
Shastri Bhawan,
New Delhi-110001 | Member |
| 3. | Dr. R.P. Singh,
Council Member,
AICTE, Retd. Executive Director,
A-1, Chattarsal Nagar,
Phase-I, JK Road,
BHEL, Bhopal | Member |
| 4. | Dr. Krishan Gopal,
Dean (Planning & Development)
National Institute of Technology,
Kurukshetra | Member |
| 5. | Er. D.S. Sangwan,
Executive Engineer,
Karnal Central Division (Civil)
CPWD, Karnal 448 Subhash Colony,
Karnal | Member |
| 6. | Er. K.L. Suneja,
Executive Engineer,
Karnal Central Division (Electrical)
CPWD Karnal, 22 Indira Colony,
Karnal | Member |
| 7. | Er.MP Gupta,
Director, Technical Education Haryana,
SCO No.38-39, Sector 17-A,
Chandigarh | Member |

- | | | |
|-----|--|------------------|
| 8. | Dr. S.K. Sharma,
Dean (E, EM & C),
National Institute of Technology,
Kurukshetra | Special Invitee |
| 9. | Sh. Anil Kumar,
Professor, Deptt. of Architecture,
Deen Bandhu Sir Chhotu Ram Univ. of
Science & Technology,
Murthal | Special Invitee |
| 10. | Dr. H.K. Sharma,
Prof. In-charge (Estate & Construction),
National Institute of Technology,
Kurukshetra | Special Invitee |
| 11. | Er. B.M. Sharma,
Executive Engineer,
Construction Cell,
National Institute of Technology,
Kurukshetra | Special Invitee |
| 12. | Sh. D.K. Kaushik,
Assistant Engineer(Elect.)
National Institute of Technology,
Kurukshetra | Special Invitee |
| 13. | Sh. S.N. Kaushik,
Estate Officer,
National Institute of Technology,
Kurukshetra | Special Invitee |
| 14. | Sh. R.P.S. Lohchab,
Registrar,
National Institute of Technology,
Kurukshetra | Member-Secretary |

Item No.8.1

To confirm the minutes of 7th Meeting of Building and Works Committee held on 18.10.2006.

The minutes of the 7th meeting of Building & Works Committee held on 18.10.2006 were circulated amongst the members vide No.NIT/7th BWC/12244-54 dated 24.10.2006. No comments were received from any member. The minutes may, therefore, be confirmed.

Item No. 8.2

To report the action taken on the minutes of 7th meeting of Building & Works Committee held on 18.10.2006.

Item No.	Subject	Decision taken	Action taken
7.1	To consider the minutes of the 7 th meeting of BWC held on 18.10.2006.	Minutes confirmed	No action is required.
7.2	To report the action taken on the minutes of the 7 th meeting of BWC held on 18.10.2006.	The Committee noted the action taken on various decisions taken by BWC.	
		Item (14.3 & 15.2). The Chief Engineer, PWD(B&R) may again be requested to take up installation of tubewell for PWD Colony on priority basis	Tube well has not been installed by PWD as yet and the matter has again been pursued with PWD (B&R) Haryana. The Deptt. has been asked to expedite the work on priority basis.
		Item (19.3 & 4.4) BWC approved the RCE amounting to Rs. 167.62 lacs for Const. of 6 nos. Lecture Theatres.	Work completed and taken over
		Item (19.10) BWC approved the RCE amounting to Rs.30.26 lacs for Renovation of Existing Reflection Tank.	Work completed and taken over. A separate item No.8.20 is attached for RRCE (Final expenditure).
		Item(19.18 & 2.33) BWC approved the RRCE amounting to Rs.16.86 lacs for carrying out Renovation /Special repairs of Lawns in the Institute.	Work completed.
		Item (20.13) BWC approved auctioning of existing Gas Plant and to convert it into Canteen/any other	Quotations have been invited through advertisement in newspapers for auction of the Gas Plant.

		purposes.	
		Item (1.4) BWC approved the RCE amounting to Rs. 593.38 lacs for the Construction of (350 Seaters) Boys' Hostel at NIT, Kurukshetra	An amount of Rs.100 lacs has been received. Work is in progress. A separate item No.8.3 is attached.
		Item (1.6, 2.14 & 4.7) BWC approved the RRCE amounting to Rs.133.65 lacs for the Const. of External Boundary Wall of the NIT Kurukshetra.	Work completed and taken over.
		Item No. (2.19, 4.8, 6.4) The BWC approved the RRCE amounting to Rs.175.95 lacs for Const. of New Equipment Shop in Workshop	Work completed and taken over.
		Item No. (2.21) The BWC approved the RCE amounting to Rs.18.67 lacs for Prov. of High Mast Security Lights & boundary in the Community Park out of Plan grant and Rs.1.49 lacs out of Institute Dev. Fund.	Work completed and taken over.
		Item No. (2.23) The BWC approved the RCE amounting to Rs.5.00 lacs for Prov. of Green Room etc. at Open Air Theatre.	Work completed and taken over. A separate item No.8.20 is attached.
		Item No. (2.25 & 6.3) The BWC approved the RRCE amounting to Rs.366.81 lacs for Const. of Adm. Block in lieu of class rooms.	The architectural drawings have been approved and the work has been allotted to CPWD for execution.

		Item No. (2.35) The BWC approved the RCE amounting to Rs.40.15 lacs for Renovation of Lecture Theatres, Labs. etc	Work completed and taken over.
		Item No. (2.36) The BWC approved the RCE amounting to Rs.30.25 lacs for Replacement of water supply & public health disposal pump and distribution network.	Work completed and taken over.
		Item No. (2.37) The BWC approved the RCE amounting to Rs.20.03 lacs for Renovation of electrical fittings in Workshop.	Work completed and taken over. A separate item No.8.20 is attached.
		Item No. (2.38 & 4.10) The BWC approved the RRCE amounting to Rs.22.01 lacs for Repair/ modification of Instructional building.	Work completed and taken over.
		Item No. (2.41 & 4.17) The BWC approved the RCE amounting to Rs.302.00 lacs for installation of HT/LT sub station.	Rs.50 lacs has been allocated so far. The preparation of drawings and design is in progress. Work allotted to CPWD
		Item No. (3.8) The BWC approved a sum of Rs. 70.00 lacs for Special repair, renovation and miscellaneous works in the Institute for the year 2005-06 including Rs. 10.00 lacs for the replacement of furniture in Ist year hostel.	Work completed.

		Item No. (3.9) The BWC approved the RCE amounting to Rs. 15.74 lacs for the Construction of External boundary wall of Hostel no.3	Work completed and taken over.
		Item No.(4.9) The BWC approved the RCE amounting to Rs.21.97 lacs for Renovation of Old Library Building at NIT Kurukshetra out of funds from TEQIP.	Work completed and taken over. A separate item No.8.20 is attached.
		Item No. (4.13) The BWC approved Rs. 15.00 lacs for carrying out modifications, alterations and renovations of existing laboratories.	Expenditure to be met from the "Institute Development Fund". Work is in progress.
		Item No. (4.14) The BWC approved the RCE amounting to Rs. 41.27 lacs for snowcem work on outside walls of residences at NIT Kurukshetra.	Work completed and taken over.
		Item No. (4.15) The BWC decided that for the time being, the present arrangement of getting the work done from the NBCC may be continued. The performance of both the agencies i.e. NBCC and the State PWD (B&R) may be reviewed.	NBCC has been asked to complete ongoing works by March, 2007. Institute has started Own Construction Cell. Further, new works have also been allotted to CPWD.
		Item No. (5.2) The BWC approved the RCE amounting to Rs.21.69 lacs for Extension of	Work completed and taken over.

		Mechanical Engg. Block alongwith NBCC charges 8% i.e. Rs. 1.74 lac to be met from Institute Development Fund.	
		Item No. (5.3) The BWC approved the RCE amounting to Rs.22.47 lacs for providing facilities viz. false ceiling, air-conditioning etc. Computing & Networking Centre, NIT Kurukshetra alongwith NBCC charges 8% i.e. Rs. 1.80 lac to be met from Institute Development Fund.	Work completed and taken over. A separate item No.8.20 is attached.
		Item No. (5.4) The BWC approved the RCE amounting to Rs.19.44 lacs for Renovation of Administrative Block at NIT Kurukshetra alongwith NBCC charges 8% i.e. Rs. 1.55 lac to be met from Institute Development Fund.	Work completed and taken over.
		Item No. (5.5) The BWC approved the RCE amounting to Rs.14.79 lacs for Special repair of water channel at roof in Workshop alongwith NBCC charges 8% i.e. Rs. 1.18 lac to be met from Institute Development Fund.	Work completed and taken over. A separate item No.8.20 is attached.
		Item No. (5.6) The BWC approved the	Work completed and taken over. A separate item

		RCE amounting to Rs.2.83 lacs for Renovation of Electrical Lab.& Conference Room (one no.) alongwith NBCC charges 8% i.e. Rs. 0.23 lac to be met from Institute Development Fund.	No.8.20 is attached.
		Item No. (6.9) The Building & Works Committee approved the RCE amounting to Rs. 4.24 lacs for provision of air-conditioning, false ceiling and carpeting etc. in new lab.	Work completed and taken over.
7.3	To consider and approve the cost estimates for the Provision of Class Rooms, Laboratories and office rooms on the 1st floor of New Equipment Shop at Workshop	The Building & Works Committee approved the RRCE amounting to Rs.281.72 lacs for the Provision of Class Rooms, Laboratories and office rooms on the 1st Floor of New Equipment Shop at Workshop as per details furnishes in agenda item	Tender has been invited.
7.4	To consider and approve the cost estimate for extension of Director's Residence.	The Building & Works Committee approved the RRCE amounting of Rs.18.63 lacs for extension of Director's Residence. The cost estimate may be reviewed.	Tender has been invited.
7.5 & 6.8	To consider and approve the RCE for Premix carpeting at National Institute of	The Building & works committee approved the RCE amounting to Rs. 13.22 lacs for	Tender has been invited.

	Technology, Kurukshetra.	Premix Carpeting at NIT, Kurukshetra.	
7.6	To consider and approve provision of Barbed wire fencing over existing old boundary wall	The Building & Works Committee approved the action taken by Chairman, Building & Works Committee estimated at an estimated amount of Rs.4.94 lacs for Barbed wire fencing over existing old boundary wall	Work completed and taken over
7.7	To consider and approve provision of Grills etc. at Ist and 2 nd floor in New Girls Hostel (200 seaters)	The Building & Works Committee approved the action taken by the Chairman Building and Works Committee for the work amounting to Rs.2.92 lacs.	Work completed and taken over
7.8	To consider and approve the demolition of one block of scooter stand for extension of Mech. Engg. Block.	The Building & Works Committee approved the proposal for demolition of one block of scooter stand for extension of Mech. Engg. Block.	Work completed
7.9	To consider and approve the construction of boundary wall around community park on Western side of DB-1 & DA-10.	The Building and Works Committee approved the RRCE of Rs.3.781 lacs for the construction of boundary wall around community park on Western side of DB-1 & DA-10.	Work completed and taken over
7.10	To consider and approve renovation of Administrative Block at NIT, Kurukshetra	The Building & Works Committee approved the action taken by Chairman Building & Works Committee for the renovation of Administrative Block at NIT, Kurukshetra at an estimated cost of Rs.19.44 lacs plus	Work completed and taken over

		Rs.1.55 lacs as NBCC charges	
		Item (19.4) BWC approved the RCE amounting to Rs. 221.80 lacs for Construction of a Gymnasium Hall in the Institute.	Funds are yet to be allocated by the Institute.
		Item (19.15) BWC approved the RCE amounting to Rs.18.39 lacs. for the Construction of Training & Placement Department building in the Institute.	Funds are yet to be allocated by the Institute.
		Item (17.16, 20.12 & 1.9) BWC approved the RRCE amounting to Rs. 64.15 lacs for Const. of Community Centre in Institute.	Funds are yet to be allocated by the Institute.
		Item No. (2.40) The BWC approved the RCE amounting to Rs. 8.00 lacs for Provision of geysers and exhaust fans in hostel toilets. BWC in its 7 th meeting, however, decided that the institute may opt for Solar Heaters instead of geysers and advantage of Govt. subsidy on Solar Heaters may be taken for the purpose.	Funds are yet to be allocated by the Institute.
		Item No. (2.42 & 4.17) The BWC approved the RCE amounting to Rs.154.00 lacs for installation of DG sets.	Funds are yet to be allocated by the Institute.
		Item No. (4.3) The	Funds are yet to be allocated

		BWC approved the RCE amounting to Rs. 85.44 lacs for glazed tiles in Hostels, Guest House, Residences (Toilets and kitchens) and Instructional Building Toilets.	by the Institute.
		Item No. (4.6) The BWC approved the clearing of final liabilities of Rs.0.74 lacs for PCC approach path to the residences. The GOI was requested to release the said amount of Rs.0.74lacs.	Pending liability yet to be cleared.
		Item No. (4.11) The BWC approved the RCE amounting to Rs. 27.99 lacs for reconstruction of damaged/cracked/tilted compound walls in G type Houses of the campus.	Funds are yet to be allocated by the Institute.
		Item No. (4.12 & 6.16) The BWC approved the RRCE amounting to Rs. 240.76 lacs for Construction of Swimming Pool at NIT Kurukshetra.	Funds are yet to be allocated by the Institute. Work allocated to CPWD.
		Item No. (4.18) The BWC approved the estimate amounting to Rs.10.00 lacs for special repair, renovation and miscellaneous works relating to Electrical Maintenance in the Institute.	Funds are yet to be allocated by the Institute.
		Item No. (6.5) The Building & works	Funds are yet to be allocated by the Institute.

		Committee approved the RRCE amounting to Rs. 15.62 lacs for Provision of Community Scooter Stand for E&F type houses at NIT Kurukshetra.	
		Item No. (6.6) The Building & works committee approved the RCE amounting to Rs. 28.48 lacs for Construction of Stores in G-type houses at NIT Kurukshetra	Funds are yet to be allocated by the Institute.
		Item No. (6.7) The Building & Works Committee approved the RCE of Rs. 5.00 lacs for Renovation/special repair of Old Health Centre Building.	Funds are yet to be allocated by the Institute.
		Item No. (6.10) The Building & Works Committee approved the RCE amounting to Rs. 26.95 lacs for provision of two nos. Institute Main Gates.	Funds are yet to be allocated by the Institute.
		Item No. (6.11) The Building & Works Committee approved the RCE amounting to Rs. 40.02 lacs for provision of Badminton Hall in the Institute.	Funds are yet to be allocated by the Institute.
		Item No. (6.12) The Building & Works Committee approved the RCE amounting to Rs. 46.55 lacs for Construction of 4 nos.	Funds are yet to be allocated by the Institute.

		mess staff bearers barracks.	
		Item No. (6.13) The Building & Works Committee approved the RCE amounting to Rs. 30.57 lacs for Provision of Stores in Hostels.	Funds are yet to be allocated by the Institute..
		Item NO. (6.14) The Building & Works Committee approved the RCE amounting to Rs. 52.07 lacs for Renovation of offices of faculty and other officers.	Funds are yet to be allocated by the Institute.
		Item No (6.15) The Building & Works Committee approved the RCE amounting to Rs. 49.29 lacs for Provision of graded seating arrangement for 2000 persons in OAT.	Funds are yet to be allocated by the Institute. Work allocated to CPWD

Item No.8.3 To consider and approve RRCE amounting to Rs.939.08 lacs for the construction of 350 seaters boys hostel at National Institute of Technology, Kurukshetra

The proposal for the construction of 350 seaters boys hostel was approved by BWC in its first meeting vide item No.1.4 at an estimated cost of Rs.593.38 lacs. The matter was placed in the subsequent meetings and because of non availability of funds, the work could not be started. A Review Committee Meeting was held on 6.7.2006 to review the works approved in the BWC from priority angle and critical analysis of its need. Due to increase in intake in B.Tech. courses from 330 to 540 per year, introduction of six new M.Tech. Courses and MBA course, the committee decided that the construction of hostels be given top priority. Accordingly, administrative approval was conveyed to NBCC for the construction of 350 seaters boys hostel and in the 7th meeting of BWC held on October 18, 2006, matter was accordingly informed. On the basis of the revised cost estimate submitted by NBCC for the construction of 350 seaters boys hostel amounting to Rs.903.78 lacs, Hon'ble Chairman, BOG has already accorded his approval in principle. However, with the decision to introduce own construction cell, all construction works allotted to NBCC were withdrawn. The Institute Construction Cell accordingly, appointed Architect Consultant M/s Saakaar Foundation, Chandigarh, who submitted cost estimate of Rs.793.87 lacs for construction of 350 seaters Boys Hostel. The work of construction of 350 seaters Boys Hostel was then allotted to M/s Allied Engineers, Gharaunda (Karnal) through open tender at an approximate cost of Rs.939.08 lacs.

It is, therefore, requested that BWC may please consider and approve the proposal for the construction of 350 seaters boys hostel at the revised cost estimate of Rs.939.08 lacs as the matter is very urgent and of essential nature.

**REVISED COST ESTIMATE FOR CONSTRUCTION
OF 350 SEATERS BOYS HOSTEL AT NIT,
KURUKSHETRA**

Sr.No.	Description of work	Amount (Rs.in lacs)
1	Internal Civil works (schedule items)	803.81
2	Internal Civil works (Non-schedule items)	43.53
3	Internal Public Health Services (Schedule items)	24.43
4	Internal Public Health Services (Non-Schedule items)	17.94
5	Internal Electrical Services (Schedule items)	23.44
6	Internal Electrical Services (Non-Schedule items)	25.93
	Total	939.08

Sd/-
Executive Engineer
Construction Cell
NIT Kurukshetra

Item No.8.4 To consider and approve cost estimate for construction of 12 numbers Lecturer Halls at National Institute of Technology, Kurukshetra.

Presently, there are 16 numbers Lecture Theatres available in the Institute at different locations. However, Govt. of India has increased the intake of students to 540 and 314 at UG and PG level respectively during the current academic year 2006-07. Further, because of the expected increase in intake due to introduction of new UG and PG courses and enhancement in student strength at UG and PG level, there is an immediate requirement of additional lecture halls. Since Institute has already exhausted its surplus capacity and presently lectures are organized in the examination hall, conventional type of rooms, laboratories and conference halls, etc., there is an immediate requirement to construct at least 12 lecture halls with all modern communication facilities. In view of this, it is proposed to construct a cluster of lecture halls complex each with a capacity of 90 students fully equipped with false ceiling, aesthetic treatment and all audio visual aids.

The architect consultant, M/s S.K. Integrated, New Delhi submitted cost estimate of Rs.148 lacs for the construction of 12 lecture halls in the Institute.

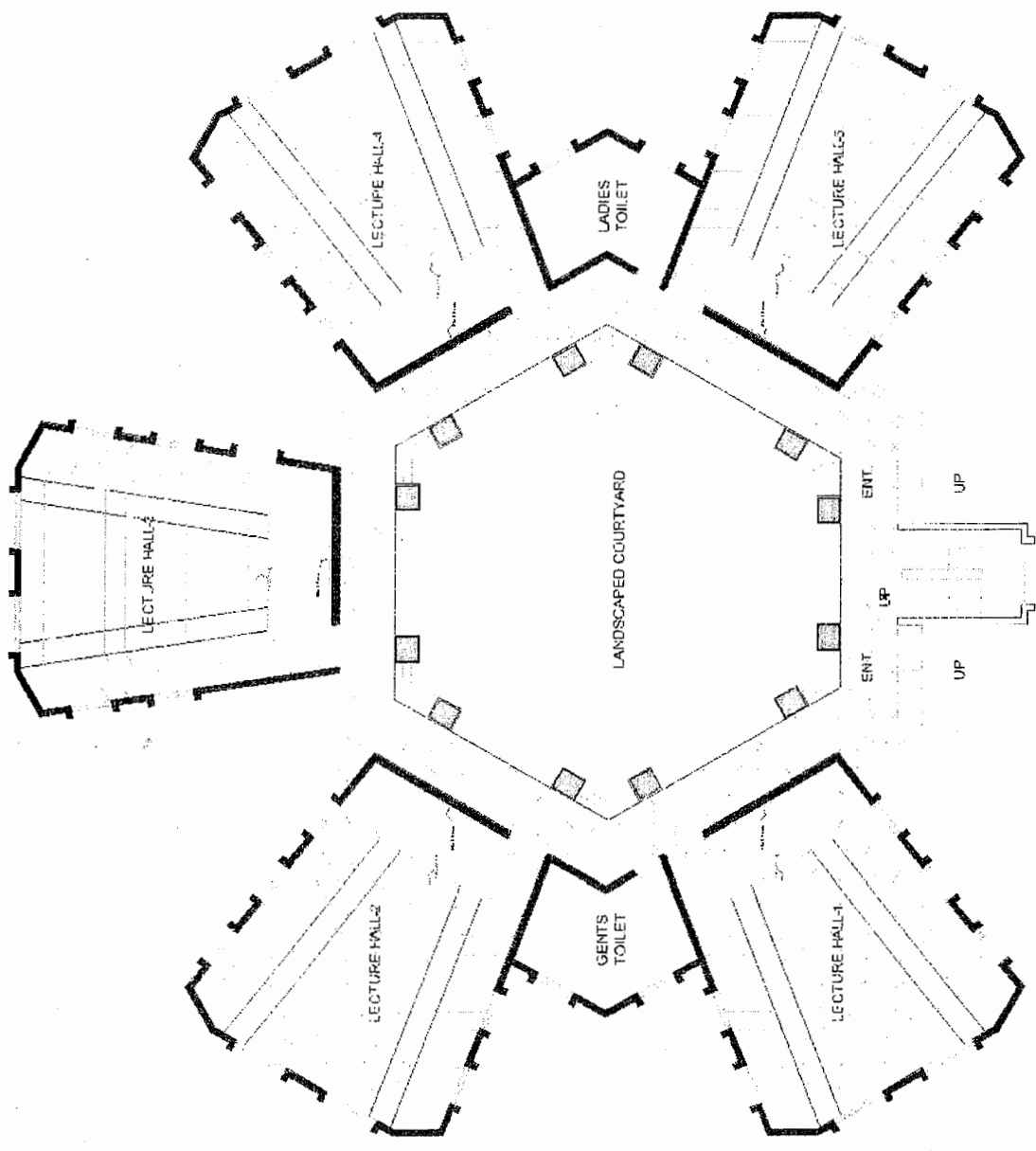
It is, therefore, requested that BWC may approve and accord approval amounting to Rs.148 lacs for the construction of 12 numbers additional lecture halls in the Institute.

**COST ESTIMATE FOR CONSTRUCTION OF ADDITIONAL A CLUSTER OF
12 NOS. CLASS ROOMS, AT NATIONAL INSTITUTE OF TECHNOLOGY,
KURUKSHETRA**

Sr. No.	Description	Qty.	Unit	Rate	Amount (In Rs.)
1	Building portion (Part Ground floor + First Floor): (Full building is RCC)	1425	Sqm.	3700	5272500
	Total (A)				5272500
2	Add escalation for increased rates based on plinth area @ 50% on amount A= (B)				2636250
	Total (A + B) = C				7908750
	SERVICES				
3	Provision of internal water supply & PH services @ 12.5% of building cost i. e. on amount- C				988594
4	Provision of internal E. I. services @ 8% of building cost i. e. on amount- C				632700
5	Provision of external services @5% of building cost i. e. on amount- C				395438
6	Provision of Anti Termite Treatment (L. S.)	1425	Sqm.	100	142500
7	Extra for water proofing				500000
8	Extra for teak wood in frames and paneled doors (L. S.)				500000
9	Extra for P O P (L. S.)				500000
10	Provision for Furniture				1500000
	Total (D)				13067981
11	Add for electrical work @ 10% of building cost i. e. on amount- D				1306798
	Add contingencies & petty establishment charge @ 3% on 'D'				392039
	Grand Total				14766819
	Cost per Sqm. = Rs.10,386/-				Say Rs. 14800000/-
	Cost per Sq. ft. = Rs.965/-				

Sd/-

Executive Engineer,
Construction Cell,
N. I. T., Kurukshetra



GROUND FLOOR PLAN
15/09/2011

PROJECT :-
PROPOSED CLUSTER OF LECTURE HALLS
AT NIT KURUKSHETRA



S. K. Integrated Consultants
280 Deepali Enclave, Pitampura,
Delhi-110034
Tel. 01127023208, 01127022978
An (ISO 9001-2000) company

NAME OF DWG	DATE
GROUND FLOOR PLAN	
CATEGORY	
SCALE	NTS
ATTN	

Item No.8.5 To consider and approve construction of extension of existing Lecture Theatres (03 Nos.) in Computer Engineering Block at National Institute of Technology, Kurukshetra.

At present, there are 16 numbers lecture theatres available in the Institute. With the recent decision of the Govt. of India to increase the intake of 540 and 314 students at UG and PG level respectively during the academic year 2006-07, the Institute has already exhausted its surplus capacity and there is a shortage of Lecture Theatres. Besides, about 10 lecture halls were constructed about 40 years back lacking all modern amenities. With the recent advancement in the communication techniques, there is, therefore, an urgent need to construct modern lecture theatres with latest communication amenities to enable faculty to deliver goods to the students.

In view of this, it is proposed to construct more lecture theatres with a capacity of 90 students, equipped with false ceiling, acoustic treatment and all modern audio visual amenities. Six number lecture theatres constructed recently are proposed to be extended vertically to have additional 3 lecture theatres on the second floor to save cost of construction. The Architect consultant, M/s S.K. Integrated, New Delhi submitted estimate of Rs.32 lacs for the extension of these lecture theatres.

It is, therefore, requested that BWC may consider and accord approval amounting to Rs.32 lacs for the construction of 3 number additional lecture theatres in Computer Engineering Department of the Institute.

**COST ESTIMATE FOR CONSTRUCTION OF EXTENSION OF EXISTING
LECTURE THEATRES (03 NOS.) IN COMPUTER ENGG. BLOCK, AT
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA**

Sr. No.	Description	Qty.	Unit	Rate	Amount (In Rs.)
1	Building portion (First Floor): (Full building is RCC)	328.85	Sqm.	4100	1348285
	Total (A)				1348285
2	Add escalation for increased rates based on plinth area @ 50% on amount A= (B)				674142
	Total (A + B) = C				2022427
	SERVICES				
3	Provision of internal water supply & PH services @ 12.5% of building cost i. e. on amount- C				252803
4	Provision of internal E. I. services @ 8% of building cost i. e. on amount- C				161824
5	Provision of external services @5% of building cost i. e. on amount- C				101140
6	Provision of Anti Termite Treatment (L. S.)	328.85	Sqm.	100	32885
7	Extra for water proofing				100000
8	Extra for teak wood in frames and paneled doors (L. S.)				100000
9	Extra for P O P (L. S.)				100000
10	Provision for Furniture				200000
	Total (D)				3071079
	Add contingencies & petty establishment charge @ 3% on 'D'				92132
	Add architectural charge @ 1% on amount 'D'				30710
	Grand Total				3193921
	Cost per Sqm. = Rs.9,712/-				
	Cost per Sq. ft. = Rs.902/-				
				Say Rs. 32.00Lacs	

Sd/-

Executive Engineer,
Construction Cell,
N. I. T., Kurukshetra

Item No.8.6 To consider and approve cost estimate for the construction of Mega Boys Hostel of 1000 capacity at National Institute of Technology, Kurukshetra

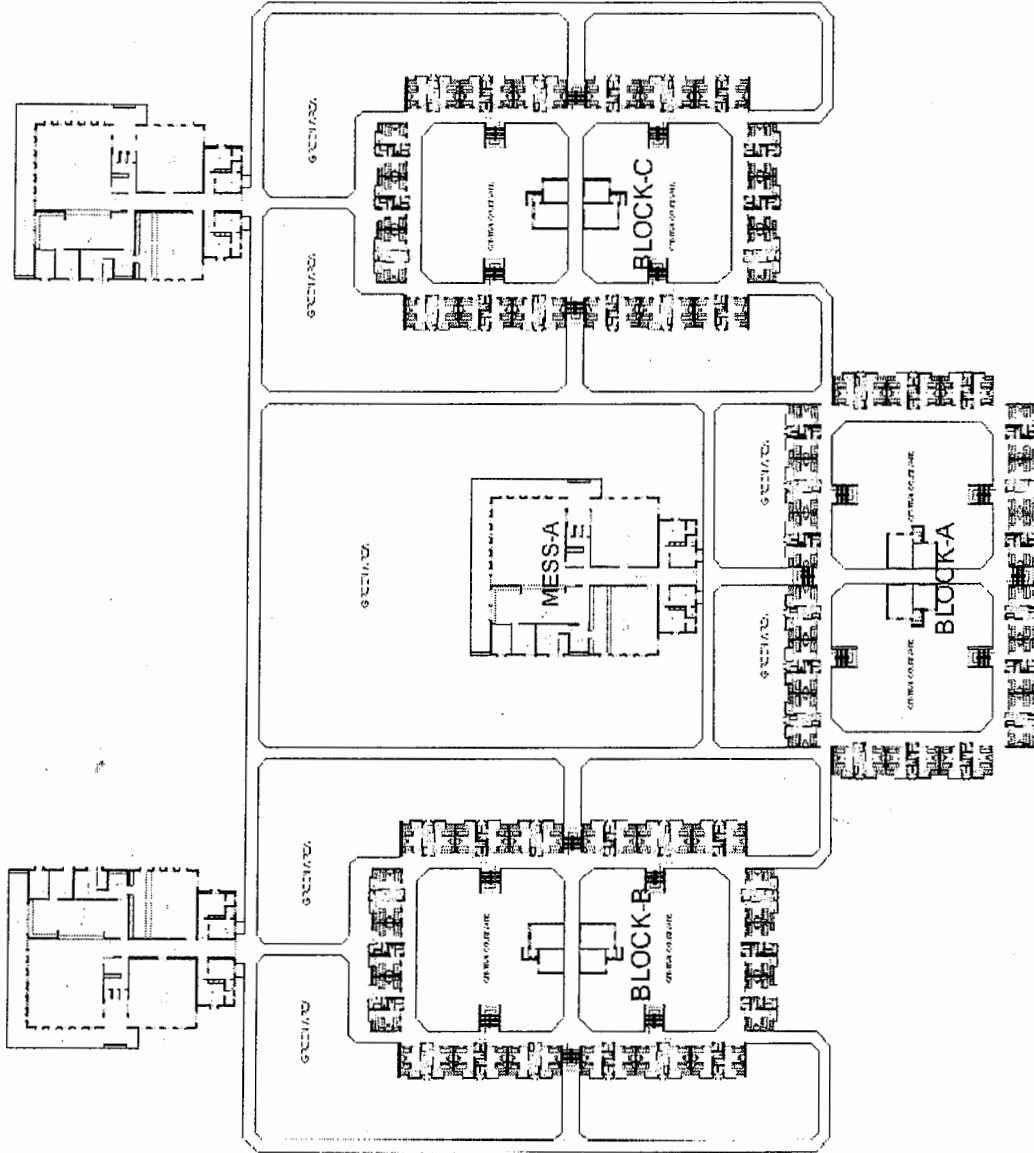
Presently there are 5 numbers UG and one number PG hostel having a capacity of about 1350 seats available for boys. The construction of 350 seater boys hostel already approved vide item No.1.4 is in progress. The Govt. of India in the year 2006-07, however, has increased intake to 540 and 314 (including 60 students in self financing MBA course) at UG and PG levels, respectively. Due to this increase in intake, the Institute has already exhausted its surplus capacity existed in some sectors and is facing acute shortage of resources in sectors like hostels, class rooms, etc. Hence, to cope up the increased strength, an additional boys hostel of about 1000 capacity is proposed to be constructed during the year 2007-08 to cater immediate requirement because of increase in intake during the year 2007-08 and 2008-09.

The architect consultant, M/s S.K. Integrated, New Delhi submitted cost estimate of Rs.2500 lacs for the construction of mega hostel of 1000 capacity for boys.

It is, therefore, proposed that BWC may please consider and approve the above proposal for the construction of an additional Mega Boys Hostel of 1000 capacity at an estimated cost of Rs.2500 lacs as the work is very urgent and essential in nature.

**COST ESTIMATE FOR THE CONSTRUCTION OF MAGA BOYS HOSTEL OF 1000CAPACITY AT
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA, HARYANA.**

S. No.	Description	Qty.	Unit	Rate	Amount
1	Building portion (Ground floor + First floor + Second Floor) : (Full building is RCC)	33000	Sqm.	3450	113850000
2	Extra for foundation	11000	Sqm.	400	4400000
	Total (A)				118250000
3	Add escalation for increased rates based on plinth area @ 50% on amount A = (B)				59125000
	Total (A + B) = C				177375000
	SERVICES				
4	Provision of internal water supply & PH services @ 12.5% of building cost i.e on amount - C				22171875
5	Provision of internal E.I. services @ 8% of building cost i.e on amount - C				14190000
6	Provision of external services @ 5% of building cost i.e on amount - C				8868750
7	Provision of anti Termite Treatment (L.S.)	18000	Sqm.	100	1800000
8	Extra for water proofing				1500000
9	Extra for cup board (L.S.)				10000000
10	Earth filling (L.S.)				2500000
11	Land development @ 2% of building cost i.e on amount - C				3547500
	Total(D)				241953125
	Add contingencies & petty establishment charges @ 3% on D				7258594
	GRAND TOTAL				249211719
				Say Rs.	2500 Lacs
	Cost per Sqm. = Rs.7,576/-		Sd/-		
	Cost per Sq. ft. = Rs. 704/-				
			Executive Engineer,		
			Construction Cell		
			NIT, Kurukshetra		



GROUND FLOOR PLAN
(G+0)

PROJECT :-

PROPOSED 1000 SEATER BOYS HOSTEL
AT NIT KURUKSHETRA



S. K. Integrated Consultants
280 Deepali Enclave, Pitampura,
Delhi-110034
Tel. 01127023208, 01127022978
An (ISO 9001-2000) company

NAME OF UNIT :-
GROUND FLOOR PLAN

CATEGORY :-

SCALE :- NTS

A.T. NO.

Item No.8.7 To consider and approve cost estimate for the construction of additional Office Rooms for faculty/staff at National Institute of Technology, Kurukshetra

The faculty, secretarial staff, administrative and technical staff of the Institute is facing acute shortage of office accommodation because of non-availability of sufficient space at the Institute. Many faculty and other supporting staff are sharing office rooms thereby causing hardship in working environment. The administrative and technical supporting staff have not been provided office rooms as per their dignity and status. Further, with the increase in intake of students and introduction of new PG and UG courses, the strength of faculty, administrative and technical supporting staff will also increase significantly. In view of this, it is necessary to construct office rooms for faculty, administrative, and technical supporting staff to give them congenial environment so that they can work efficiently.

The Executive Engineer, Construction Cell, NIT, Kurukshetra has submitted a cost estimate for the construction of office rooms for faculty, administrative and technical supporting staff at an estimated cost of Rs.103.00 lacs for the construction of office rooms for faculty and administrative officers.

The BWC may consider and accord administrative approval for construction of office rooms for faculty and administrative staff in the Institute.

**COST ESTIMATE FOR CONSTRUCTION OF ADDITIONAL OFFICE ROOMS
FOR FACULTY/STAFF AT NATIONAL INSTITUTE OF TECHNOLOGY,
KURUKSHETRA**

SR.NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
1.	Covered as per revised rate vide E.I.C Memo No. 1578-1668/ W.I. dated. 26.04.2001 read with E.I.C letter Memo No. 16174-89/ W.I. dated. 27.11.2006	1500	Sqm	5850	8775000.00
2.	Provision for P.H. Services @4% of the total cost of building i.e. 8775000.00				351000.00
3.	Provision for E.I. Internal Services@ 8% of the total cost of building i.e. 8775000.00				702000.00
4.	Provision for land Scaping@1% of the total cost of building i.e. 8775000.00				87750.00
					9915750.00
	Add 3% contingency charges				297472.00
	Add 1% Architectural charges				99157.00
	Grand Total				10312379.00

Say Rs. 103 Lacs

Sd/-

Executive Engineer,
Construction Cell,
N. I. T., Kurukshetra

Item No.8.8 To consider and approve the cost estimate for the construction of additional girls hostel (300 capacity) at National Institute of Technology, Kurukshetra.

The existing girls hostels having a capacity of 120 and 198 seats were constructed in 3 phases. Earlier, the number of girls students taking admission in Engineering Disciplines was negligible, which increased manifold during the last decade. Consequently, there is an immediate need to increase seats in the girls hostel. Also, because of increase in intake of 540 and 314 at UG and PG levels respectively during the academic year 2006-07 more and more girls students are expected to take admission in future. Therefore, it is anticipated that the strength of the girls students will cross 500 numbers in the near future. Thus, there is a need to augment capacity of the girls hostel by at least 300. The architect consultant, M/s S.K. Integrated, New Delhi submitted cost estimate of Rs.810 lacs for the construction of 300 seaters additional girls hostel.

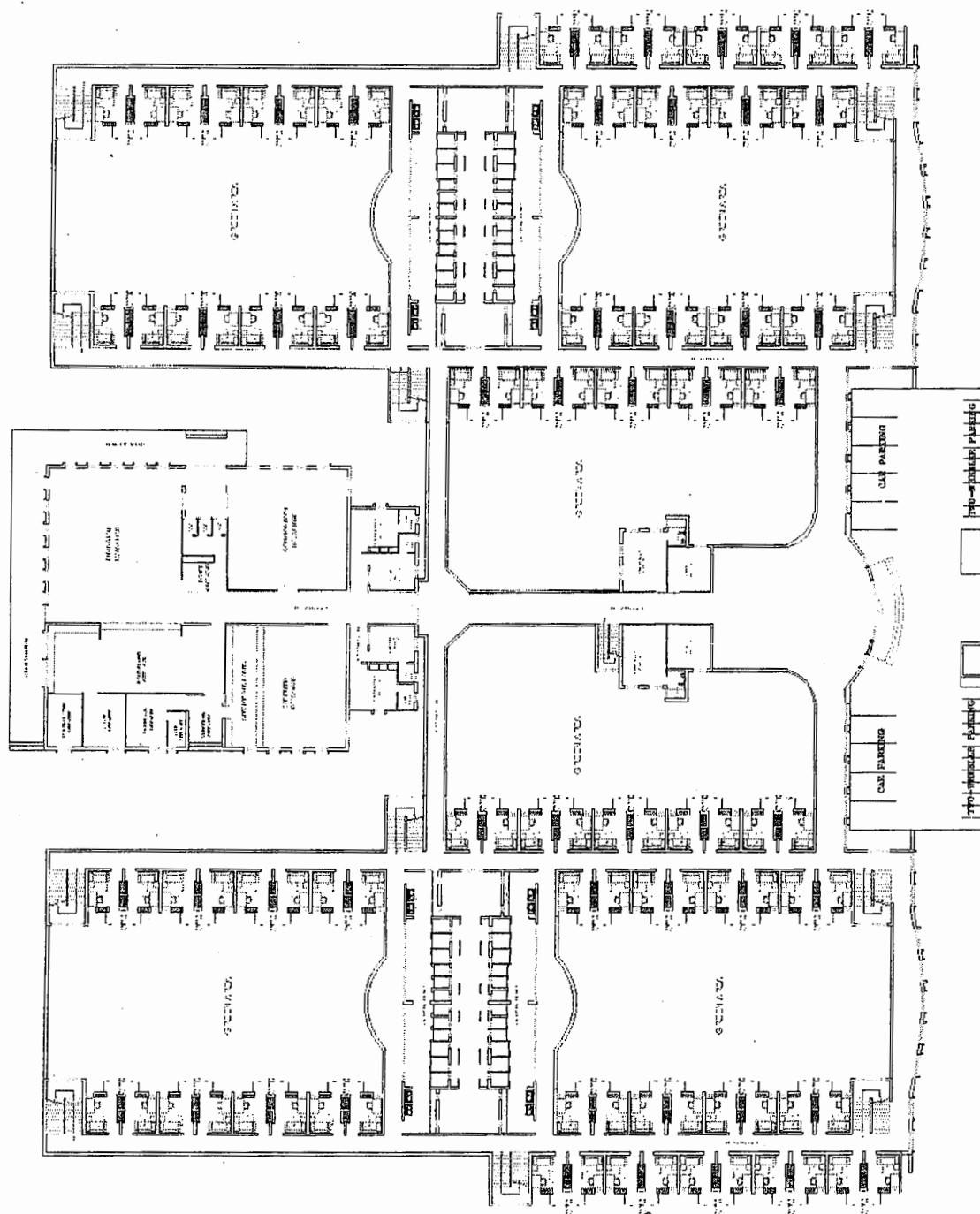
In view of the position explained above, it is proposed that the BWC may consider and approve construction of an additional girls hostel having capacity of 300 seats at an estimated cost of Rs.810 lacs.

COST ESTIMATE FOR CONSTRUCTION OF ADDITIONAL GIRLS HOSTEL FOR 300 SEATERS CAPACITY, AT NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

Sr. No.	Description	Qty.	Unit	Rate	Amount (In Rs.)
1	Building portion (Ground floor + First Floor + Second Floor): (Full building is RCC)	9985.71	Sqm.	3450	34450699
2	Extra for foundation	3328.57	Sqm.	400	1331428
3	Extra for ruff foundation	3328.57	Sqm.	600	1997142
	Total (A)				37779269
4	Add escalation for increased rates based on plinth area @ 50% on amount A= (B)				18889634
	Total (A + B) = C				56668903
	SERVICES				
5	Provision of internal water supply & PH services @ 12.5% of building cost i. e. on amount- C				7083613
6	Provision of internal E. I. services @ 8% of building cost i. e. on amount- C				4533152
7	Provision of external services @5% of building cost i. e. on amount- C				2833445
8	Provision of Anti Termite Treatment (L. S.)	6000	Sqm.	100	600000
9	Extra for water proofing				500000
10	Extra for cup board (L. S.)				3000000
11	Extra for filling (L. S.)				500000
12	Land development @2% of building cost i. e. on amount- C				1133378
13	Provision of App. Road (L.S.)				1000000
	Total (D)				77852851
	Add contingencies & petty establishment charge @ 3% on 'D'				2335585
	Add architectural charge @ 1% on amount 'D'				778528
	Grand Total				81006964
	Cost per Sqm. = Rs.8,112/-				
	Cost per Sq. ft. = Rs.754/-				
				SayRs. 810.00 Lacs	

Sd/-

Executive Engineer,
Construction Cell,
N. I. T., Kurukshetra



GROUND FLOOR PLAN
(G+2)

PROJECT
PROPOSED 300 SEATER GIRLS HOSTEL
AT NIT KURUKSHETRA

NAME OF USER
3-GROUND FLOOR PLAN

CATEGORY

S.A.E. NTS

ATTN.



S. K. Integrated Consultants
280 Deepali Enclave, Pitampura,
Delhi-110034
Tel. 01127023208, 01127022978
An (ISO 9001-2000) company

Item No.8.9 To consider and approve construction of Convocation Hall of 3000 capacity at National Institute of Technology, Kurukshetra.

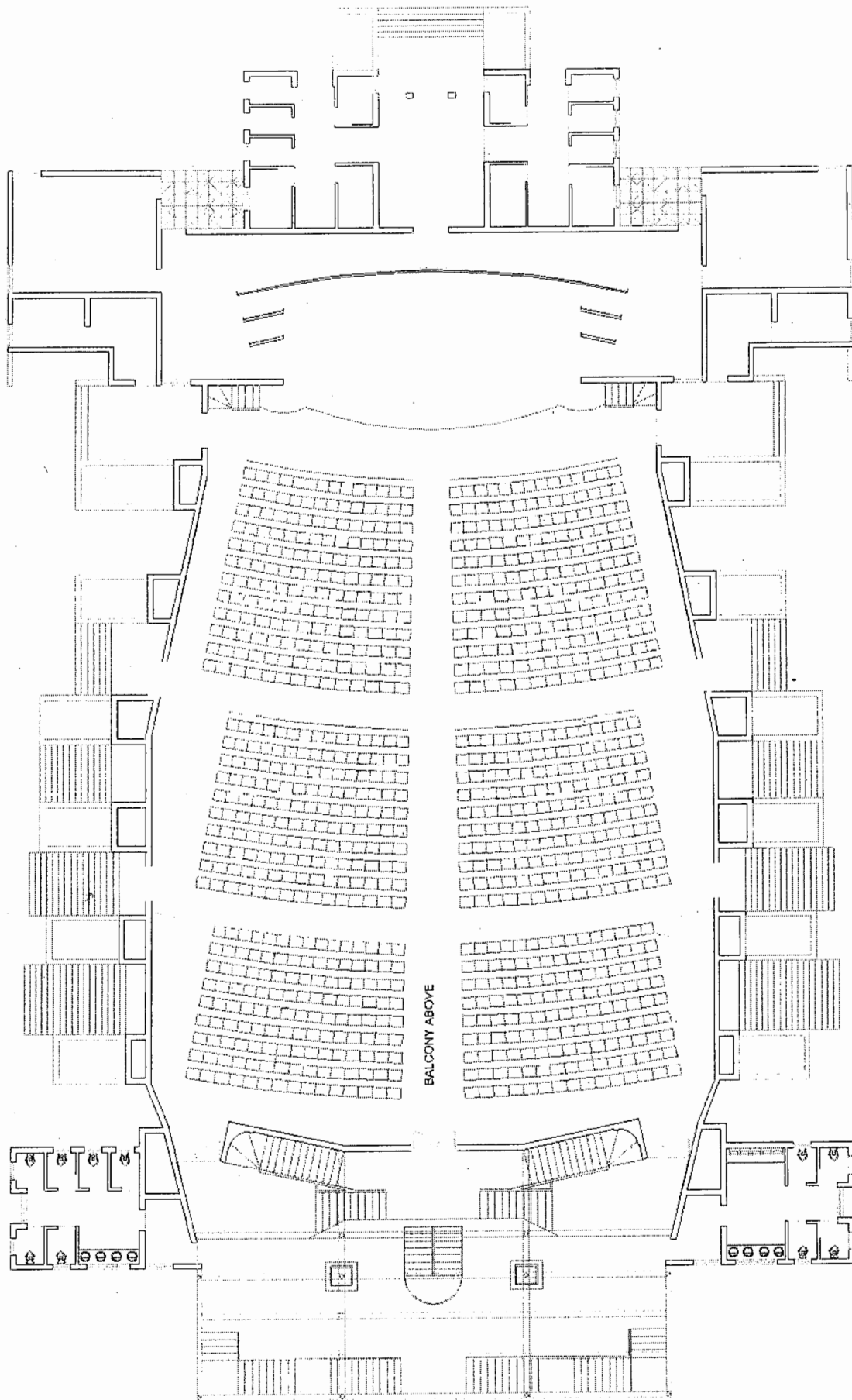
The Institute organizes various seminars, conferences and workshops of National and International level frequently covering various disciplines. With Deemed University status given to the Institute, the Institute also organizes its annual convocation. Being a Central Government Institute, Chief Guest is normally an eminent personality either from the Central/State Government. Presently, we have Jubilee Hall and Senate Hall which have very small seating capacity of about 350 and 150 respectively. With the increase in intake at UG and PG level to 540 and 314 respectively during the academic year 2006-07 and further enhancement in the strength in future, the total intake in the year 2009-10 will be much higher due to introduction of new courses. The faculty and non faculty position will also be increased proportionately in the coming years. Since at present, there is only one Jubilee Hall of 350 capacity available in the Institute to organize programmes like annual convocation, non-availability of Convocation Hall may cause severe hardship during such occasions in future. Hence, it is proposed to construct a Convocation Hall with a seating capacity of 3000 equipped with false ceiling, aesthetic treatment and modern audio visual aids, etc..

The architect consultant, M/s S.K. Integrated, New Delhi submitted cost estimate of Rs.550 lacs for the construction of Convocation Hall at the Institute.

The BWC is requested to approve and accord administrative approval amounting to Rs.550 lacs for the construction of Conventional Hall at the Institute.

**COST ESTIMATE FOR CONSTRUCTION OF CONVOCATION HALL 3000 STUDENTS
CAPACITY AT NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA, HARYANA.**

S. No.	Description	Qty.	Unit	Rate	Amount
1	Building portion (G.F. + First balcony) : (Full building is RCC except top trussed roof)	3000	Sqm.	4600	13800000
2	Extra for double height portion	1500	Sqm.	400	600000
	Total (A)				13800000
3	Add escalation for increased rates based on plinth area @ 50% on amount A = (B)				6900000
	Total (A + B) = C				20700000
	SERVICES				
4	Provision of internal water supply & PH services @ 7% of building cost i.e on amount - C				1449000
5	Provision of internal E.I. services @ 12.5% of building cost i.e on amount - C				2587500
6	Provision of internal external services @ 5% of building cost i.e on amount - C				1035000
7	Provision of anti Termite Treatment	2000	Sqm.	100	200000
8	Land development @ 2% of building cost i.e on amount - C				414000
9	Earth filling (L.S.)				150000
10	Concrete parking and approach (L.S.)				200000
11	Provision of Air-Conditioning	250	TR	40000	10000000
12	Provision of Stage lighting				1000000
13	Provision of audio system				500000
14	Stage furnishing including motorised curtains, side wings frills & hoisting system etc.				500000
15	Provision of chairs	3000	Nos.	3000	9000000
16	Provision of false celing & underdeck insulation	2000	Sqm.	1000	2000000
17	Provision of special lighting fixtures for auditorium in false ceiling (L.S.)				600000
18	Provision of sound proof panelling on walls including lower height cedar planks and upper sound soak armstrong panelling				3000000
	Total(D)				53335500
	Add contingencies & petty establishment charges @ 3% on D				1600065
	GRAND TOTAL				54935565
				Say Rs.	550 Lacs
	Cost per Sqm. = Rs. 18,334/-		Sd/-		
	Cost per Sq. ft. = Rs. 1,704/-		Executive Engineer,		
			Construction Cell		
			NIT, Kurukshetra		



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NAME OF WORK :-
 GROUND FLOOR PLAN

CATEGORY :-

SCALE :- NTS

SHEET NO. :-

PROJECT :-
PROPOSED CONVOCATION HALL FOR 3000 STUDENTS
AT NIT KURUKSHETRA

Item No.8.10 To consider and approve cost estimate for the construction of Institute Faculty Guest House at National Institute of Technology, Kurukshetra.

The existing facilities in the Institute Guest House by way of 10 numbers rooms including 2 numbers VIP rooms are inadequate for accommodating number of guests visiting Institute in connection with the academic activities and other allied purposes. After the upgradation of the Institute from REC Kurukshetra to NIT Kurukshetra with Deemed University status, Govt. of India has desired that the Institute should be upgraded to a world class centre of excellence in technical education and research. To achieve this mission, faculty of the Institute is consistently involved in organizing short term courses, summer/winter schools, seminars, workshops and conferences. While organizing these academic activities, organizers are facing acute shortage of accommodation which can be provided to the participants attending these programmes. The problem is further aggravated because of the fact that Kurukshetra is a very small town with no good accommodation available in hotels.

It is therefore, proposed to construct Institute Faculty Guest House in the Institute to accommodate at least 50 visitors at a time including 10 numbers VVIP visitors coming to deliver expert lectures, key note addresses, inaugural ceremonies and as Chief Guest. The architect consultant, M/s S.K. Integrated, New Delhi submitted cost estimate of Rs.67.4 lacs for the construction of Faculty Guest House in the Institute.

It is therefore proposed that BWC may please consider and approve proposal for the construction of Institute Faculty Guest House at a cost estimate of Rs.67.4 lacs.

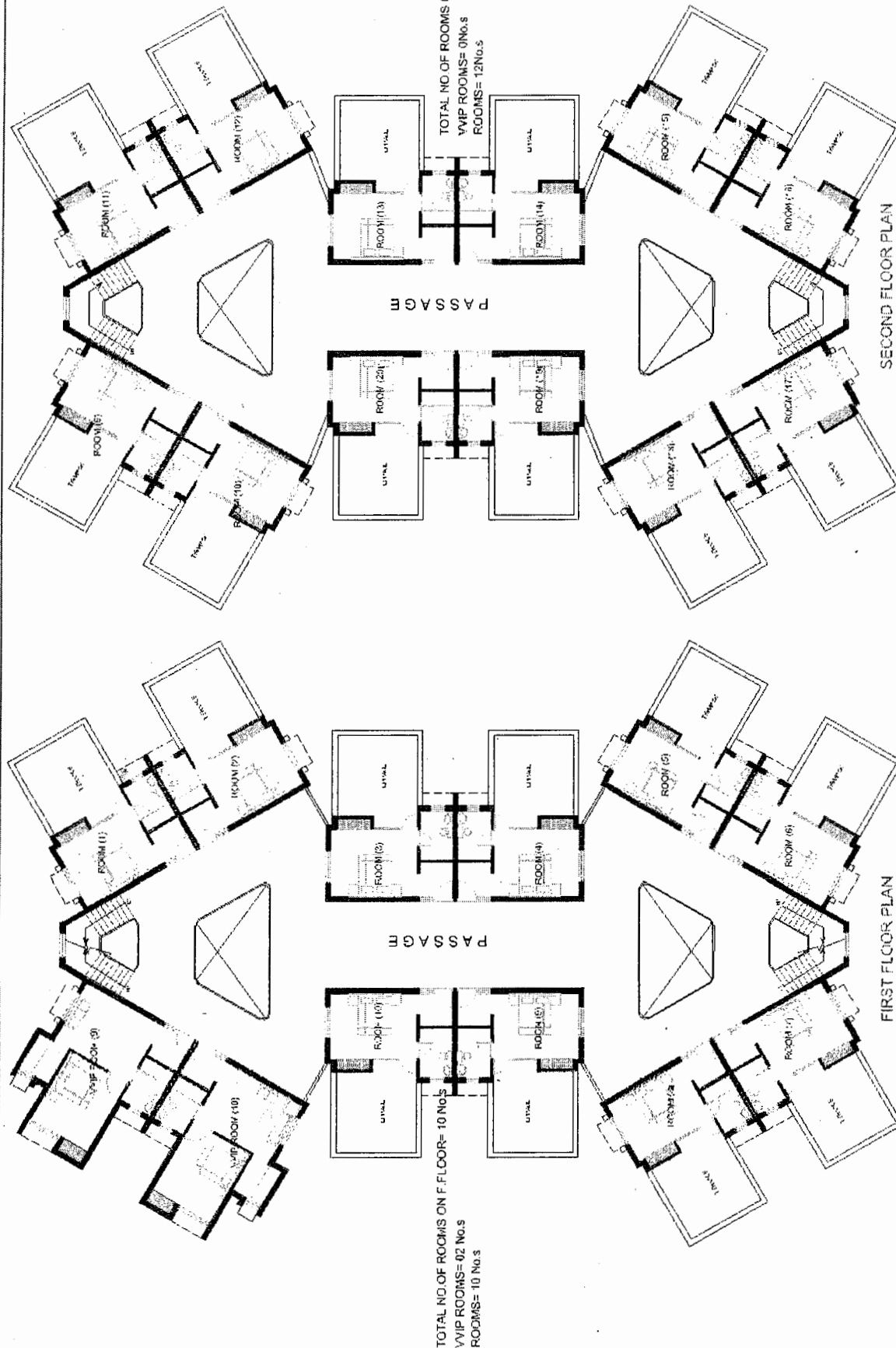
**COST ESTIMATE FOR CONSTRUCTION OF FACULTY GUEST HOUSE AT
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA**

SR.NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
1.	Covered as per revised rate vide E.I.C Memo No. 1578-1668/ W.I. dated. 26.04.2001 read with E.I.C letter Memo No. 16174-89/ W.I. dated. 27.11.2006	707.05	Sqm	6000	4242300.00
2.	Provision for P.H. Services @20% of the total cost of building i.e. 4242300.00				848460.00
3.	Provision for E.I. Internal Services@ 20% of the total cost of building i.e. 4242300.00				848460.00
4.	Provision for land Scaping@1% of the total cost of building i.e. 4242300.00				42423.00
5.	Provision for Air Conditioner				500000.00
					6481643.00
	Add 3% contingency charges				194449.00
	Add 1% Architectural charges				64816.00
	Grand Total				6740908.00

Say Rs. 67.41 Lacs.

Sd/-

Executive Engineer,
Construction Cell,
N. I. T., Kurukshetra



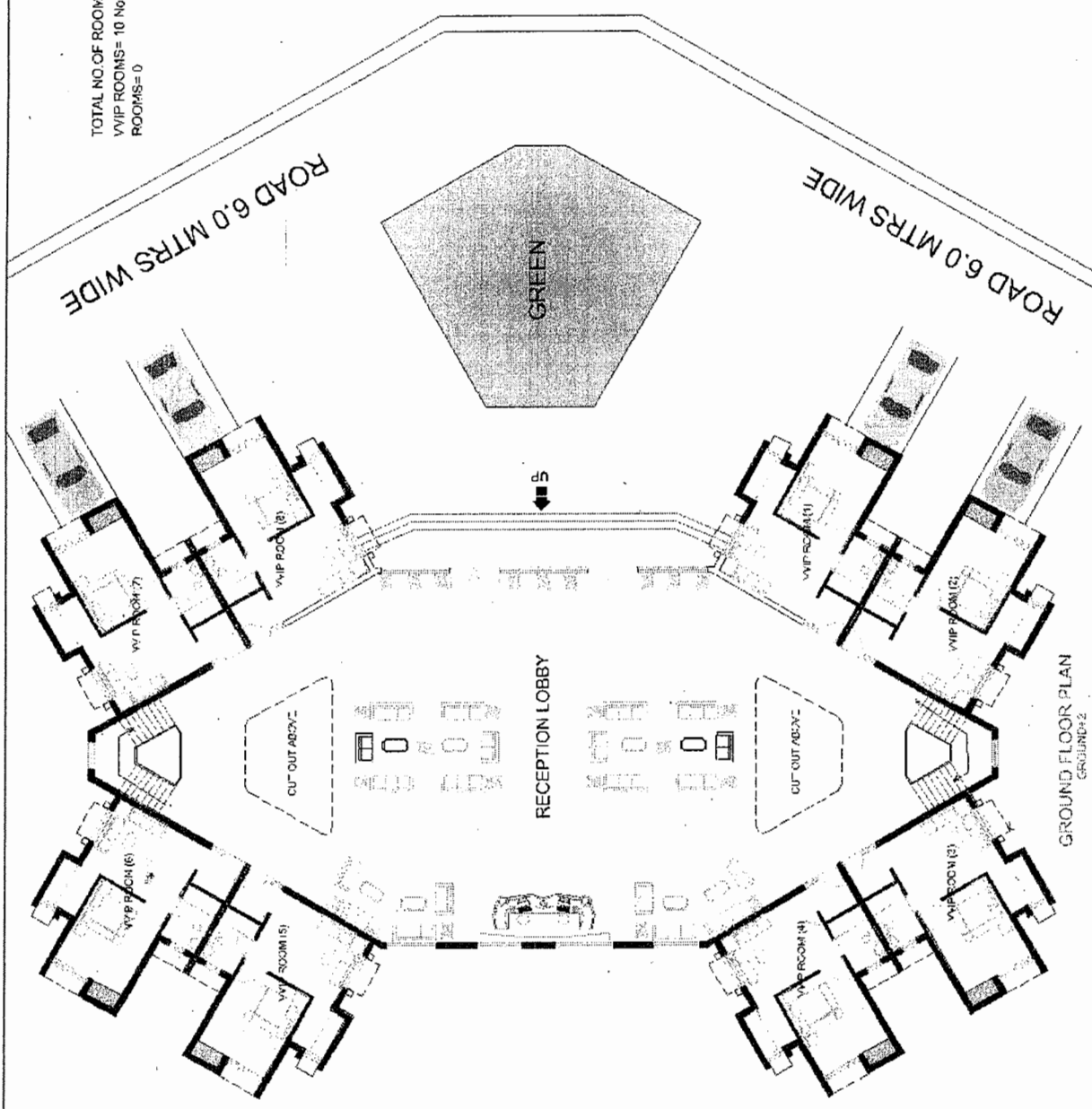
PROJECT :-
 PROPOSED EXTENSION OF GUEST HOUSE
 AT NIT KURUKSHETRA

NAME OF DWG. :-		ALT. NO.
FLOOR PLANS		
CATEGORY :-		SCALE :- NTS



S. K. Integrated Consultants
 280 Deepali Enclave, Pitampura,
 Delhi-110034
 Tel. 01127023208, 01127022978
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TOTAL NO. OF ROOMS ON G.FLOOR= 10 No.s
 VVIP ROOMS= 10 No.s
 ROOMS= 0



S. K. Integrated Consultants
 280 Deepali Enclave, Pitampura,
 Delhi-110034
 Tel. 01127023208, 01127022978
 An (ISO 9001-2000) company



NAME OF UNIT: GROUND FLOOR PLAN	ALT. NO.
CATEGORY:	
SCALE: NTS	

PROJECT :-
PROPOSED EXTENSION OF GUEST HOUSE
AT NIT KURUKSHETRA

Item No.8.11 To consider and approve cost estimate for the construction of additional block of Health Centre at National Institute of Technology, Kurukshetra

The existing area of the Institute Health Centre Building is inadequate for accommodating equipments and machines which were acquired recently. The available space used as Male and Female Wards is also inadequate as the intake of students has increased significantly. There is also insufficient space for dark room for the use of X-ray Equipments/ECG machines and Dental Surgery, etc. The improvement in the health centre services provided to the staff and students is quite essential in view of the Deemed University Status. Further, because of the increase in intake at UG and PG level and introduction of new courses in the Institute the intake of the students will increase manifold in the coming years. In order to provide improved health services in the Institute, the extension of existing block of the Institute Health Centre Building is essential. The Architect Consultants, M/s S.K. Integrated, New Delhi has submitted cost estimate of Rs.68.8 lacs for the extension of Health Centre of the Institute.

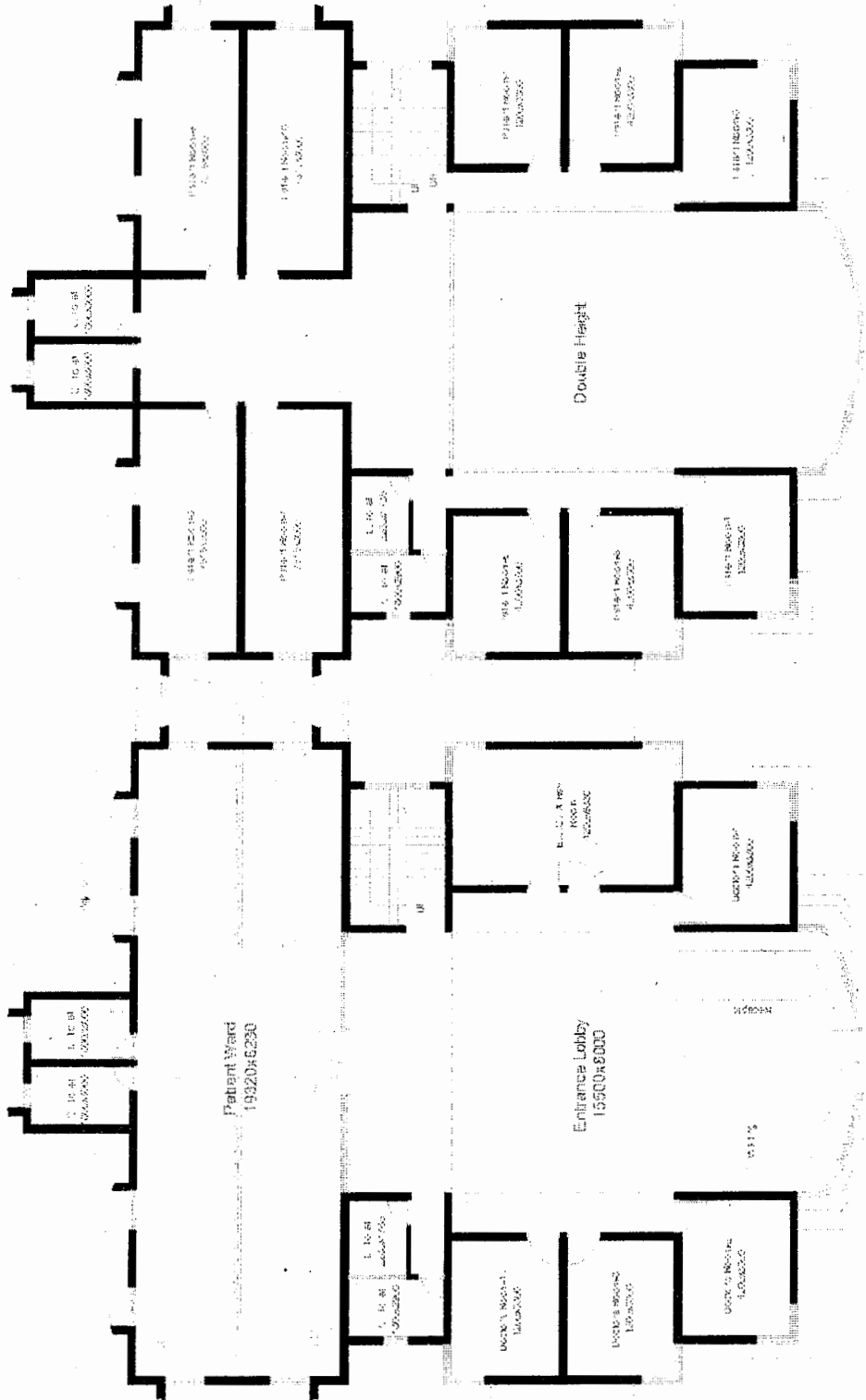
It is, therefore, requested that BWC may please consider and approve above proposal for the extension of Health Centre at an estimated cost of Rs.68.8 lacs.

**COST ESTIMATE FOR CONSTRUCTION OF ADDITIONAL BLOCK OF
HEALTH CENTRE, AT NATIONAL INSTITUTE OF TECHNOLOGY,
KURUKSHETRA**

SR.NO.	DESCRIPTION OF ITEM	QTY.	UNIT	RATE	AMOUNT
1.	a) Covered areas at Ground Floor	238.43	Sqm	5550	1323287.00
	b) Covered areas at First Floor	476.86	Sqm	5550	2646574.00
	as per revised rate vide E.I.C Memo No. 1578-1668/ W.I. dated. 26.04.2001 read with E.I.C letter Memo No. 16174-89/ W.I. dated. 27.11.2006				
					3969861.00
2.	Provision for P.H. Services @20% of the total cost of building i.e. 3969861.00				793972.00
3.	Provision for E.I. Internal Services@ 20% of the total cost of building i.e. 3969861.00				793972.00
4.	Provision of Ramp	114.85	Sqm	4500	516825.00
5.	Provision for land Scaping@1% of the total cost of building i.e. 3969861.00				39699.00
6.	Provision for Air Conditioner				500000.00
					6614329.00
	Add 3% contingency charges				198430.00
	Add 1% Architectural charges				66143.00
	Grand Total				6878902.00

Sd/-

Executive Engineer,
Construction Cell,
N. I. T., Kurukshetra



PROJECT :-

PROPOSED HEALTH CENTRE
AT NIT KURUKSHETRA

NAME OF THE
FLOR PLANE

CATEGORY

SCALE : NTS

ALT. NO.



S. K. Integrated Consultants
280 Deepali Enclave, Pitampura,
Delhi-110034
Tel. 01127023208, 01127022978
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Item No.8.12 To consider and approve cost estimate for the construction of new PG hostel of 350 capacity at National Institute of Technology, Kurukshetra.

The Institute had a limited intake of 126 students at PG level until 2005-06. However, Govt. of India has increased the intake at PG level to 314 (including 60 students in self financing MBA course) during the academic year 2006-07. Further, number of PG students may go on higher side because of expected enhancement of student strength in PG courses and introduction of new PG courses in some disciplines. There is, therefore, an immediate need to construct a new PG hostel with a capacity of 350 seats. The Architect consultant M/s S.K. integrated, New Delhi submitted cost estimate to Rs.933 lacs for the construction of 350 seaters new PG hostel.

It is, therefore, requested that BWC may consider and approve above proposal for the construction of new PG hostel of 350 capacity at a cost of Rs.933 lacs approximately.

COST ESTIMATE FOR THE CONSTRUCTION OF NEW PG HOSTAL OF 350 CAPACITY, AT NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA

Sr. No.	Description	Qty.	Unit	Rate	Amount (In Rs.)
1	Building portion (Ground floor + First Floor + Second Floor): (Full building is RCC)	11550	Sqm.	3450	39847500
2	Extra for foundation	3850	Sqm.	400	1540000
3	Extra for ruff foundation	3850	Sqm.	600	2310000
	Total (A)				43697500
4	Add escalation for increased rates based on plinth area @ 50% on amount A= (B)				21848750
	Total (A + B) = C				65546250
	SERVICES				
5	Provision of internal water supply & PH services @ 12.5% of building cost i. e. on amount- C				8193281
6	Provision of internal E. I. services @ 8% of building cost i. e. on amount- C				5243700
7	Provision of external services @5% of building cost i. e. on amount- C				3277312
8	Provision of Anti Termite Treatment (L. S.)	6000	Sqm.	100	600000
9	Extra for water proofing				500000
10	Extra for cup board (L. S.)				3000000
11	Extra for filling (L. S.)				1000000
12	Land development @2% of building cost i. e. on amount- C				1310925
13	Provision of App. Road (L.S.)				1000000
	Total (D)				89671468
	Add contingencies & petty establishment charge @ 3% on 'D'				2690144
	Add architectural charge @ 1% on amount 'D'				896715
	Grand Total				93258327
	Cost per Sqm. = Rs.8,074/-				Say Rs. 932.58 Lacs
	Cost per Sq. ft. = Rs.750/-				

Sd/-

Executive Engineer,
Construction Cell,
N. I. T., Kurukshetra

Item No.8.13 To consider and approve cost estimate for construction of 10 Nos. Professors Houses at National Institute of Technology, Kurukshetra

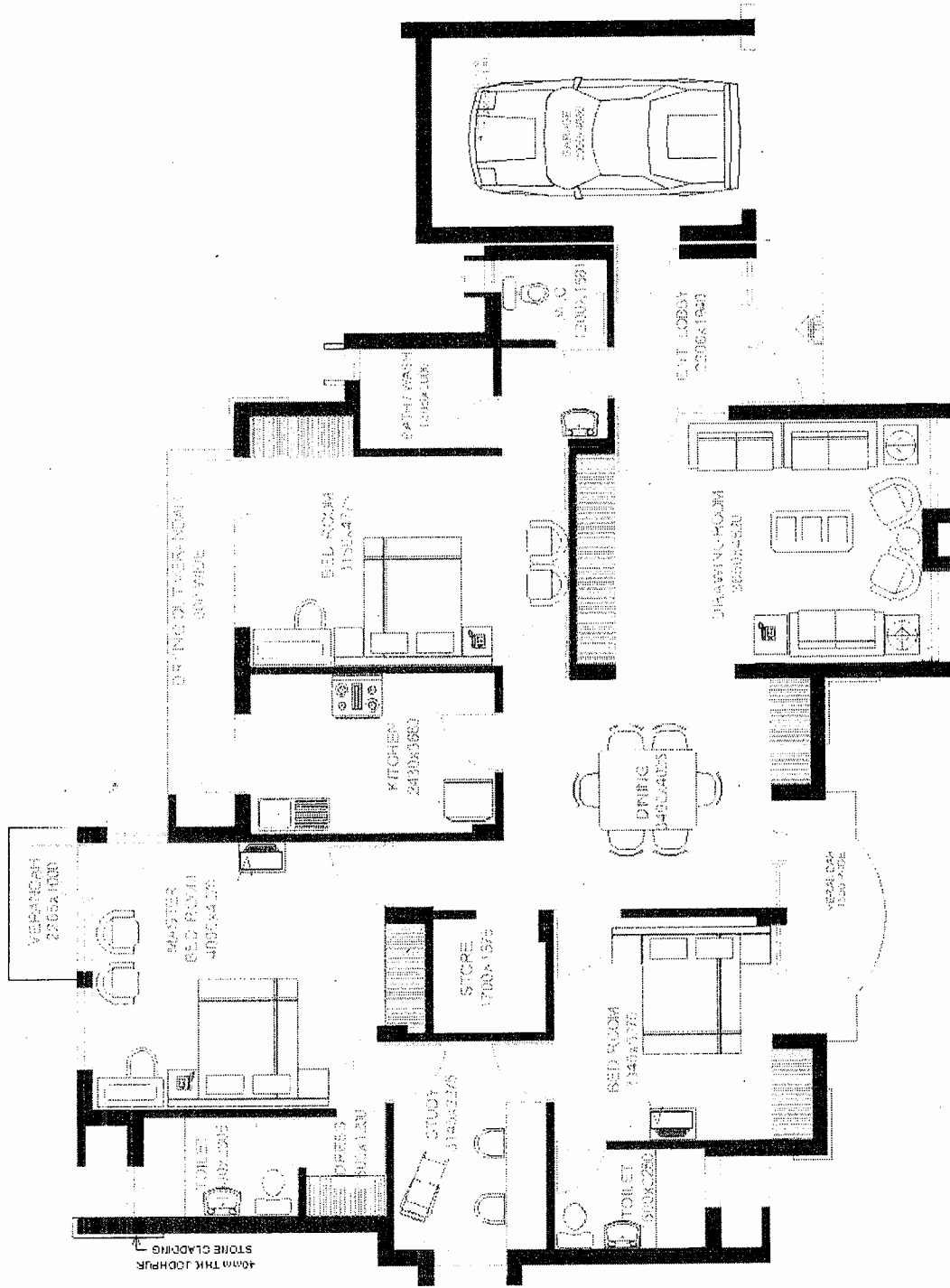
At present, there are 28 number Professors houses available in the Institute. With the current increase in intake at UG and PG level and expected introduction of new UG and PG courses, there will be an additional requirement of faculty and teaching supporting staff residences in future. In order to provide proper accommodation to Professors of the Institute, there is an immediate need to construct at least 10 numbers Professors category houses in the Institute so that senior faculty can stay in the campus comfortably.

The Architect consultant M/s S.K. integrated submitted cost estimate amounting to Rs.220.00 lacs for the construction of 10 numbers professors houses in the campus.

The BWC is requested to consider and accord administrative approval to construct 10 number Professors houses in the Institute.

**COST ESTIMATE FOR CONSTRUCTION OF 10 NOMBERS PROFESSORS HOUSES AT
NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA, HARYANA.**

S. No.	Description	Qty.	Unit	Rate	Amount
1	Building portion (Ground floor) : (Full building is RCC)	2100	Sqm.	3700	7770000
	Total (A)				7770000
2	Add escalation for increased rates based on plinth area @ 50% on amount A = (B)				3885000
	Total (A + B) = C				11655000
	SERVICES				
3	Provision of internal water supply & PH services @ 12.5% of building cost i.e on amount - C				1456875
4	Provision of internal E.I. services @ 8% of building cost i.e on amount - C				932400
5	Provision of external services @ 5% of building cost i.e on amount - C				582750
6	Provision of anti Termite Treatment (L.S.)	2100	Sqm.	100	210000
7	Extra for water proofing				2000000
8	Extra for cup board (L.S.)				3000000
9	Earth filling (L.S.)				1000000
10	Land development @ 2% of building cost i.e on amount - C				233100
	Total(D)				21070125
	Add contingencies & petty establishment charges @ 3% on D				632104
	GRAND TOTAL				21702229
				Say Rs.	220 Lacs
	Cost per Sqm. = Rs. 10,478/-		Sd/-		
	Cost per Sq. ft. = Rs. 974/-		Executive Engineer, Construction Cell NIT, Kurukshetra		



GROUND FLOOR PLAN

PROJECT :-
PROPOSED PROFESSOR'S HOUSES
AT NIT KURUKSHETRA

NAME OF Dwg. :-
GROUND FLOOR PLAN

CATEGORY :-

SCALE :- NTS

ALT. No. :-



S. K. Integrated Consultants
280 Deepali Enclave, Pitampura,
Delhi-110034
Tel. 01127023208, 01127022978
An (ISO 9001-2000) company

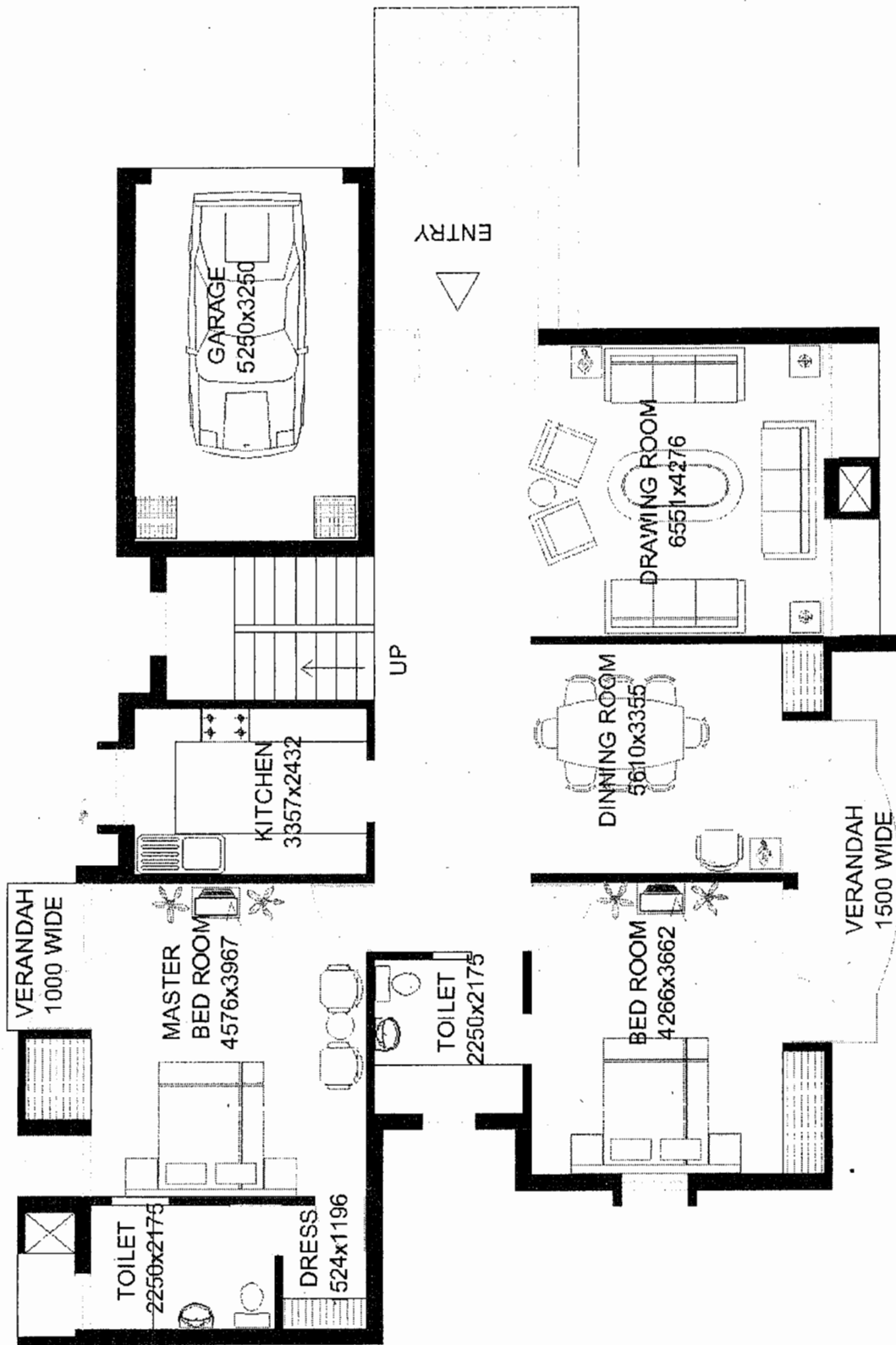
Item No.8.14 To consider and approve cost estimate for construction of 10 Nos. Assistant Professors Houses at National Institute of Technology, Kurukshetra

At present, there are 65 numbers Assistant Professors houses available in the Institute. With the current increase in intake at UG and PG level, expected introduction of new UG and PG courses in near future, there will be an additional requirement of faculty and teaching supporting staff accommodation in future. In order to provide proper accommodation to Assistant Professors in the Institute, there is a need to construct at least 10 numbers Assistant Professors categories houses in the Institute so that they can stay in the campus comfortably. The Architect consultant M/s S.K. integrated submitted cost estimate amounting to Rs.167.00 lacs for the construction of 10 numbers Assistant Professors houses.

The BWC may consider and accord administrative approval to construct 10 numbers Assistant Professors houses in the Institute.

**COST ESTIMATE FOR CONSTRUCTION OF 10 NOMBERS A.P. HOUSES AT NATIONAL
INSTITUTE OF TECHNOLOGY, KURUKSHETRA, HARYANA.**

S. No.	Description	Qty.	Unit	Rate	Amount
1	Building portion (Ground floor) : (Full building is RCC)	1800	Sqm.	3700	6660000
	Total (A)				6660000
2	Add escalation for increased rates based on plinth area @ 50% on amount A = (B)				3330000
	Total (A + B) = C				9990000
	SERVICES				
3	Provision of internal water supply & PH services @ 12.5% of building cost i.e on amount - C				1248750
4	Provision of internal E.I. services @ 8% of building cost i.e on amount - C				799200
5	Provision of external services @ 5% of building cost i.e on amount - C				499500
6	Provision of anti Termite Treatment (L.S.)	1800	Sqm.	100	180000
7	Extra for water proofing				2000000
8	Extra for cup board (L.S.)				1000000
9	Earth filling (L.S.)				200000
10	Land developement @ 2% of building cost i.e on amount - C				199800
	Total(D)				16117250
	Add contingencies & petty establishment charges @ 3% on D				483518
	GRAND TOTAL				16600768
				Say Rs.	167 Lacs
	Cost per Sqm. = Rs. 9,278/-		Sd/-		
	Cost per Sq. ft. = Rs. 862/-		Executive Engineer,		
			Construction Cell		
			NIT, Kurukshetra		



GROUND FLOOR PLAN

PROJECT :-
PROPOSED ASSISTANT PROFESSOR'S HOUSES
AT NIT KURUKSHETRA



S. K. Integrated Consultants
280 Deepali Enclave, Pitampura,
Delhi-110034
Tel. 01127023208, 01127022978
An (ISO 9001-2000) company

NAME OF DWG. : GROUND FLOOR PLAN	SCALE : NTS	ALT. NO.
CATEGORY :		

Item No.8.15 To consider and approve cost estimate for the extension of existing road between Tubewell No.5 and Students Activity Centre upto 350 seaters Boys Hostel at National Institute of Technology, Kurukshetra

The work of construction of 350 seaters boys hostel on the Southern Side of the Institute at an estimated cost of Rs.940.00 lacs is in progress. The time of completion of 9 months has been given to the Contractor. In order to provide excess to this hostel from existing road network, it is necessary to extend existing road between Tubewell No.5 and Student Activity Centre building upto this 350 seaters Boys Hostel. The Executive Engineer, Construction Cell, NIT Kurukshetra has submitted a cost estimate of Rs.37.00 lacs for the construction of road upto Southern side Boundary wall of the Institute.

It is, therefore, proposed that BWC may please consider and approve above proposal for the for the construction of road at a cost of Rs.37.00 lacs approximately.

**COST ESTIMATE FOR CONSTRUCTION OF EXTENSION OF ROAD FROM TUBE-WELL NO.5 TO EXTERNAL BOUNDARY
WALL TOWARDS DYALPUR VILLAGE AND CONNECTING THE PROPOSED 350 SEATERS BOYS HOSTEL AT N.I.T.,
KURUKSHETRA**

Sr. No.	Description	Quantity	Unit	Rate	Amount i/c prem.
1	Preparation of Sub-grade, including trenching, rough dressing of spoil, final dressing of earth, to given levels and camber, watering, rolling with road roller and compacting the bac.(HSR24.1)	5490.00	Sqm	3.00	16470.00
2	Collection & Carriage of stone soling 63 to 45mm G-II from approved quarry to site of work.	1255.01	cum	510.45	640620.00
3	Laying and consolidation of stone soling to WBM specification (HSR 24.7)	1255.01	cum	76.05	95443.00
4	Collection & carriage of stone metal 53 to 22.4mm gauge from approved quarry to site of work.	557.78	cum	520.45	290297.00
5	Collection & carriage of non-plastic sand	55.78	cum	139.00	7753.00
6	Laying & consolidation of stone metal to WBM specification.(HSR 24.9)	557.78	cum	93.44	52119.00
7	Providing and Laying primer coat on WBM surface with Bitumen 75 Kg per hundred Sqm.(HSR.24.28)	5490.00	Sqm	19.70	108153.00
8	Providing and Laying Tack coat on existing Black Top surface with Bitumen 50 Kg. per hundred Sqm(HSR.24.27)	10980.00	Sqm	12.81	140654.00

Sr. No.	Description	Quantity	Unit	Rate	Amount i/c prem.
9	Providing and laying 50mm thick Bituminous Macadam with 3.3% Bitumen as per MOST specification	274.50	cum	3268	897066.00
10	Pdg. laying 20mm thick premix carpet with Hot mix plant and paver finisher as per MOST specification.	5490.00	Sqm	61.70	338733.00
11	Pdg. Laying 'B' type seal coat	5490.00	Sqm	22.15	121604.00
12	Construction of earthen shoulder and embankment with approved material from borrow pits outside PWD boundary with all lead & lift as technical Specification clause-305 with an av. Lead of 3 Km	9922.50	cum	88.00	873180.00
13	Provision for cautionary sign board	Provision		L.S.	10000.00
	Add 3% contingency charges				3592092.00
					107763.00
					3699855.00
				Say Rs.37.00 Lacs.	

Sd/-

Executive Engineer,
Construction Cell,
N. I. T., Kurukshetra

Item No.8.16 To consider and approve cost estimate for the special repair, renovation and miscellaneous works at National Institute of Technology, Kurukshetra

Five numbers boys hostel and one number girls hostel in the Institute (constructed about 40 years ago) require special repair in terms of replacement of doors, windows, wire gauge shutters, wooden chowkhats, shelves, plastering, fixed wooden table tops etc. Similarly, some of the residences in the campus (constructed more than 35 years ago) also require urgent repair in terms of replacement of wooden fixtures, doors, windows, chowkhats, plastering of walls, flooring, internal sanitary fittings, etc. Besides, special maintenance/renovation of class rooms, Computer Centre, Library, Laboratories, Offices of the Faculty, Administrative Officers and Secretarial Staff, etc. have also become a routine affair. The Institute lawns, herbs, shrubs and trees also require special attention to maintain greenery and pollution free environment. The repair/renovation of water supply lines (laid about 35 years ago) has also become essential to provide regular water supply to the inhabitants.

To maintain the above facilities including the maintenance of Electric Lines, Electrical appliances (i.e. fans, tubes, lights, desert coolers, water coolers, air conditioners, etc.) in the Administrative Offices, funds are required. The Govt. of India sanctioned and released an amount of Rs.70 lacs for special repair/renovation and miscellaneous work in the Institute for the year 2005-06 including Rs.10 lacs for the replacement of furniture in the first year hostel .

During the current financial year, the following amount mentioned against each item is required for carrying out the above special repairs/renovation and miscellaneous works in the Institute:

Sr.No.	Name of the work	Amount (Rs. in lacs)
1.	Civil Maintenance	20.00
2.	Public Health Maintenance	15.00
3.	Electrical Maintenance	10.00
4.	Horticulture	05.00

5.	Maintenance of Tractor and fuel charges, etc.	05.00
6.	Maintenance of communication facilities	10.00
7.	Maintenance of electrical gazettes (Computers, printers, photo-copiers, hardwares, scanners, cartridges, tuners, stationary etc.)	05.00
8.	Renovation of labs, class rooms and offices of Faculty, administrative officers and secretarial staff including miscellaneous works.	30.00
	Total	100.00

It is, therefore, requested that BWC may consider and approve an amount of Rs.100.00 lacs for special repair/renovation and miscellaneous works in the Institute during the financial year 2007-08.

Item No.8.17 To consider and approve cost estimate for construction of 24 Nos. E-type houses at National Institute of Technology, Kurukshetra.

At present, there are 24 numbers E-type houses available in the Institute. With the current increase in intake at UG and PG level and expected introduction of new UG and PG courses, the students' strength will increase significantly. The teaching supporting staff strength will also increase proportionately. There is, therefore, an immediate requirement of at least 24 E-type houses which will be provided to the category of employees entitled for this category of house. It is, therefore, proposed to construct 24 numbers E-type houses.

The Architect consultant M/s S.K. Integrated, New Delhi submitted cost estimate amounting to Rs.186.22 lacs for the construction of 24 numbers E-type house.

The BWC is requested to consider, approve and accord administrative approval amounting to Rs.186.22 lacs for the construction of 24 number E-type houses in the Institute.

**COST ESTIMATE FOR CONSTRUCTION OF 24 NOS. E-TYPE (770 SFT)
RESIDENCES FOR CLASS-III EMPLOYEES AT NATIONAL INSTITUTE OF
TECHNOLOGY, KURUKSHETRA**

SR.NO.	QTY.	DESCRIPTION OF ITEM	RATE	UNIT	AMOUNT
1.	1133.45	G. F. area of Building	6000	Sqm	6800700.00
2.	1133.45	F. F. area of Building	5550	Sqm	6290648.00
3.	73.40	S. F. area of Momty	5550	Sqm	407370.00
		TOTAL			13498718.00
4.	216.72	Provision of Compound Wall 5'-11 1/2' height	1600	RM	346752.00
5.	222.96	Provision of P. C. C. path (100mm thick over 100mm lean conc. & 100mm filling)	350	Sqm	78036.00
		TOTAL			13923506.00
6.		Additional Provn. of Electrification @12% on Building cost i.e. Rs. 13498718.00			1619846.00
7.		Additional Provn. of PH @12.5% on Building cost i.e. Rs. 13498718.00			1687340.00
		Additional Provn. of Estate Services @5% on Building cost i.e. Rs. 13498718.00			674936.00
					17905628.00
		Add 3% contingency charges			537169.00
		Add 1% Architectural charges			179056.00
		Grand Total			18621853.00

Sd/-

Executive Engineer,
Construction Cell,
N. I. T., Kurukshetra

Item No.8.18 To consider and approve cost estimate for construction of 20 F-type Houses at National Institute of Technology, Kurukshetra.

The BWC in its first meeting vide item No.19.12 approved proposal to construct 20 numbers F-type houses at a cost estimate of Rs.78.56 lacs which was later on deferred vide item No.19.12 in its 4th BWC meeting, for the time being, because of the availability of sufficient accommodation to this category of employees in the campus at that time. However, now because of increase in intake at UG and PG level and expected enhancement in students' strength due to introduction of new UG and PG courses, there will be an additional requirement of teaching supporting staff residences immediately. There is therefore, a requirement of at least 20 F-type quarters which will be provided to the category of employees entitled for this type of houses. The Architect Consultant M/s S.K. Integrated, New Delhi has submitted a fresh estimate cost amounting to Rs.111.70 lacs for the construction of 20 numbers F-type houses.

It is therefore proposed to re-consider the proposal already approved in the Ist BWC meeting with the revised estimate amounting to Rs.111.70 lacs to construct 20 number F-type houses in the Institute.

The BWC may kindly consider and approve 20 numbers F-type houses in the Institute amounting to Rs. 111.70 lacs.

COST ESTIMATE FOR CONSTRUCTION OF 20 Nos. F. TYPES HOUSES AT NATIONAL INSTITUTE OF TECHNOLOGY, KURUKSHETRA, HARYANA.

S. No.	Description	Qty.	Unit	Rate	Amount
1	Building portion (Ground floor + First floor) : (Full building is RCC)	1400	Sqm.	3700	5180000
	Total (A)				5180000
2	Add escalation for increased rates based on plinth area @ 50% on amount A = (B)				2590000
	Total (A + B) = C				7770000
	SERVICES				
3	Provision of internal water supply & PH services @ 12.5% of building cost i.e on amount - C				971250
4	Provision of internal E.I. services @ 8% of building cost i.e on amount - C				621600
5	Provision of external services @ 5% of building cost i.e on amount - C				388500
6	Provision of anti Termite Treatment (L.S.)	1400	Sqm.	100	140000
7	Extra for water proofing				50000
8	Earth filling (L.S.)				50000
9	Land development @ 2% of building cost i.e on amount - C				155400
	Total(D)				10146750
10	Add for electrical works @ 10% of building cost i.e on amount - D				1014675
	GRAND TOTAL				11161425
				Say Rs.	111.70 Lacs
	Cost per Sqm. = Rs. 7,979/-		Sd/-		
	Cost per Sq. ft. = Rs. 742/-		Executive Engineer,		
			Construction Cell		
			NIT, Kurukshetra		

Item No.8.19 To consider and approve cost estimate for the construction of New Boundary Wall around the lawn of Director's residence at NIT Kurukshetra

The Director's residence was constructed about 35 years back for the Principal of Erstwhile REC Kurukshetra. The house was of similar accommodation as those of Professors' type houses which was later on marginally extended in early 1990s. The existing lawn of Director's residence was temporarily covered with wire fencing and hedge.

It is pertinent to mention that the post of Director, NIT Kurukshetra has been elevated to the Vice-Chancellor's position of higher pay scale. The Vice-Chancellor's residence possesses full-fledged facilities for Camp Office including Waiting Room, PA Office, V.C's Office Chamber, etc. The surroundings should also be compatible with the dignity and status of the Director. In order to make present residence of the Director functionally better, it is proposed to construct boundary wall around the existing lawn by replacing old wire fencing and hedge. The Executive Engineer, Construction Cell, NIT Kurukshetra has submitted a cost estimate of Rs.6.74 lacs for the construction of boundary wall around the lawn of Director's residence.

The BWC may consider and approve the above proposal and approve estimated cost of Rs.6.74 lacs for the construction of new boundary wall around the Director's residence.

Name of Work :- Cost Estimate for Construction of new boundary wall around the Lawns of Director's residence at National Institute of Technology, Kurukshetra

Sr. No	H.S.R. Ref.	Description of items	Quantity	Unit	H.S.R Rate	C.P.	Amount
1.	6.6	Earth work is excavation in all kinds of soil	214.76	100cum	1108.10	300%	9519/-
2.	10.39	Cement concrete 1:4:8 with stone agg. 40mm nominal size in F. & P.	35.78	cum	403.10	230%	47596/-
3.	11.4	First class B.W laid is Cement sand mortar 1:4 in F. & P	107.37	cum	424.60	250%	159563/-
4.	10.114	D. P.C 40mm thick of cement concrete 1:2:4 using stone aggregate 20mm nominal size with 2 coat of bitumen 20/30 penetration at 1.65kg per sqm laid hot and sanded.	102.27	Sqm	35.05	230%	11829/-
5.	10.60	Cement concrete 1: 1 ½ : 3 with stone agg. 20mm nominal size in first story upto 4meters above plinth level.	3.44	cum	708.75	230%	8046/-
6.	11.9	First class B.W. laid in cement sand mortar 1:4 in first story upto 4 meter above plinth level.	67.15	cum	445.60	250%	104727/-
7.	18.12	wrought iron and mild steel (using angles, flats, square bars, tee, and channel) as per 17.5-H.S.R.	51.28	Qtl.	1040.35	250%	186722/-
8.	15.10	15mm thick cement plaster 1:4 on the rough side of single or half brick walls	404.27	Sqm	15.65	250%	22144/-
9.	15.5	12mm Thick cement Plaster 1:4	49.20	Sqm	12.70	250%	2187/-
10.	10.80+ 10.95(a)	Cement concrete 1:1 ½ :3 with stone agg. 20mm nominal size for reinforced concrete work but excluding steel reinforcement and centering and shuttering in first story upto 4 metres above plinth level	3.67	cum	718.95	230%	8707/-
11.	18.22	cold twisted deformed bar for R.C.C work as per H.S.R.	4.32	Qtl.	917.05	225%	12875/-
12.	26.25	Fixing glass pieces, on top of walls	106.50	meter	5.60	100%	1193/-
13.	15.62	Cement pointing 1:2 flush on brick and tile work.	308.86	Sqm	7.45	250%	4832/-

Sr. No	H.S.R. Ref.	Description of items	Quantity	Unit	H.S.R Rate	C.P.	Amount
14.	16.61	Finishing walls with exterior decorative cement based paints such as snowcem Robbiacem etc on new work two coats to give an even shade.	762.33	Sqm	7.25	110%	11606/-
15.	16.9	Applying priming coat on steel work consisting of genuine red lead mixed with linseed oil and turpentine oil in equal proportions.	189.95	Sqm	9.40	110%	3750/-
16.	16.3	Painting two coats excluding priming coat with synthetic enamel paint in all shades on new wood work or metallic or plastered or concrete surfaces to give an even shade.	189.95	Sqm	3.15	110%	1256/-
		Total Amount					596552/-
		Add 10% Escalation charges					59655/-
		Add 3% Contingency charges					17897/-
		Grand Total Amount					674104/-

Item No.8.20 To consider and approve the final settlement of liabilities of the works completed by NBCC Ltd., New Delhi

The following works were carried out by M/s National Building Construction Corporation Ltd. at NIT Kurukshetra with approved estimated cost mentioned against each work. Now while submitting final Utilization Certificate, the NBCC communicated the excess expenditure mentioned against each work, either because of increase/change of scope of work.

BWC Item No.	Name of work	Approved Estimate cost	Amount transferred to NBCC	Expenditure incurred by NBCC	Balance required
		Amount (Rs. in lacs)			
2.37	Renovation of electrical fittings in workshop etc.	19,67,000/-	19,67,000/-	22,68,412/-	3,01,412/-
5.3	Provision of facilities viz, false ceiling, ACs, etc. in CCN	24,27,000/-	24,27,000/-	25,95,121/-	1,68,121/-
5.5	Special repair of water channel at roof of workshop	15,97,000/-	15,97,000/-	20,14,975/-	4,17,975/-
5.6	Renovation of Electric Lab & Conference room	3,06,000/-	3,06,000/-	3,65,808/-	59,808/-
4.9	Renovation of old Library Building	21,97,000/-	21,97,000/-	22,76,465/-	79,465/-
19.10	Renovation of Reflection Tank	30,26,000/-	30,26,000/-	37,90,875/-	7,64,875/-
2.23	Provisin of Green Room etc. in Open Air Theatre	5,00,000/-	5,00,000/-	6,81,226/-	1,81,226/-
	Total	1,20,20,000/-	1,20,20,000/-	1,39,92,882/-	19,72,882/-

It is, therefore, requested that the BWC may consider and approve the clearing of final liabilities of Rs. 19,72,882/- for the above works. Accordingly, it is requested to release the said balance amount of Rs. 19,72,882/- only.