

# Agenda Notes

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**2012: 1<sup>st</sup> Meeting**  
*of the*  
**Building & Works  
Committee**

Venue of the Meeting

Conference Hall, Hotel Janpath, New Delhi

Date and Time of the Meeting

January 07, 2012 at 15:00 Hrs.



PDPM  
Indian Institute of Information Technology, Design  
and Manufacturing Jabalpur

**Agenda for the 2012/1<sup>st</sup> Meeting of Buildings & Works Committee, 2012**

**[to be held on Saturday, January 07, 2012 at 15:00 hrs.]**

**Venue: Conference Hall, Hotel Janpath, New Delhi**

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**B&WC/2012: 1.01     Opening Remarks by the Chairperson**

Opening remarks by the Chairperson will be presented in the meeting itself.

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**B&WC/2012: 1. 02     Confirmation of the Minutes of 2011/ 1<sup>st</sup> Meeting of the B&WC held on June 21, 2011**

Minutes were circulated after the meeting and are placed at Annexure B&WC/2012/1/A-1 (page P-03 to P-07). No comments have been received from the members.

**The Building & Works Committee is requested to confirm the same.**

PANDIT DWARKA PRASAD MISHRA  
INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,  
DESIGN & MANUFACTURING JABALPUR

**BWC/2011/1<sup>st</sup> Meeting of the Building and Works Committee  
Minutes**

**Minutes of 2011/1<sup>st</sup> Meeting of Building & Works Committee of PDPM Indian Institute of Information Technology, Design & Manufacturing Jabalpur held on June 21, 2011 at 11.00 Hours in Conference Hall of the Institute.**

**Members Present:**

1. Prof. Aparajita Ojha  
Director, PDPM-IIITDM Jabalpur  
Chairperson
2. Prof. Puneet Tandon  
Dean, Planning and Development  
(PDPM-IIITDM Jabalpur)  
Member
3. Shri D K Pandey, SE, MPPKV Co Ltd  
(Nominee of Shri Pankaj  
Kshatriya, SE, MPPKV Co  
Ltd.) Member
4. Shri S. B. Pandey, E.E(C), CPWD  
Bhopal  
(Nominee of Shri A. Verma,  
SE, CPWD) Member
5. Dr. Prabir Mukhopadhyay  
(PDPM-IIITDM Jabalpur)  
Special Invitee
6. Dr. Dinesh Vishwakarma,  
(PDPM-IIITDM Jabalpur)  
Special Invitee
7. Dr. Atul Gupta  
(PDPM-IIITDM Jabalpur)  
Special Invitee
8. Col.(Retd.) P. S. Sandhu  
Registrar, PDPM-IIITDM Jabalpur  
Special Invitee
9. Shri R. P. Rajoria E.E (Ele.)  
CPWD, Bhopal  
Special Invitee



PANDIT DWARKA PRASAD MISHRA  
**INDIAN INSTITUTE OF INFORMATION TECHNOLOGY,  
DESIGN & MANUFACTURING JABALPUR**

- |     |   |                    |
|-----|---|--------------------|
| 10. | Shri S. K. Bajpai, A.E(C), CPWD<br>Jabalpur                   | Special Invitee    |
| 11. | Shri V. Mishra, J.E (Elect.)<br>CPWD, Jabalpur                | Special Invitee    |
| 12. | Shri Sanjay Kanvinde<br>Rep. of M/s. Kanvinde Rai & Chowdhury | Special Invitee    |
| 13. | Shri A. Saini<br>Rep. of M/s. Architect Atelier               | Special Invitee    |
| 14. | Shri Ujval Mehta<br>Rep. of Datta & Datta Associates          | Special Invitee    |
| 15. | Shri V K Dubey, A.E (Civil)<br>(PDPM-IIITDM Jabalpur)         | Institute Engineer |
| 16. | Shri Ram Shankar, Assistant Registrar                         | Acting Secretary   |

**B&WC/2011:01:01**

**Opening Remarks by the Chairperson, B&WC**

Chairperson and the Director of the Institute Prof. Aparajita Ojha welcomed all the members. Then the Chairperson introduced the nominees of the members and special invitees with the other members of the Committee.

**B&WC/2011:01:02**

**Confirmation of Minutes of 2010/3<sup>rd</sup> meeting of the  
Building & Works Committee held on 27 November, 2010.**

Minutes of the BWC/2010/3<sup>rd</sup> meeting of B&WC held on November 27, 2010 were confirmed.

**B&WC/2011:01:03**

**To consider the Revised Preliminary Estimate for Triple  
Seated Hall of Residence 1 (renamed as Hall of Residence 3)**

The B&WC discussed at length the above mentioned Revised Preliminary Estimate (RPE). The requirement of approval of RPE was explained by Shri V. K. Dubey Assistant Engineer (Civil) of the Institute. The Committee deliberated to the estimate and to the present status (physical as well as the financial) of the work and was satisfied with the justification of



applicability of escalation clause (10cc) in the agreement and non provision of the then approved cost index in the Preliminary Estimate, as given for requirement of the RPE. The B&WC approved the Revised Preliminary Estimate for the work for an amount of Rs. 2155 Lacs (Rs. Two thousand one hundred and fifty five lacs only) including 22% cost index, 1% for quality assurance, 1% labour cess, 5% Architect fee + service tax on the fee and 3% contingencies against the initial Preliminary Estimate of Rs. 1699 Lacs (Rs. One thousand six hundred and ninety nine lacs only) for recommendation to the Finance Committee.

**The Committee recommended to the Finance Committee to consider the above proposal for onward recommendation to the BOG for Administrative Approval and Financial Sanction.**

**B&WC/2011:01:04**

**To consider the Preliminary Estimate for the work of Construction of Library cum Computer Center for PDPM-IIITDM, Jabalpur (rechecked estimate from CPWD)**

The rechecked estimate was not made available by the CPWD. The committee discussed at length the Preliminary Estimate (PE) originally forwarded by the CPWD. Sh. S. B. Pandey Executive Engineer (C) informed that the civil work provisions in the Preliminary Estimate are just close to the provisions as proposed by the Institute consultant. Only 4% service tax has been added in the PE (civil work). In respect of rechecking of Electrical provisions, he informed that a request has been made to the Chief Engineer (Electrical) CPWD, Mumbai for rechecking of electrical provisions in the Preliminary Estimate. He produced letter No. 23(497)/CE(CZ)/W-I/06/2011 in this regard. The committee deliberated on the provisions in the original Preliminary Estimate and against the observation of the Finance Committee meeting dated 27.11.2010. The committee opined to write a letter to the Chief Engineer (Electrical) CPWD, Mumbai to review the possibility of deleting the item nos. 2.13, 2.14, 2.16, 2.17, 2.18, 2.19 & 2.20 from the original estimate and keeping the provision of incorporating concerned items in future, so that the per sqm. cost of the building could be reduced.

**The Committee recommended to the Finance Committee to consider the fresh proposal framed on the basis of opinion received from the Chief Engineer (Electrical) CPWD, Mumbai and to recommend the Original Preliminary Estimate amount / Modified amount as put up on the table during the Finance committee meeting, to the BOG for Administrative Approval and Financial Sanction.**



**B&WC/2011:01:05**

**Reporting of items-**

**a) The construction works taken up at Institute level**

The committee noted the minor works listed on annexure B&WC/2011/1/A-4 which have been taken up at the Institute level with the accord of A/A & E/S by the Director of the Institute. Members expressed their satisfaction against the work executed/under progress against the urgent requirements of the Institute as briefed by the Director, PDPM-IIITDM Jabalpur.

**b) To discuss the progress of the work of construction of Mess & Dinning Hall at PDPM-IIITDM Jabalpur**

Sh. S. B. Pandey, E.E (C), CPWD Bhopal submitted a chart containing the status of different works already assigned to the CPWD. The members expressed their dissatisfaction regarding the progress of the work of C/o. Mess & Dinning Hall. The committee opined and made a request to the CPWD representatives to take appropriate action in order to expedite the progress of work. Some of the member suggested that before taking any action against the agency it would be better to take care of possibilities of any adverse effect in the interest of the work.

**B&WC/2011:01:06**

**Any Other item with the permission of chair-** The following items were considered by the Committee with the permission of the Chair.

**B&WC/2011:01:06(1):-** The need of some urgent works at the campus: The committee was informed about the necessity of some civil works like 2 lacs lit. capacity RCC overhead tank, 1 lacs lit. capacity RCC UG sump well, repair / construction of balance portion of boundary wall, two numbers of type V quarters at the campus. It was also informed to the Committee that request has already been made to the CPWD to take these works on urgent basis and to make available the structures as early as possible.

**B&WC/2011:01:06(2):- To discuss about the report of the committee constituted to look into the matter pertaining to quality of bricks under use / to be used for construction of buildings at the campus:**

The Chairperson informed the members and other present that several verbal complaints were received on the poor quality of bricks being used by the contractors who have been assigned some civil works in the Institute. Following committee was constituted to look into the matter pertaining to use of poor quality of works in ongoing construction work at the Institute.

1. Prof. R. Chandak, Professor, Civil Engineering, Jabalpur Engineering College, Jabalpur
2. Shri J.P. Singh, Assitant Engineer, CPWD, Jabalpur
3. Shri Raghunath Bhattacharya, Deputy Registrar ( Convener)

The report of the committee was placed before the members and other present in the meeting. All members expressed their satisfaction over the report and gave their consent to use the bricks as recommended in the said committee's report dated 20.04.2011 in construction works at the campus.

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



(Ram Shankar)  
A.R. & Acting Secretary

Submitted for Approval please

Approved

AOjha  
27-6-2011  
(Prof. Aparajita Ojha)  
Chairperson



**B&WC/2012: 1.03**      **To consider the Preliminary Estimate for the work of Construction of PG Hostel (Phase-2) at PDPM-IIITDM Jabalpur**

A preliminary estimate has been submitted by the Architects, M/s Karvinde Rai & Chowdhury, New Delhi for construction of PG Hostel (Phase-2) at PDPM-IIITDM having a capacity for accommodation of 404 single seated rooms and a facility block. The estimate amounting to Rs 2369 lacs (Rs Two thousand three hundred and sixty nine lacs only) as forwarded by the architects which is based on CPWD Delhi Plinth area rates 2007 with approved cost enhancement i.e 43% at Jabalpur, 3% contingencies and 5% architect fee (service tax as applicable) has been placed as **Annexure B&WC/2012/1/A-2** (page P-09 to P-23).

The B & WC is requested to consider the Preliminary Estimate for construction of PG Hostel (Phase-2) at PDPM-IIITDM, Jabalpur for Rs 2369 lacs ( Rs Two thousand three hundred and sixty nine lacs only) and to request the Finance committee to consider the same for onward recommendation to the Board of Governors for its administrative approval and expenditure sanction.

NAME OF WORK : PG HOSTEL, IIIT DM JABALPUR

TOTAL SUMMARY OF COST

S.No.	Description	Amount in Rs.
1	PART A - CLUSTERS 2 NO. ( 404 ROOMS )	191954980
3	PART B - FACILITIES BLOCK	17227450
4	PART C - DEVELOPMENT OF SITE.	9128670
	Subtotal	218311100
	Architect Fee 5%+ 10.3% ServiceTax	12039857
	Contingencies 3%	6549333
	Grand Total	236900290

**NAME OF WORK : PG HOSTEL, IIIT DM JABALPUR : Part - A, 2 HOSTEL CLUSTERS ( 404 ROOMS)**

Preliminary Estimate based on CPWD Plinth Area Rates 2007 & MR.

I : Civil Work (Based on CPWD Plinth Area Rates 2007 with C.I. = 143 & MR)

S. NO.	Code	Description	Unit	Qty.	Rate	Amount
1	1	<b>RCC Framed Structure :</b>				
	1.1	RCC framed structure upto six storeys				
	1.1.2	Floor height 2.90 m	Sqm	9500	9100	86450000
	1.2	<b>Extra for :</b>				
	1.2.3	For 0.25m additional height of floor above 2.90 m	Sqm	9500	150	1425000
	1.2.4	For 3.4 m additional height of floor above 2.90 m	Sqm	495	1700	841500
	1.2.5	For 0.30 m deeper foundation over normal depth of 1.2 m (for ground floor area only)	Sqm	1570	150	235500
	1.2.8	Resisting Earthquake forces	Sqm	9500	630	5985000
	5	<b>Water Tank ( RCC only )</b>				
	5.1	Overhead tank without independent staging	Litre	68000	9	612000
	1.4	<b>Fire Fighting</b>				
	1.4.1	With wet riser system	Sqm	9500	300	2850000
	1.5	<b>Fire Alarm System</b>				
	1.5.2	Manual Fire Alarm System	Sqm	9500	155	1472500
		<b>Total A</b>				<b>Rs. 99871500</b>

<b>Building Cost (sl. No.1)</b>		<b>Rs.</b>
		<b>86450000</b>

<b>3 Services :</b>		<b>Rs.</b>			
8	3.1	Internal water supply and sanitary installation	86450000	10%	8645000
9	3.2	External service connections	86450000	5%	4322500
10	3.4	Internal electric installations	86450000	12.5%	10806250
	3.6	<b>Extra for :</b>			
	3.6.3.1	Lightning conductor (5-8 storeys)	86450000	0.33%	285285
12	3.6.4	Telephone conduits	86450000	0.5%	432250
13	3.6.6	Computer conduiting	86450000	0.5%	432250
		<b>Total B</b>			<b>Rs. 24923535</b>

Energy Efficient Features						
14	MR	Extra for 300 mm cavity wall				
15	MR	Extra for roof insulation	Sqm.	6295	484	3046780
16	MR	Extra for china mosaic on roof	Sqm.	2185	575	1256375
17	MR	Extra for solar heating system	Sqm.	2185	345	753825
			Solar panels	24	15000	360000
<b>Total C</b>						<b>Rs. 5416980</b>

Extra for additional specifications						
18	MR	Extra for pergola	Sqm.	150	2394	359100
<b>Total D</b>						<b>Rs. 359100</b>

4 Passenger Lift						
19	4.1.1	Passenger Lift ( G+4 ) for 8 persons		4	1350000	5400000
<b>Total E</b>						<b>Rs. 5400000</b>

<b>Total A+B+C+D+E</b>						<b>135971115</b>
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**NAME OF WORK : PG HOSTEL, IIIT DM JABALPUR : Part - A, 2 HOSTEL CLUSTERS ( 404 ROOMS))**  
**BREAK UP OF COMPONENT WISE COST**

S.No.	Description	Amount
1	Framed Structure including services (A + B + E)	130195035
2	Enhancement over DPAR 43%	55983865
3	Energy efficiency (C)	5416980
4	Extra for additional specifications (D)	359100
<b>Total</b>		<b>191954980</b>

**NAME OF WORK : PG HOSTEL, IIIT DM JABALPUR (Part - B, FACILITIES BLOCK)**

Preliminary Estimate based on CPWD Plinth Area Rates 2007 & MR.

I : Civil Work (Based on CPWD Plinth Area Rates 2007 with C.I. = 143 & MR)

S. NO.	Code	Description	Unit	Qty.	Rate	Amount
<b>1</b>	<b>RCC Framed Structure :</b>					
		RCC framed structure upto six storeys				
1	1.1.1	Floor height 3.35 m	Sqm	585	13200	7722000
	<b>1.2</b>	<b>Extra for :</b>				
2	1.2.3	For 0.25m additional height of floor above 3.35 m	Sqm	585	150	87750
		For 3.85m additional height of floor above 3.35 m	Sqm	27	1925	51975
3	1.2.5	For 0.30 m deeper foundation over normal depth of 1.2 m (for ground floor area only)	Sqm	585	150	87750
4	1.2.8	Resisting Earthquake forces	Sqm	585	630	368550
5	1.2.12	Larger modules over 35 sqm.	Sqm	196	990	194040
	1.4	<b>Fire Fighting</b>				
6	1.4.1	With wet riser system	Sqm	585	300	175500
	1.5	<b>Fire Alarm System</b>				
7	1.5.2	Manual Fire Alarm System	Sqm	585	155	90675
<b>Total A</b>					<b>Rs.</b>	<b>8778240</b>

<b>Building Cost (sl. No.1)</b>		<b>Rs.</b>
		<b>7722000</b>

<b>3 Services :</b>		<b>Rs.</b>				
8	3.1	Internal water supply and sanitary installation	7722000	10.00%	772200	
9	3.2	External service connections	7722000	5.00%	386100	
10	3.4	Internal electric installations	7722000	12.50%	965250	
	<b>3.6</b>	<b>Extra for :</b>				
11	3.6.1	Power wiring & plugs.	7722000	4.00%	308880	
12	3.6.3.1	Lightning conductor (upto 4 storeys)	7722000	0.5%	38610	
13	3.6.4	Telephone conduits	7722000	0.5%	38610	
14	3.6.6	Computer conduiting	7722000	0.5%	38610	
15	LS	Extra for Kitchen Electrical loads & Cable tray			100000	
<b>Total B</b>					<b>Rs.</b>	<b>2648260</b>

Energy Efficient Features						
16	MR	Extra for 300 mm cavity wall		295	484	142780
17	MR	Extra for roof insulation	Sqm.	510	575	293250
18	MR	Extra for china mosaic on roof	Sqm.	585	345	201825
19	MR	Extra for solar heating system	Solar panels	2	15000	30000
<b>Total C</b>						<b>Rs. 667855</b>

Extra for additional specifications						
20	MR	Extra for pergola	Sqm.	50	2394	119700
21	LS	Extra for Kitchen drainage system including channel , Grease traps etc.				100000
<b>Total D</b>						<b>Rs. 219700</b>

<b>Total A+B+C+D</b>						<b>12314055</b>
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**NAME OF WORK : PG HOSTEL, IIIT DM JABALPUR (Part - B, FACILITIES BLOCK)**  
**BREAK UP OF COMPONENT WISE COST**

S.No.	Description	Amount
1	Framed Structure including services (A +B)	11426500
2	Enhancement over DPAR 43%	4913395
3	Energy efficiency (C)	667855
4	Extra for additional specifications (D)	219700
<b>Total</b>		<b>17227450</b>

**NAME OF WORK : PG HOSTEL, IIIT DM JABALPUR (Part - C, DEVELOPMENT OF SITE)**

Preliminary Estimate based on CPWD Plinth Area Rates 2007 & MR

6		Development of site				
1	6.1	Levelling	Sqm	14450	55	794750
2	6.2	Internal roads and paths	Sqm	14450	83	1199350
3	6.3	Sewer	Sqm	14450	63	910350
4	6.4.3	Unfiltered water supply	Sqm	14450	27	390150
5	6.5	Storm water drains	Sqm	14450	50	722500
6	6.6	Horticulture operations	Sqm	14450	47	679150
7	6.7.3	Street lighting with HPSV lamps	Sqm	14450	95	1372750
<b>Total A</b>						<b>6069000</b>

\* Area includes Married Student Housing

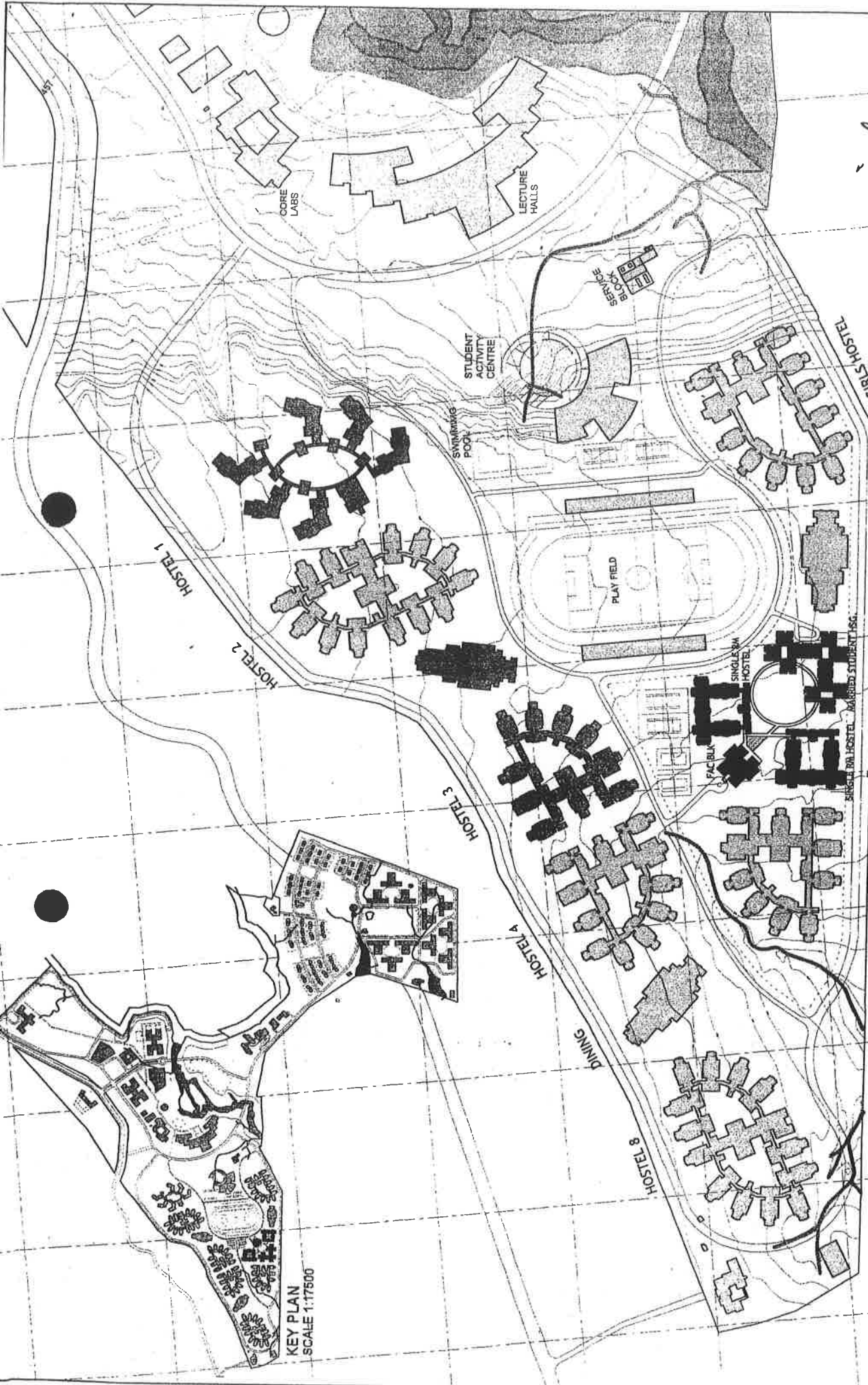
Extra for additional specifications						
8	MR	Rain Water Harvesting recharge pit	Each	2	225000	450000
<b>Total B</b>					<b>Rs.</b>	<b>450000</b>

**Total A+B**

**6519000**

**NAME OF WORK : PG HOSTEL, IIIT DM JABALPUR (Part - C, DEVELOPMENT OF SITE)**  
**BREAK UP OF COMPONENT WISE COST**

S.No.	Description	Amount
1	Development of site A	6069000
2	Enhancement over DPAR 43%	2609670
3	Extra for additional specifications B	450000
<b>Total A + B</b>		<b>9128670</b>



KEY PLAN  
SCALE 1:17500

*Signature*

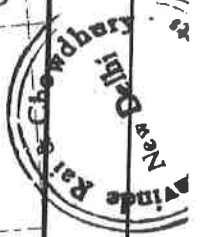
PG HOSTEL IIT DM, JABALPUR

LOCATION PLAN

SCALE  
1:3500



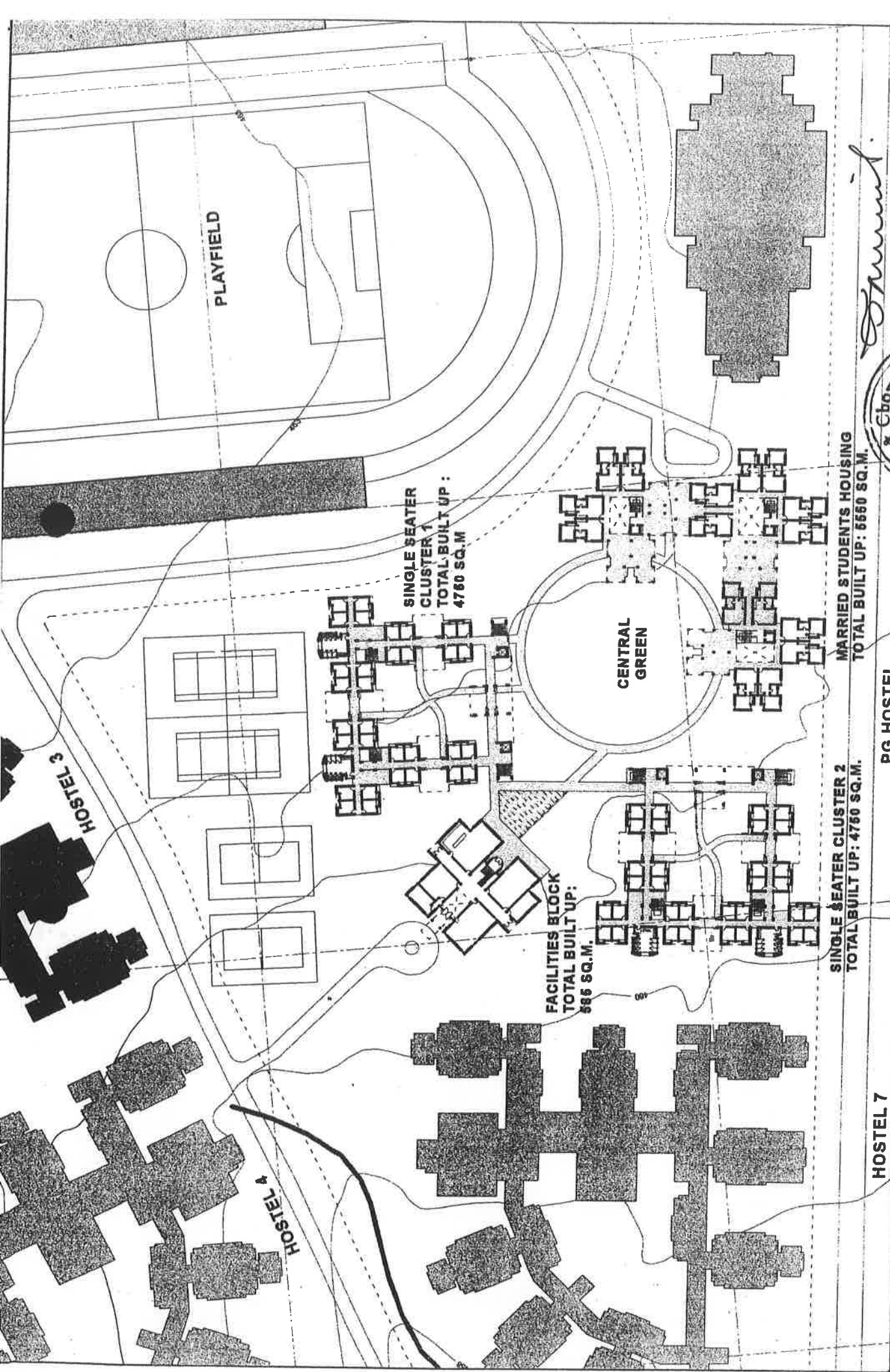
KANVINDE, RAI & CHOWDHURY  
architects & planners, new delhi



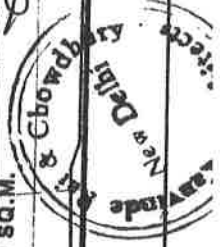
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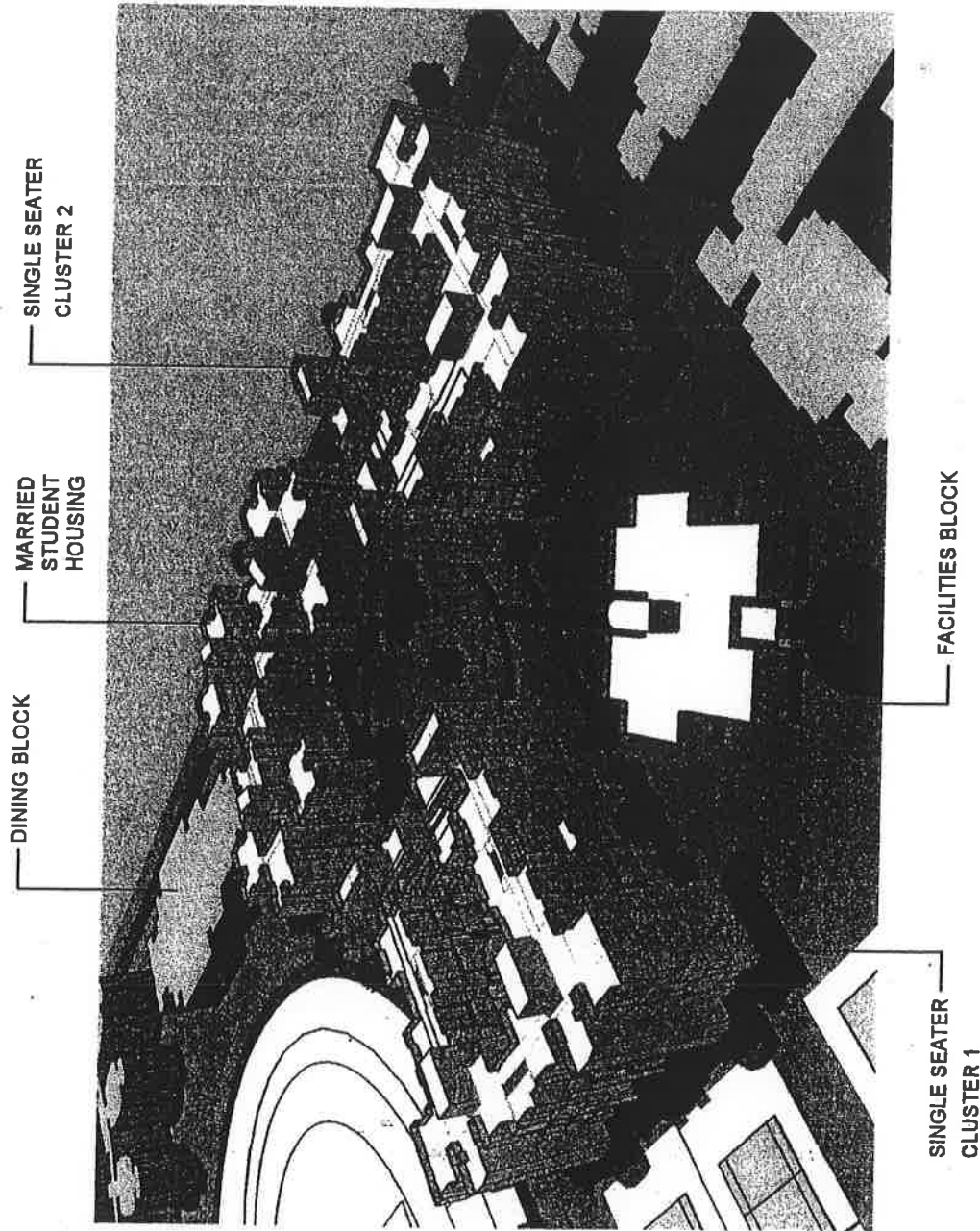
*Samir*



PG HOSTEL III T DM, JABALPUR	SITE PLAN	SCALE 1:1000	PG HOSTEL	KANVINDE, RAI & CHOWDHURY architects & planners, new delhi	02	12/11/2010
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## DESIGN APPROACH/SALIENT FEATURES

- PG Hostel brief: Married Student Housing for 100 1 BR apartments & 400 single seater Hostel.
- 1 BR apartment of Married Student Housing consists of Living, Dining, kitchen, Bedroom & Toilet.
- Facilities Block to cater to Administration, Warden, Recreation, Canteen, Lounge etc.
- Dining Block to be shared between PG Hostel & proposed Girls Hostel.
- Proposed site situated along plot edge near the playfield & flanked by the proposed Hostel 7 & Dining Hall and Hostel 3 across from the pedestrian path.
- Access from 6m road along the plot edge and also from 3m. pedestrian/ cycle way along the playfield.
- Since the plot available for the PG Hostel is quite tight, it is necessary to have a development that is somewhat higher than the existing Hostels
- Since PG Hostel comprises two components namely the Married Student Housing & Single Seater Hostel, it is desirable to have a distinct identity for both in terms of form & function, both entities sharing the common facilities.
- Conscious attempt to reduce footprint of building yet not have a very high building with the development limited to 5 floors.
- The entire development is designed in the form of clusters around courts. The 3 clusters & the Facilities Block share a common central green space.
- Hierarchy of space within the open space structure.
- Facilities Block planned as a single storey development & serves as an entrance point for both the Single Seater & Married Student Housing.
- Creation of double height stilted areas at the ground floor thereby increasing the visual linkage of the open space network.
- Massing/ variation in skyline; form envisaged as stepped development to reduce monotony of a uniform height development.
- Provision of stilted area for cycle parking on the periphery, accessed from the rear & segregated from the pedestrian movement.
- Setbacks assumed are 6m from the rear access road & pedestrian path, 15m from the adjoining proposed Hostel 8 and 12m from the proposed Dining Block.
- Provision of adequate spill out spaces, toilets, drying clothes, verandahs & drinking water outlets at every floor.
- Provision of lifts & staircases as per travel distance requirement of the National Building Code.



*Kanvinde Rai & Chowdhury*

PG HOSTEL IIIIT DM, JABALPUR

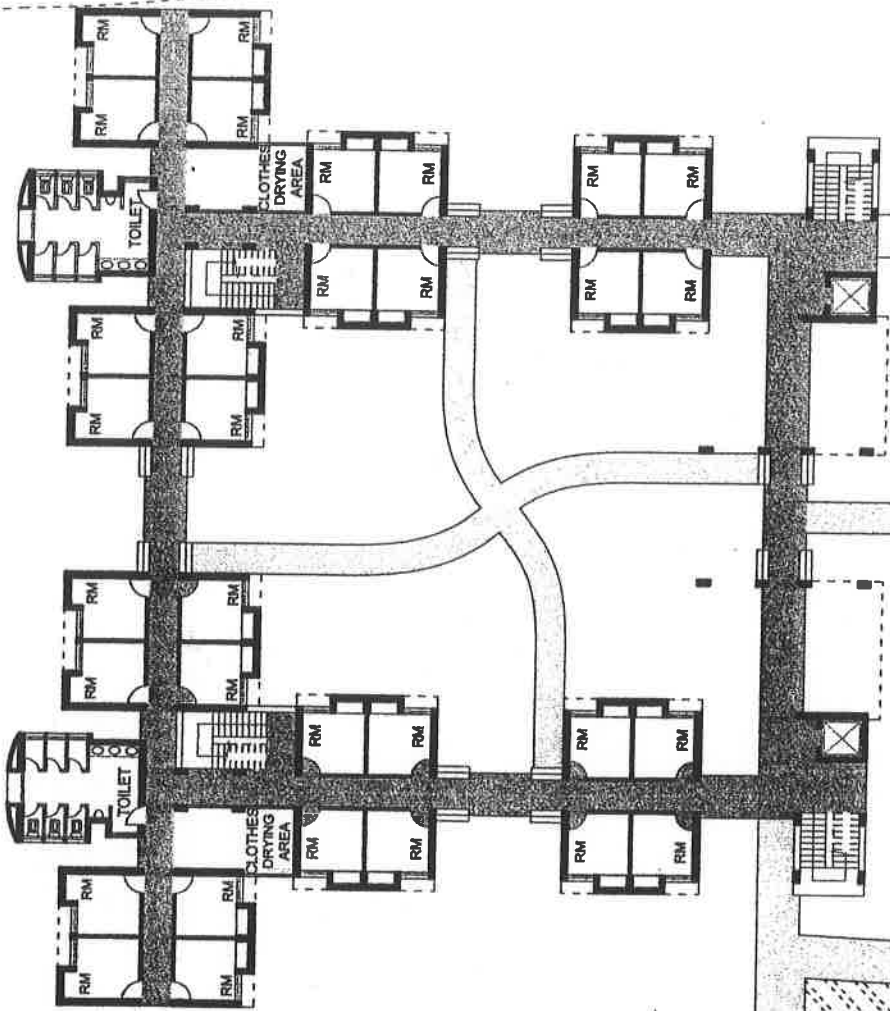
CONCEPT

KANVINDE .RAI & CHOWDHURY  
architects & planners, new delhi

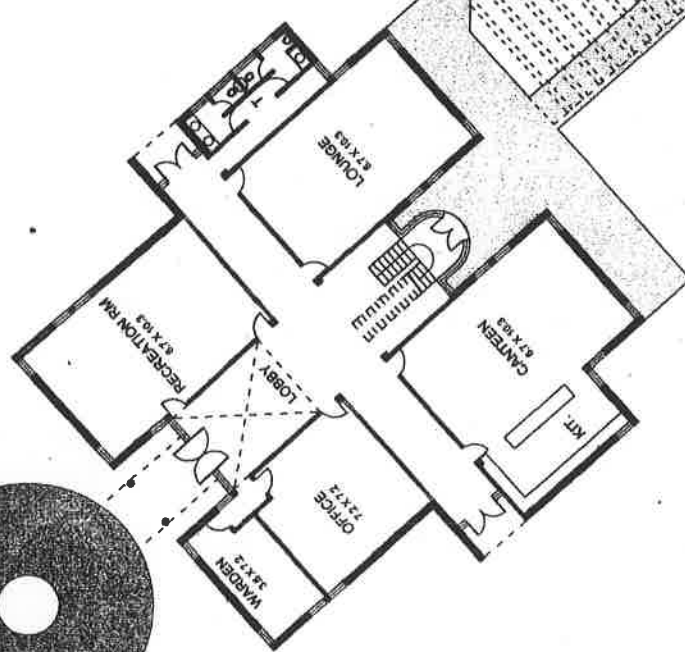
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12/11/2016

PLAYFIELDS

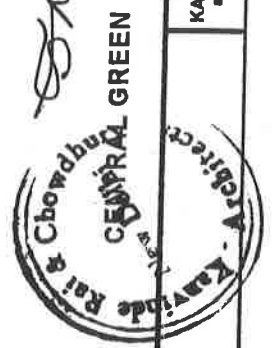


**SINGLE SEATER CLUSTER 1**  
**NO. OF ROOMS : 32**  
**FLOOR AREA : 780 SQ.M.**



**FACILITIES BLOCK**  
**FLOOR AREA : 686 SQ.M**

**GROUND FLOOR PLAN**



SCALE

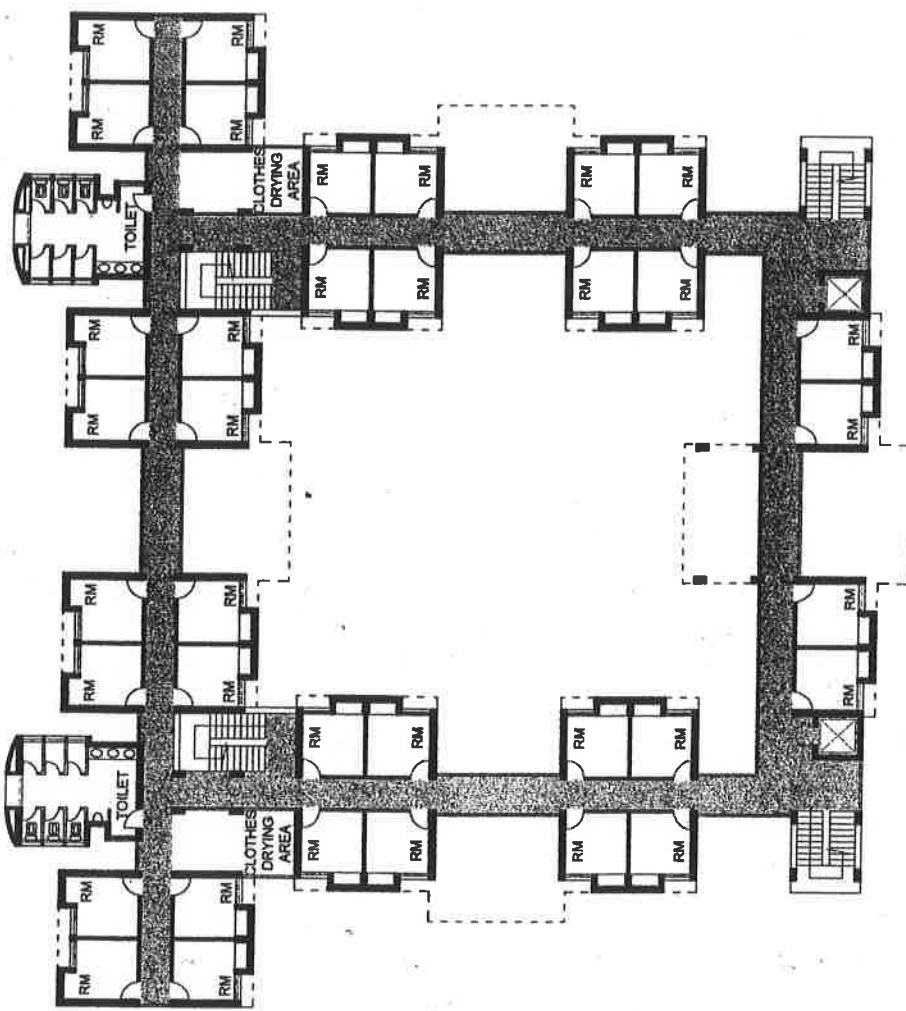
**HOSTEL & FACILITIES BLOCK**

**PG HOSTEL IIIT DM, JABALPUR**

**KANVINDE, RAI & CHOWDHURY**  
 architects & planners, new delhi

**04**

12/11/2010



**SINGLE SEATER CLUSTER 1**

**NO. OF ROOMS: 36**

**FLOOR AREA: 910 SQ.M.**

**FIRST FLOOR PLAN**

**AREA STATEMENT :**

**CLUSTER**

FLOOR	FLOOR AREA	NO. OF ROOMS
GROUND FLOOR	780 SQ.M.	32
FIRST FLOOR	910 SQ.M.	36
SECOND FLOOR	1040 SQ.M.	46
THIRD FLOOR	1040 SQ.M.	46
FOURTH FLOOR	980 SQ.M.	42
<b>CLUSTER TOTAL</b>	<b>4750 SQ.M.</b>	<b>202</b>
<b>TOTAL CLUSTER 1&amp;2</b>	<b>9500 SQ.M.</b>	<b>404</b>

**FACILITIES BLOCK**

FLOOR	FLOOR AREA
GROUND FLOOR	585 SQ.M.
<b>TOTAL</b>	<b>585 SQ.M.</b>

**PG HOSTEL IIIT DM, JABALPUR**

**HOSTEL & FACILITIES BLOCK**

**SCALE**  
1:350

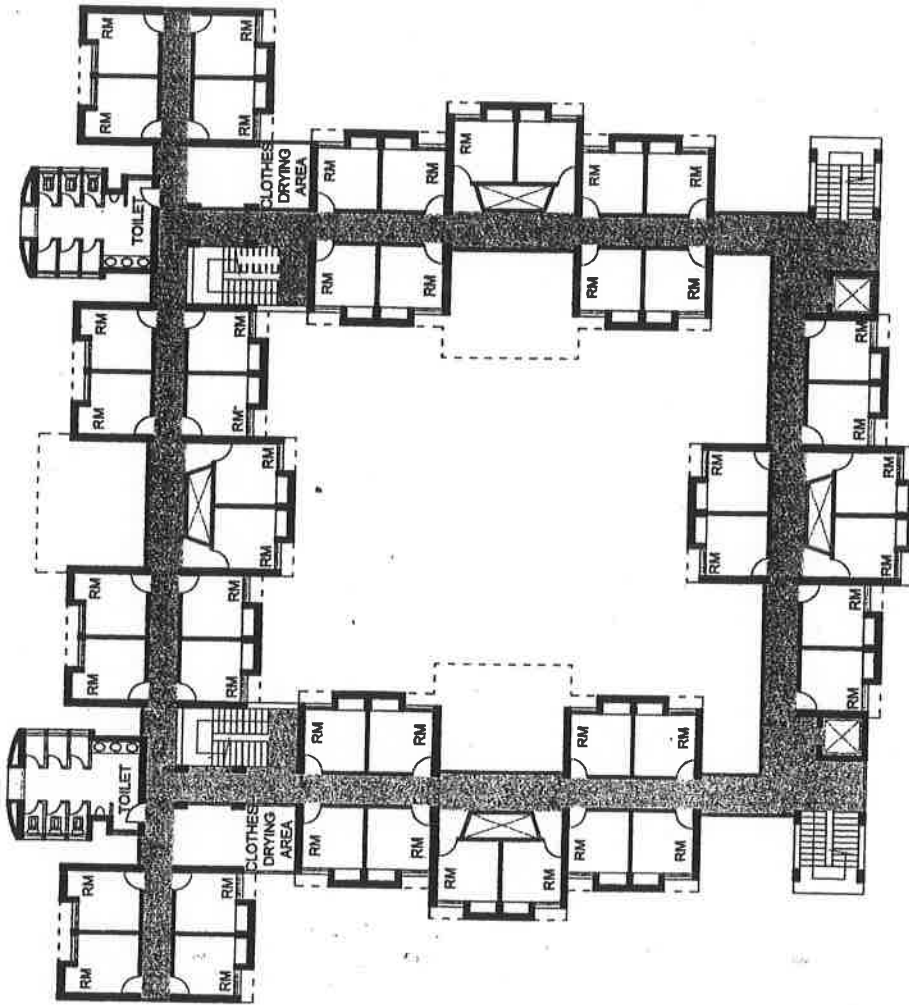


*Kanvande Rati & Chowdhury*

**KANVINDE, RAI & CHOWDHURY**  
architects & planners, new delhi

**05**

12/1/2010

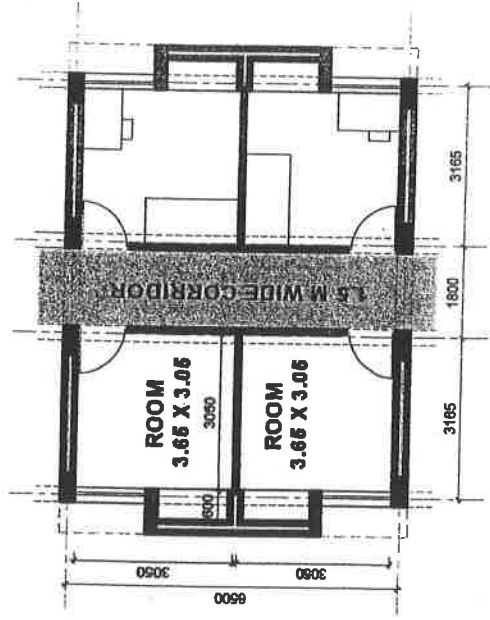


**SINGLE SEATER CLUSTER 1**

**NO. OF ROOMS: 46**

**FLOOR AREA: 1040 SQ.M.**

**SECOND FLOOR PLAN**



**TYPICAL BAY**  
**SCALE 1:100**



**PG HOSTEL IIIT DM, JABALPUR**

**HOSTEL & FACILITIES BLOCK**

**SCALE 1:350**



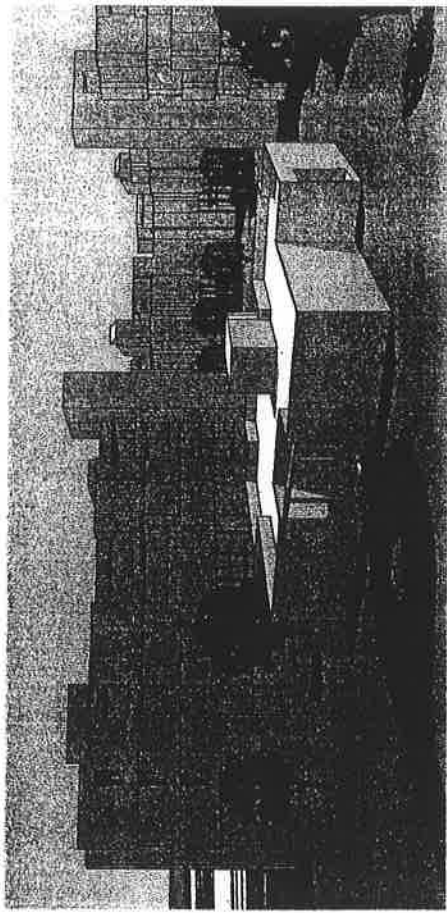
**KANVINDE, RAI & CHOWDHURY**  
architects & planners, new delhi

**06**

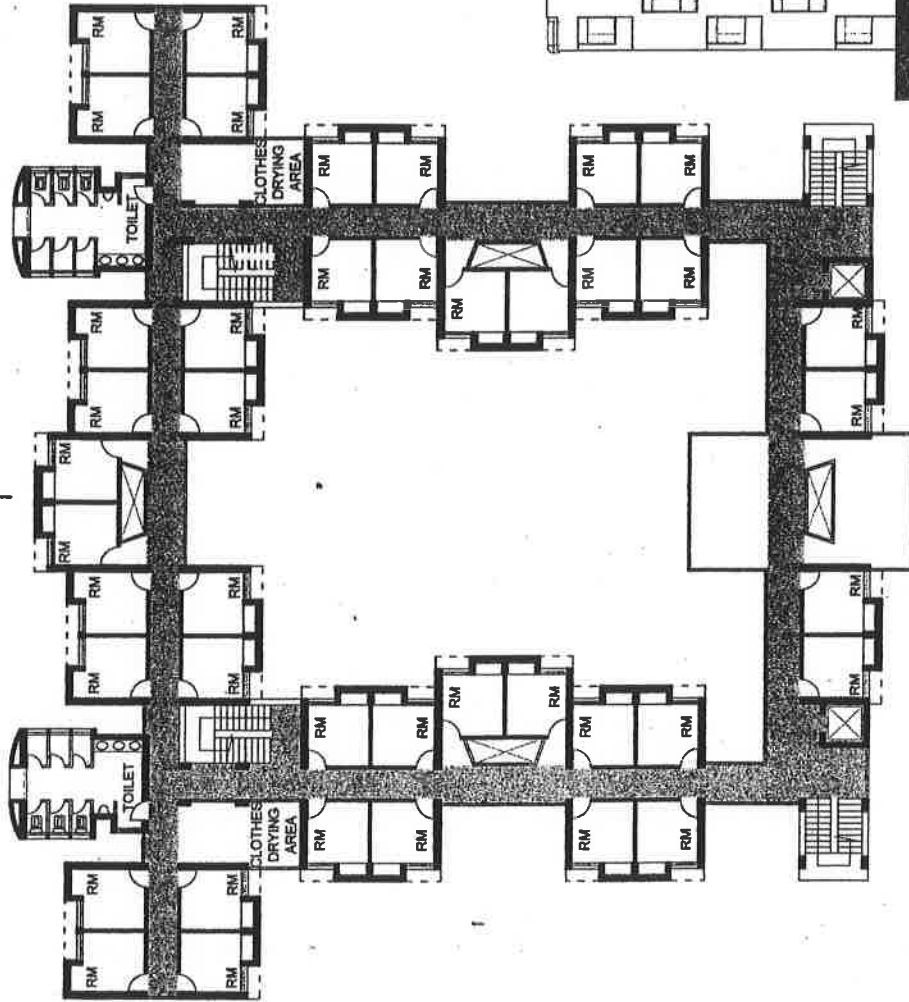
12/1/2010







**FACILITIES BLOCK**

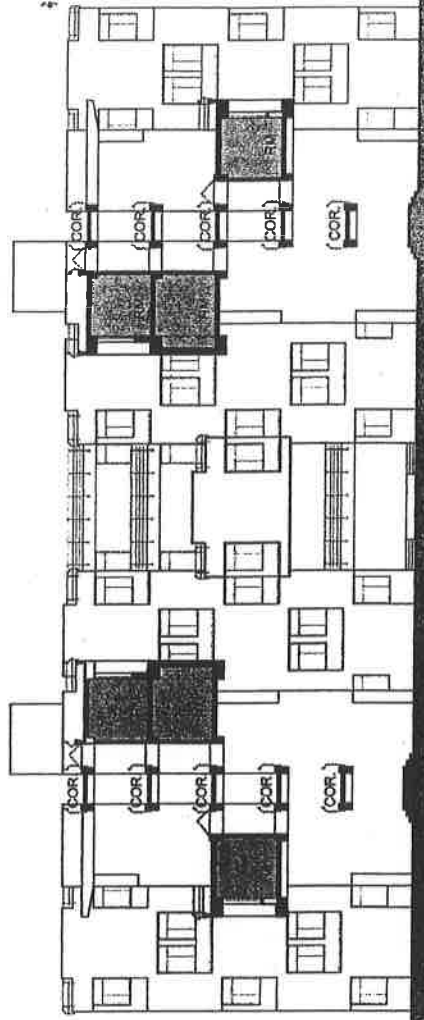


**SINGLE SEATER CLUSTER 1**

**NO. OF ROOMS: 42**

**FLOOR AREA: 980 SQ.M.**

**FOURTH FLOOR PLAN**



**SECTION BB'**



**HOSTEL & FACILITIES BLOCK**

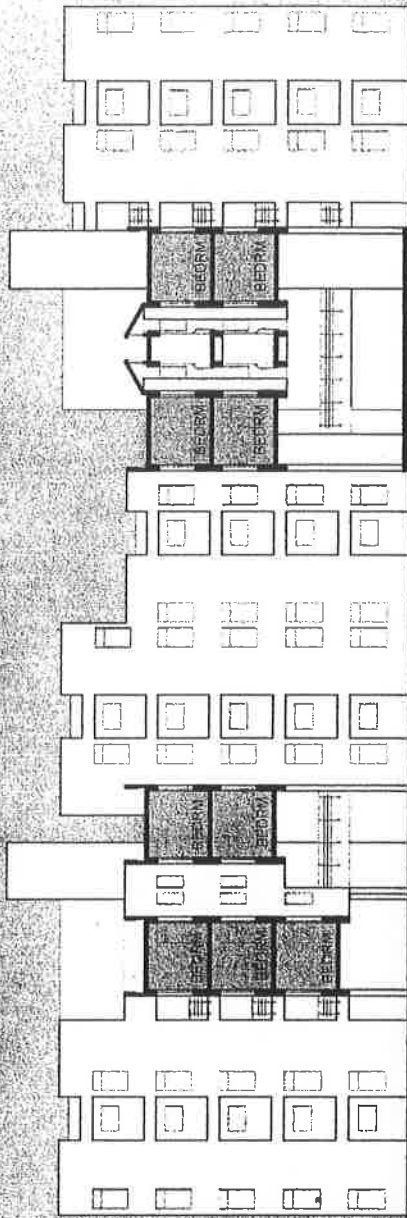
**PG HOSTEL IIIT DM, JABALPUR**

**SCALE 1:350**

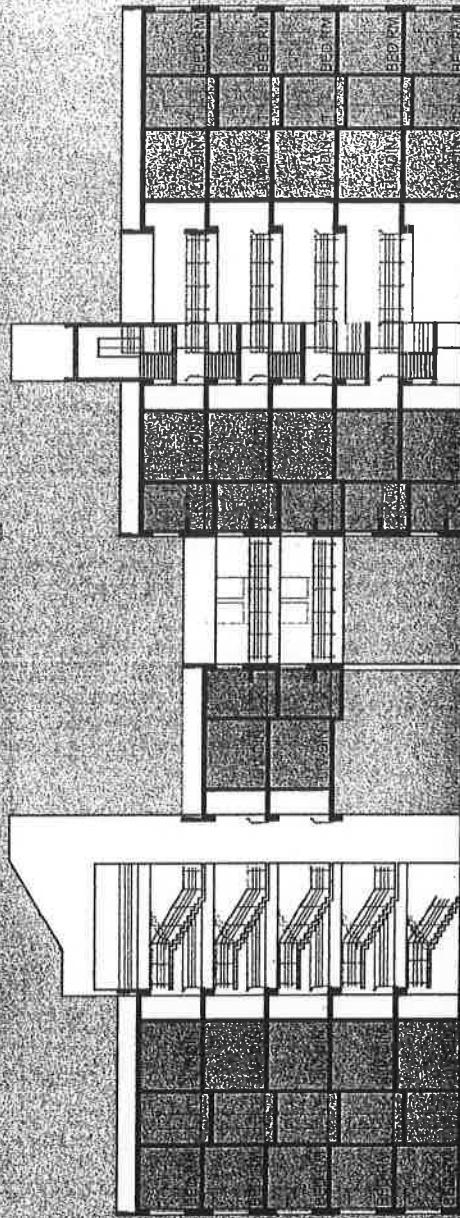
**KANVINDE, RAI & CHOWDHURY**  
architects & planners, new delhi

**08**

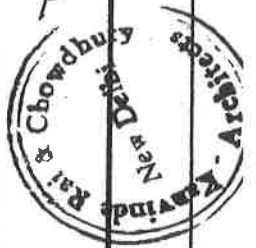
12/1/2010



SECTION CC'



SECTION DD'



*Kavinde Rai & Chowdhury*

PG HOSTEL IIIT DM, JABALPUR

MARRIED STUDENTS HOUSING

SCALE  
1:350



KAVINDE ,RAI & CHOWDHURY  
architects & planners, new delhi

13

02/11/2010



**B&WC/2012: 1.04** To consider the Preliminary Estimate for the work of Construction of Administrative Block for PDPM-IIITDM, Jabalpur

A rough cost estimate amounting to Rs. 1500 lacs (Rupees One thousand five hundred lacs only) has been framed considering the area requirement and prevailing per unit area cost. The Preliminary Estimate is under preparation by the consultant M/s Kanvinde Rai & Chowdhury, New Delhi. The Preliminary Estimate as forwarded by M/s Kanvinde Rai & Chowdhury, New Delhi, shall be put on the table during the meeting it self.

**The B & WC is requested to consider the Preliminary Estimate for construction of Administrative Block for PDPM-IIITDM, Jabalpur for the actual amount of the estimate, and to request the Finance Committee to consider the same for onward recommendation to the Board of Governors for its administrative approval and expenditure sanction.**

**B&WC/2012: 1.05** To consider the Preliminary cum detailed Estimate for the work of Construction of Student Activity Centre-I at PDPM-IIITDM, Jabalpur

A Preliminary Estimate has been submitted by the consultant M/s. Datta & Datta Associates, Ahemdabad for construction of Student Activity Centre-I. In this estimate provisions have been made for amphitheatre, multipurpose hall (indoor), squash court and a swimming pool. The estimate amounting to Rs 1826.1 lacs (Rs One thousand eight hundred twenty six point one lacs only) as forwarded by the architects which is based on CPWD Delhi Plinth area rates 2007 with approved cost enhancement i.e 43% at Jabalpur, 3% contingencies and 5% architect fee (service tax as applicable) has been placed as Annexure B&WC/2012/1/A-3 (page P-26 to P-39).

The B & WC is requested to consider the Preliminary Estimate for construction of Student Activity Centre-I\_at PDPM-IIITDM, Jabalpur for Rs 1826.1 lacs (Rs One thousand eight hundred twenty six point one lacs only) and to request the Finance committee to consider the same for onward recommendation to the Board of Governors for its administrative approval and expenditure sanction.

**Name of Work:- Construction of Student Activity Center Phase I for PDPM IIIT D&M, Jabalpur(MP)**

This Preliminary Estimate Framed by Datta and Datta Associates, Ahmedabad of the probable cost of Rs. 18,26,10,000/- ( Rupees Eighteen crore Twenty Six Lac Ten thousand only ) including 43% cost Index as per latest CPWD circular and 5% Architect fees.

**REPORT**

**History:-** This Preliminary estimate amounting to Rs. 18,26,10,000/- including 43% cost Index, 3% Contingencies and 5% Architect fees has been framed to meet the probable cost of the above work and for accord of Administrative Approval & Expenditure Sanction from the competent authority.

The requisition for the work has been communicated by the institute vide letter no. IIITDMJ/B&W/11/12/07 dated 08.12.2011.

**Design & Scope :-** The preliminary cum detailed estimate has been framed based on the following architectural drawings, developed by Architects Datta and Datta Associates on behalf of PDPM IIIT D&M, Jabalpur (MP).

Sr.No.	Drg. No.	Description
1	SAC-01	Layout Plan
2.	W-06	Sections

The estimate provides for construction of Students Activity Center Phase I in G+1F Construction. The buildings shall have provisions for the following sports and activities: Badminton, Squash, Swimming, Amphitheatre. The buildings shall be RCC framed structure including Halls having Steel truss roof. Load bearing capacity of soil formation is assumed at 180 Kn/m<sup>2</sup>, yet to be determined.

The estimate for Students Activity Center Phase I has been framed keeping in view the provision of specification and construction material shown in the drawings. Proposed specifications to be followed in construction are attached below.

The estimate does not include following provisions, as separate estimate is understood to be sanctioned.

1. Provision of rain water harvesting
2. Metalled road
3. Street lighting
4. Compound wall and fencing
5. External water supply system
6. Sewerage system
7. Drainage system

The cost projected in this estimate is liable to revision due to probable escalation in cost of construction apart from other reasons such as change in scope, area, design, specification etc, if, and as desired by the client department at a later date.

**SPECIFICATION:** The work shall be carried out as per CPWD specification 2007 Vol I to II.

**RATE :-** As per PAR 2007 with upto date correction slips duly enhanced by approved cost index of 143 for Jabalpur as on 01.01.12.

Cost :- Rs. 18,26,10,000/- including 43% cost Index, 5% Architect fees & 3 % contingencies.

W.C. Estt.:- Shall be met out of contingencies, if required.

LAND:- Available with client.

T & P:- No special T&P will be required.

METHOD:- By contract after call of tenders.

TIME:- 15 Months

### BRIEF DESCRIPTION OF SPECIFICATIONS

SR. NO.	ITEM	SPECIFICATION
1.	<b>Foundation</b>	<b>RCC Isolated/combined footings for Columns. Bearing capacity of soil 18 T/Sqm at 1.5m below ground level.</b>
2.	<b>Superstructure</b>	<b>RCC frame structure, with bricks infill walls. Badminton Hall shall have a steel truss roof</b>
3.	<b>Shutters</b>	
	a) Window	Openable Aluminium window
	b) Door	Flush door with Wooden frame
	c) W.C./ Bathroom	Solid PVC shutters
4.	<b>Fittings</b>	<b>Powder coated aluminium fittings</b>
5.	<b>Flooring</b>	
	a) In Rooms	Vitrified Tile Flooring
	b) Common Circulation Area/ Staircase	Kota Stone/ Green marble flooring with matching skirting
	c) Toilets	Anti skid ceramic tile flooring and dado work
	d) Badminton Hall/ Squash Court	Wooden Flooring
6.	<b>Finishing</b>	
	a) External	Acrylic smooth Exterior paint
	b) Internal	All walls and ceilings to be treated with 2mm thick POP putty followed by a coat of plastic emulsion paint except bath, WC and ceilings, which will be white washed. Synthetic enamel paint on all wood work and steel work
7.	<b>Roofing</b>	<b>Integrated cement based water proofing treatment over terrace slab</b>
8.	<b>Others</b>	<b>Provision of Solar water heater, modular switches and energy saving fixtures</b>

**Project: Proposed Construction of Student Activity Center At IIITDM Jabalpur**

**Client: PDPM Indian Institute of Information Technology Design and Manufacturing, Dumna Air Port Road,  
P.O. Khamariya, Jabalpur-482005**

**Architects : Datta And Datta Associates, 101, Sneh Shilp, 66 Swastik Society, Navrangpura,  
Ahmedabad- 09**

**TOTAL SUMMARY**

<b>SR NO</b>	<b>DESCRIPTION</b>				<b>ESTIMATE</b>
<b>1</b>	<b>MULTIPURPOSE HALL</b>				<b>94854859.34</b>
<b>2</b>	<b>SQUASH COURT</b>				<b>14105154.88</b>
<b>3</b>	<b>SWIMMING POOL</b>				<b>46434310.75</b>
<b>4</b>	<b>AMPHITHEATRES</b>				<b>12732229.45</b>
	<b>TOTAL ESTIMATE FOR STUDENT ACTIVITY CENTER (A)</b>				<b>168126554.43</b>
<b>9.0</b>	Contingencies	%	168126554.43	3.00%	5043796.63
<b>10.0</b>	Architect Fees @ 5.612%	%	168126554.43	5.612 %	9435262.23
	<b>GRAND TOTAL</b>				<b>182605613.29</b>
	<b>GRAND TOTAL</b>				<b>182610000.00</b>
<b>(Rs. EIGHTEEN CRORE TWENTY SIX LACS TEN THOUSAND ONLY )</b>					

**Project: Proposed Construction of Student Activity Center At IIITDM Jabalpur**

**Client: PDPM Indian Institute of Information Technology Design and Manufacturing, Dumna Air Port Road, P.O. Khamariya, Jabalpur-482005**

**Architects : Datta And Datta Associates, 101, Sneh Shilp, 66 Swastik Society, Navrangpura, Ahmedabad- 09**

**MULTIPURPOSE HALL**

**Preliminary Estimate Based on CPWD Plinth Area Rates 2007**

**ABSTRACT OF COSTS**

SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>1</b>	<b>R.C.C. FRAMED STRUCTURE</b>				
1.1	R.C.C. frames structure upto six storeys				
1.1.1	Floor height 3.35 mt.	SQM	1764.90	13200.00	23296680.00
<b>1.2</b>	<b>EXTRAS FOR</b>				
1.2.3	Every 0.3 mt. additional height of floor above normal floor height of 3.35 mt.	SQM	1764.90	150.00	264735.00
1.2.3	Every 0.3 mt. additional height of floor above normal floor height of 3.35 mt.	SQM	807.09	2100.00	1694889.00
1.2.4	Every 0.3 mt. higher plinth over normal plinth height of 0.6 mt. (on G.F. area only )	SQM	1324.49	150.00	198673.50
1.2.6	Making stronger foundations to take load of one additional floor at a later date (on area of additional floor only )	SQM	1324.49	1250.00	1655612.50
1.2.8	Resisting Earthquake forces	SQM	1764.90	630.00	1111887.00
1.2.11	Stronger structural members to take heavy load above 500 Kgs./sqm. upto 1000 Kgs./Sqm.	SQM	50.00	850.00	42500.00
1.2.12	Larger modules over 35 sqm.	SQM	1764.90	990.00	1747251.00
<b>1.3</b>	<b>BASEMENT FLOOR</b>				
1.3.1	Floor Height 3.35 mt. with normal water proofing treatment with bituminous felt	SQM	884.08	18035.00	15944382.80
<b>1.4</b>	<b>FIRE FIGHTING</b>				
1.4.1	With wet riser system	SQM	1764.90	300.00	529470.00
<b>Total (A)</b>					<b>46486080.80</b>
<b>3.0</b>	<b>SERVICES</b>				
	<b>SANITARY AND PLUMBING</b>				
3.1	Internal water supply and sanitary installations	%	39505797.80	4.00	1580231.91
3.2	External service connections	%	39505797.80	5.00	1975289.89
3.3	Internal Electric Installation	%	39505797.80	12.50	4938224.73

SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>3.6</b>	<b>Extra for :</b>				
3.6.1	Power wiring and plugs	%	39505797.80	4.00	1580231.91
3.6.2	Central Call bell system	%	39505797.80	1.00	395057.98
3.6.3.1	Upto 4 storeys Building	%	39505797.80	0.50	197528.99
3.6.4	Telephone Conduits	%	39505797.80	0.50	197528.99
	<b>Total (B)</b>				<b>10864094.40</b>
<b>(C)</b>	<b>EXTRA RICHER SPECIFICATIONS</b>				
	<b>DSR ITEMS</b>				
2.6	Earth work in excavation over areas (exceeding 30cm in depth. 1.5m in width as well as 10 sqm on plan) including disposal of excavated earth, lead upto 50m and lift upto 1.5m; disposed earth to be levelled and neatly dressed.(45X30X3=4050)				
2.6.1	All kinds of soil	cum	2050.00	101.85	208792.50
2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	cum	2700	45.70	123390.00
4.0	Vitrified Flooring (DSR ITEM CODE 11.41.2 (1031.85) - DSR ITEM CODE 11.10.1 (318.25) = 713.60	Sqm	650.00	713.60	463840.00
	<b>Total (C)</b>				<b>796022.50</b>
	<b>TOTAL (A+B+C)</b>				<b>58146197.70</b>
	<b>NDSR ITEM</b>				
<b>5</b>	<b>PVC / WOODEN FLOORING</b> Providing Decora - Universal Indoor Sport Flooring in-situ 2 Layers(9mm) system with two layer system. They are 100% solid polyrethans.	SQM	884.00	5810.00	5136040.00
<b>6</b>	<b>SPECIAL LIGHTING</b>				2000000.00
	<b>Total (D)</b>				<b>7136040.00</b>
	<b>Total (A + B +C+D)</b>				<b>65282237.70</b>
<b>5.0</b>	Higher Specification For GRIHA RATING	%	65282237.70	5.00%	3264111.88
<b>6.0</b>	Cost Escalation( 43% as per DSR Circulars)	%	58146197.70	43.00%	25002865.01
<b>7.0</b>	Quality assurance	%	65282237.7	1.00%	652822.38
<b>8.0</b>	Labour welfare cess	%	65282237.70	1.00%	652822.38
	<b>Total (E)</b>				<b>29572621.65</b>
	<b>GRAND TOTAL (A+B+C+D+E)</b>				<b>94854859.34</b>

**Project: Proposed Construction of Student Activity Center At IIIT Jabalpur**

**Client: PDPM Indian Institute of Information Technology Design and Manufacturing, Dumna Air Port Road, P.O. Khamariya, Jabalpur-482005**

**Architects : Datta And Datta Associates, 101, Sneh Shilp, 66 Swastik Society, Navrangpura, Ahmedabad-09**

**SQUASH COURT**

**Preliminary Estimate Based on CPWD Plinth Area Rates 2007**

**ABSTRACT OF COSTS**

SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b>SQUASH COURT</b>				
<b>1</b>	<b>R.C.C. FRAMED STRUCTURE</b>				
1.1	R.C.C. frames structure upto six storeys				
1.1.1	Floor height 3.35 mt.	sqm	428.72	13200.00	5659104.00
<b>1.2</b>	<b>EXTRAS FOR</b>				
1.2.4	Every 0.3 mt. higher plinth over normal plinth height of 0.6 mt. (on G.F. area only )	sqm	428.72	150.00	64308.00
1.2.5	Every 0.30 mt. deeper foundations over normal depth of 1.20 metre (on G.F. area only )	sqm	428.72	150.00	64308.00
1.2.8	Resisting Earthquake forces	sqm	428.72	630.00	270093.60
	<b>Total (A)</b>				<b>6057813.60</b>
<b>3.0</b>	<b>SERVICES</b>				
	<b>SANITARY AND PLUMBING</b>				
3.1	Internal water supply and sanitary installations	%	6057813.60	4.00	242312.54
3.2	External service connections	%	6057813.60	5.00	302890.68
3.3	Internal Electric Installation	%	6057813.60	12.50	757226.70
<b>3.6</b>	<b>Extra for :</b>				
3.6.1	Power wiring and plugs	%	6057813.60	4.00	242312.54
3.6.4	Telephone Conduits	%	6057813.60	0.50	30289.07
	<b>Total (B)</b>				<b>1575031.54</b>
	<b>EXTRA RICHER SPECIFICATIONS</b>				
<b>(C)</b>	<b>DSR ITEMS</b>				
2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	cum	950.00	45.70	43415.00
	<b>TOTAL (C)</b>				<b>43415.00</b>
	<b>TOTAL (A+B+C)</b>				<b>7676260.14</b>



SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
(D)	<b>NDSR ITEMS</b>				
1.0	P/F,12mm thickToughened Glass in adequte frame work	sqm	44.00	2015.35	88675.40
2.0	P/F, Special paints as per requirement on the wall of squash court	sqm	160.00	120.00	19200.00
3.0	P/F, Decora universal indoor flooring in situ 2layers 9mm system and 100% solid polyurethene.	sqm	140.00	5810.00	813400.00
4.0	<b>SPECIAL LIGHTING</b>	Rs.			1500000.00
	<b>TOTAL ( D)</b>				<b>2421275.40</b>
	<b>TOTAL (A+B+C+D)</b>				<b>10097535.54</b>
5.0	Higher Specification For GRIHA RATING	%	10097535.54	5.00%	504876.78
6.0	Cost Escalation( 43% as per DSR Circulars)	%	7676260.14	43.00%	3300791.86
7.0	Quality assurance	%	10097535.54	1.00%	100975.36
8.0	Labour welfare cess	%	10097535.54	1.00%	100975.36
	<b>Total (E)</b>				<b>4007619.35</b>
	<b>GRAND TOTAL (A+B+C+D+E)</b>				<b>14105154.88</b>

**Project: Proposed Construction of Student Activity Center At IIIT Jabalpur**

**Client: PDPM Indian Institute of Information Technology Design and Manufacturing, Dumna Air Port Road, P.O. Khamariya, Jabalpur-482005**

**Architects : Datta And Datta Associates, 101, Sneh Shilp, 66 Swastik Society, Navrangpura, Ahmedabad- 09**

**SWIMMING POOL & CHANGING ROOM**

**Preliminary Estimate Based on CPWD Plinth Area Rates 2007**

**ABSTRACT OF COSTS**

<b>SR.</b>	<b>DESCRIPTION</b>	<b>UNIT</b>	<b>QTY</b>	<b>RATE</b>	<b>AMOUNT</b>
<b>1</b>	<b>R.C.C. FRAMED STRUCTURE</b>				
1.1	R.C.C. frames structure upto six storeys				
1.1.1	Floor height 3.35 mt.	SQM	306.00	13200.00	4039200.00
<b>1.2</b>	<b>EXTRAS FOR</b>				
1.2.4	Every 0.3 mt. higher plinth over normal plinth height of 0.6 mt. (on G.F. area only )	SQM	306.00	150.00	45900.00
1.2.5	Every 0.30 mt. deeper foundations over normal depth of 1.20 metre (on G.F. area only )	SQM	306.00	150.00	45900.00
1.2.6	Making stronger foundations to take load of one additional floor at a later date (on area of additional floor only )	SQM	306.00	1250.00	382500.00
1.2.8	Resisting Earthquake forces	SQM	306.00	630.00	192780.00
	<b>Total (A)</b>				<b>4706280.00</b>
<b>3.0</b>	<b>SERVICES</b>				
	<b>SANITARY AND PLUMBING</b>				
3.1	Internal water supply and sanitary installations	%	4039200.00	4.00	161568.00
3.2	External service connections	%	4039200.00	5.00	201960.00
3.3	Internal Electric Installation	%	4039200.00	12.50	504900.00
<b>3.6</b>	<b>Extra for :</b>				
3.6.1	Power wiring and plugs	%	4039200.00	4.00	161568.00
3.6.4	Telephone Conduits	%	4039200.00	0.50	20196.00
3.6.7	Quality assurance	%	4039200.00	1.00	40392.00
	<b>Total (B)</b>				<b>1090584.00</b>
<b>5.0</b>	<b>WATER TANK (RCC ONLY)</b>				
5.5	Underground Sump for swimming pool	Lit	2515000.00	9.00	22635000.00
<b>6.4</b>	<b>Filter water supply</b>				
6.4.1	Distribution lines 100mm dia and above	sqm	1280.00	46.00	58880.00
6.4.2	Peripheral grid 150mm to 300mm dia pipes	sqm	1280.00	35.00	44800.00
6.4.3	Unfiltered water supply distribution lines	sqm	1280.00	27.00	34560.00
	<b>TOTAL ( C )</b>				<b>22773240.00</b>

SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b>EXTRA RICHER SPECIFICATIONS</b>				
<b>(D)</b>	<b>DSR ITEM</b>				
	<b>Calculation for Paver block flooring around swimming pool area</b>				
2.0	Earth work				
2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	cum	1250.00	45.7	57125.00
2.6	Earthwork in surface excavation not exceeding 30cm in depth.				
2.1.1	All kind of soil	cum	120.00	101.85	12222.00
4.1.8	(1:4:8) P.C.C work	cum	56.10	2449.00	137388.90
11.20.2	Providing & fixing chequered precast cement concrete tiles 22mm thick.	sqm	359.00	973.15	349360.85
	<b>Fencing around Swimming pool</b>				
2.8	Earth work in excavation in foundation trenches for provide brick work for fixing fencing around swimming pool.				
2.8.1	All kinds of soil.	cum	57.60	103.40	5955.84
6.1	Brick work with F.P.S. bricks of class designation 75 in foundation and plinth in :				
6.1.2	Cement mortar 1:6 (1 cement : 6 coarse sand)	cum	18.54	2121.75	39337.25
16.2	P/L,Welded steel wire fabric fencing with post of specific materials.	sqm	120.00	11.50	1380.00
	<b>TOTAL (D)</b>				<b>602769.84</b>
	<b>TOTAL (A+B+C+D)</b>				<b>29172873.84</b>
<b>(E)</b>	<b>NDSR ITEM</b>				
1.0	<b>SPECIAL LIGHTING</b>	Rs.			2500000.00
	<b>TOTAL (E)</b>				<b>2500000.00</b>
	<b>TOTAL (A+B+C+D+E)</b>				<b>31672873.84</b>
5.0	Higher Specification For GRIHA RATING	%	31672873.84	5.00%	1583643.69
6.0	Cost Escalation( 43% as per DSR Circulars)	%	29172873.84	43.00%	12544335.75
7.0	Quality assurance	%	31672873.84	1.00%	316728.74
8.0	Labour welfare cess	%	31672873.84	1.00%	316728.74
	<b>Total (E)</b>				<b>14761436.92</b>
	<b>GRAND TOTAL (A+B+C+D+E+F)</b>				<b>46434310.75</b>

**Project: Proposed Construction of Student Activity Center At IIIT Jabalpur**

**Client: PDPM Indian Institute of Information Technology Design and Manufacturing, Dumna Air Port Road, P.O. Khamariya, Jabalpur-482005**

**Architects : Datta And Datta Associates, 101, Sneh Shilp, 66 Swastik Society, Navrangpura, Ahmedabad- 09**

**AMPHITHEATRE**

**Preliminary Estimate Based on CPWD Plinth Area Rates 2007**

**ABSTRACT OF COSTS**

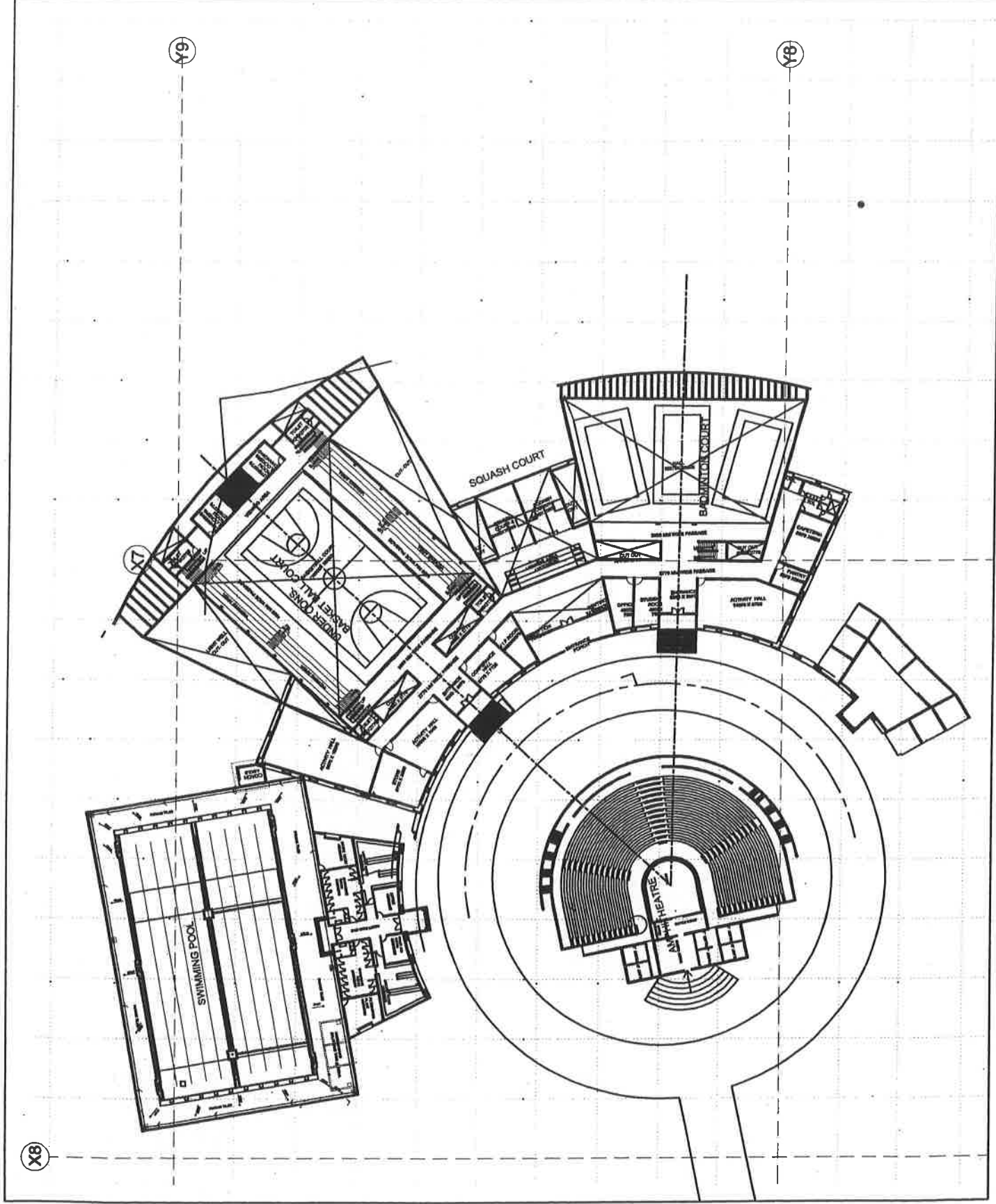
SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<b>1</b>	<b>R.C.C. FRAMED STRUCTURE</b>				
1.1	R.C.C. frames structure upto six storeys				
1.1.1	Floor height 3.35 mt.	SQM	199.00	13200.00	2626800.00
<b>1.2</b>	<b>EXTRAS FOR</b>				
1.2.3	Every 0.3 mt. additional height of floor above normal floor height of 3.35 mt.	SQM	199.00	150.00	29850.00
1.2.4	Every 0.3 mt. higher plinth over normal plinth height of 0.6 mt. (on G.F. area only )	SQM	199.00	150.00	29850.00
1.2.8	Resisting Earthquake forces	SQM	199.00	630.00	125370.00
1.2.11	Stronger structural members to take heavy load above 500 Kgs./sqm. upto 1000 Kgs./Sqm.	SQM	50.00	850.00	42500.00
<b>1.4</b>	<b>FIRE FIGHTING</b>				
1.4.1	With wet riser system	SQM	199.00	300.00	59700.00
	<b>Total (A)</b>				<b>2914070.00</b>
<b>3.0</b>	<b>SERVICES</b>				
	<b>SANITARY AND PLUMBING</b>				
3.1	Internal water supply and sanitary installations	%	2656650.00	4.00	106266.00
3.2	External service connections	%	2656650.00	5.00	132832.50
3.3	Internal Electric Installation	%	2656650.00	12.50	332081.25
<b>3.6</b>	<b>Extra for :</b>				
3.6.1	Power wiring and plugs	%	2656650.00	4.00	106266.00
3.6.2	Central Call bell system	%	2656650.00	1.00	26566.50
3.6.3	Lightening conductors				
3.6.3.1	Upto 4 storeys Building	%	2656650.00	0.50	13283.25
3.6.4	Telephone Conduits	%	2656650.00	0.50	13283.25
3.6.7	Quality assurance	%	2656650.00	1.00	26566.50
	<b>Total (B)</b>				<b>757145.25</b>
	<b>EXTRA RICHER SPECIFICATIONS</b>				
<b>(C)</b>	<b>DSR ITEMS</b>				
	<b>Earth Work</b>				
2.25	Filling available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc. in layers not exceeding 20cm in depth: consolidating each deposited layer by ramming and watering, lead up to 50 m and lift up to 1.5 m.	cum	950.00	45.70	43415.00

SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	<b>Concrete work</b>				
4.1.8	1:4:8 (1 Cement : 4 coarse sand : 8 graded stone aggregate 40 mm nominal size)	cum	14.00	2449.00	34286.00
	<b>R.C.C</b>				
5.1.3	1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20 mm nominal size)	cum	14.00	3359.60	47034.40
5.3	Reinforced cement concrete work in beams, suspended floors, roofs having slope upto 15°, landings, balconies, shelves, chajjas, lintels, bands, plain window sills, staircases and spiral stair cases upto floor five level excluding the cost of centring, shuttering, finishing and reinforcement with 1:2:4 (1 Cement : 2 coarse sand : 4 graded stone aggregate 20mm nominal size)	cum	75.00	3673.85	275538.75
	<b>Form work</b>				
5.9	Centring and shuttering including strutting, propping etc. and removal of form for:removal of form for:				
5.9.3	Suspended floors, roofs, landings, balconies and access platform.	sqm	6.00	187.35	1124.10
5.9.6	Columns, Pillars, Piers, Abutments, Posts and Struts	sqm	387.00	238.40	92260.80
	<b>Steel Reinforcement</b>				
5.22 A	Reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete. Above plinth level.				
5.22 A.1	Mild steel and Medium Tensile steel bars	kilogram	3150.00	41.50	130725.00
	<b>Brick Work</b>				
6.4	Brick work with F.P.S. bricks of class designation 75 in superstructure above plinth level up to floor V level in all shapes and sizes in:				
6.4.1	Cement mortar 1:4 (1 cement : 4 coarse sand)	cum	511.00	2601.90	1329570.90
	<b>Finishing Work</b>				
13.1	12 mm cement plaster of mix:				
13.1.1	1 : 4 (1 Cement : 4 fine sand)	Sqm	1326.00	77.55	102831.30
	<b>Flooring</b>				
11.41.2	Vitrified Flooring (DSR ITEM CODE 11.41.2 (1031.85) - DSR ITEM CODE 11.10.1 (318.25) = 713.60	sqm	1168.00	713.60	833484.80
21.1.2.2	Aluminium Window (DSR ITEM CODE 21.1.2.2 (326.60)- DSR ITEM CODE 10.15 (92.25) = 234.35	L.S.			500000.00
	<b>TOTAL (C)</b>				<b>3390271.05</b>
	<b>Grand Total (A+B+C)</b>				<b>7061486.30</b>
(D)	<b>NDSR ITEMS</b>				
	<b>SPECIAL LIGHTING</b>	Rs.			2000000.00
	<b>TOTAL (D)</b>				<b>2000000.00</b>
	<b>Grand Total (A+B+C+D)</b>				<b>9061486.30</b>
5.0	Higher Specification For GRIHA RATING	%	9061486.30	5.00%	453074.32
6.0	Cost Escalation( 43% as per DSR Circulars)	%	7061486.30	43.00%	3036439.11
7.0	Quality assurance	%	9061486.30	1.00%	90614.86
8.0	Labour welfare cess	%	9061486.30	1.00%	90614.86
	<b>Total (E)</b>				<b>3670743.15</b>
	<b>GRAND TOTAL (A+B+C+D+E)</b>				<b>12732229.45</b>

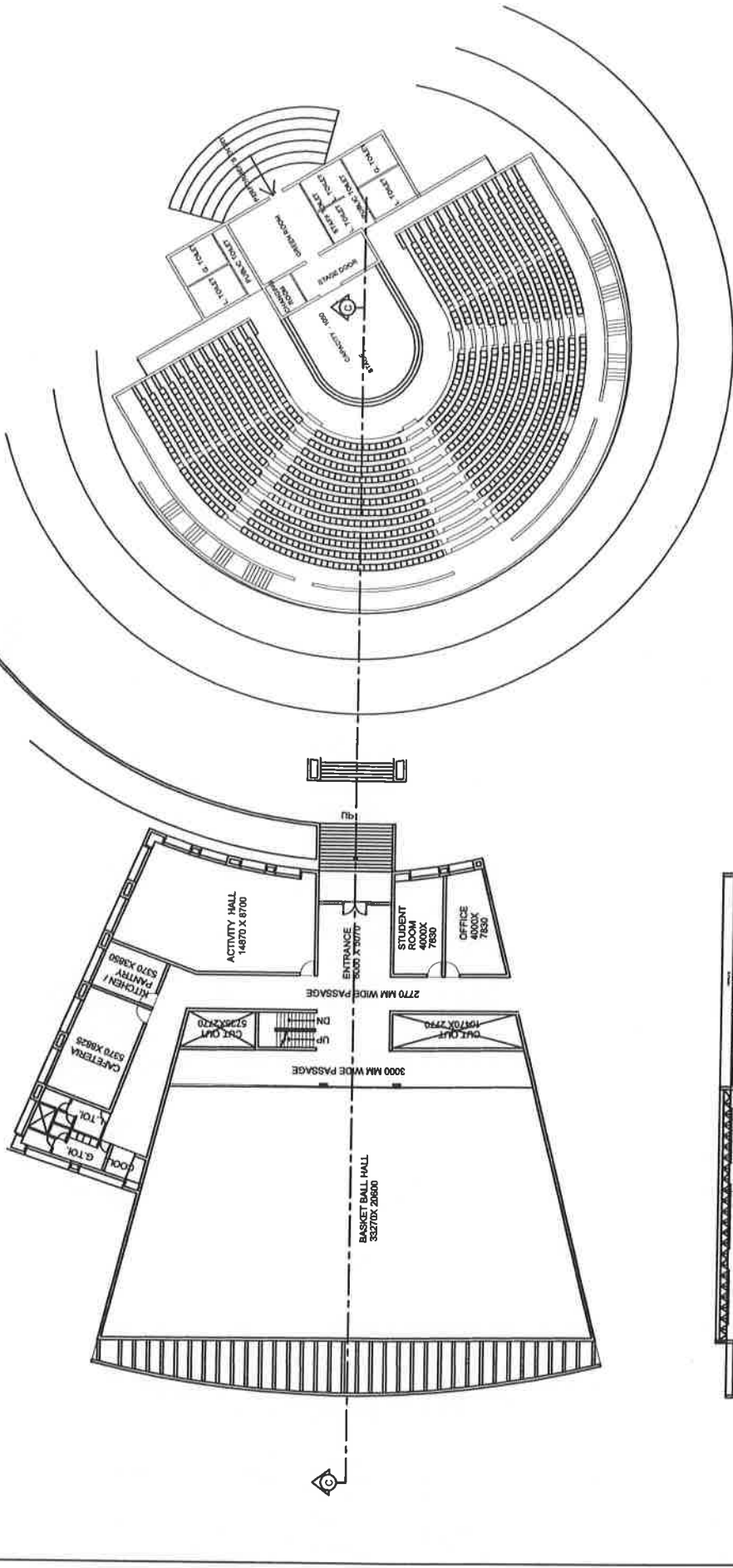
FOR ALL INFORMATION IN CONNECTION WITH THIS PROJECT, CONTACT THE ARCHITECT AT THE ADDRESS LISTED BELOW. THE ARCHITECT'S OFFICE IS NOT RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION CONTAINED HEREIN.

PROJECT	STUDENT ACTIVITY CENTER PHASE I
CLIENT	INDIAN INSTITUTE OF INFORMATION TECHNOLOGY AT JABALPUR
DATE	1.1.2003
SCALE	AS SHOWN
DESIGNER	SHARDA
NO.	

**DATTANAND DATTA ASSOCIATES**  
 ARCHITECTS, PLANNERS, INTERIORS & URBAN DESIGNERS  
 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000



THE DRAWING IS THE PROPERTY OF THE ARCHITECTS AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECTS. THE ARCHITECTS SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA PROVIDED AND FOR THE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE ARCHITECTS SHALL BE RESPONSIBLE FOR THE ACCURACY OF THE INFORMATION AND DATA PROVIDED AND FOR THE COMPLETION OF THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.



PLINTH AREA ESTIMATE PURPOSE

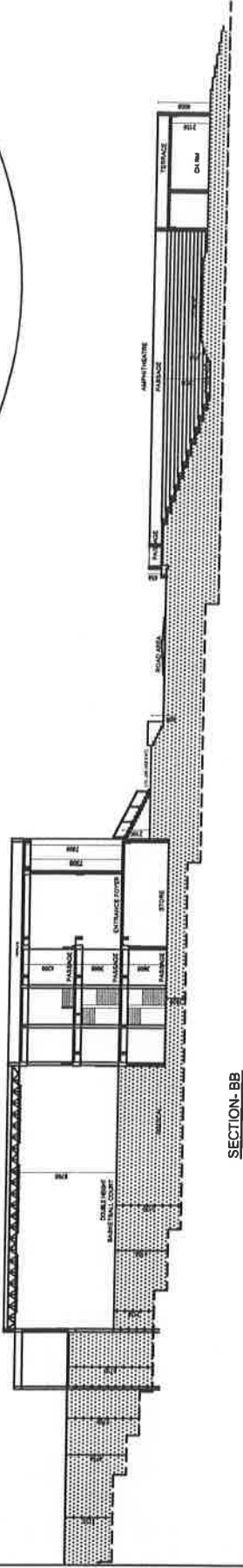
NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	PLINTH AREA ESTIMATE	SQ. M			
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SECTION FOR STUDENT ACTIVITY CENTRE PHASE - 1

PROJECT: PROPOSED CAMPUS FOR INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN & MANUFACTURING AT JABALPUR

DATE: 14-11-10  
 DRAWN: MANISH  
 CHECKED: [Signature]

DATTA AND DATTA ASSOCIATES  
 ARCHITECTS, ENGINEERS, INTERIORS PLANNERS & INTERIOR DESIGNERS  
 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200



SECTION-BB





**B&WC/2012: 1.06    To consider the Preliminary Estimate for the work of Construction of Technology Incubation Centre for PDPM-IIITDM, Jabalpur**

A rough cost estimate amounting to Rs. 1000 lacs (Rupees One thousand lacs only) has been framed considering the area requirement and prevailing per unit area cost. The Preliminary Estimate is under preparation by the consultant M/s. Architects Atelier, Chandigarh. The Preliminary Estimate as forwarded by M/s. Architects Atelier, Chandigarh shall be put on the table during the meeting it self.

**The B & WC is requested to consider the Preliminary Estimate for construction of Technology Incubation Centre for PDPM-IIITDM, Jabalpur for the actual amount of the estimate, and to request the Finance Committee to consider the same for onward recommendation to the Board of Governors for its administrative approval and expenditure sanction.**

**B&WC/2012: 1.07    To consider the Preliminary Estimate for the work of Construction of Multi Utility Centre for PDPM-IIITDM, Jabalpur**

A rough cost estimate amounting to Rs. 1200 lacs (Rupees One thousand two hundred lacs only) has been framed considering the area requirement and prevailing per unit area cost. The Preliminary Estimate is under preparation by the consultant M/s. Architects Atelier, Chandigarh. The Preliminary Estimate as forwarded by M/s. Architects Atelier, Chandigarh shall be put on the table during the meeting it self.

**The B & WC is requested to consider the Preliminary Estimate for construction of Multi Utility Centre for PDPM-IIITDM, Jabalpur for the actual amount of the estimate, and to request the Finance Committee to consider the same for onward recommendation to the Board of Governors for its administrative approval and expenditure sanction.**

**B&WC/2012: 1.08    To consider the Preliminary Estimate for the work of Construction of Girls Hostel-I for PDPM-IIITDM, Jabalpur**

A Preliminary Estimate has been submitted by the consultant M/s. Datta & Datta Associates, Ahemdabad for construction of Girls Hostel-I. In this estimate provisions have been made for 128 nos. single seated rooms and 56 nos. triple seated rooms. The estimate amounting to Rs 1741 lacs (Rs One thousand seven hundred and forty one lacs only) as forwarded by the architects which is based on CPWD Delhi Plinth area rates 2007 with approved cost enhancement i.e 43% at Jabalpur, 3% contingencies and 5% architect fee (service tax as applicable) has been placed as **Annexure B&WC/2012/1/A-4** (page P-42 to P-50).

The B & WC is requested to consider the Preliminary Estimate for construction of Girls Hostel-I at PDPM-IIITDM, Jabalpur for Rs 1741 lacs (Rs One thousand seven hundred and fourty one lacs only) and to request the Finance committee to consider the same for onward recommendation to the Board of Governors for its administrative approval and expenditure sanction.

**Name of Work:- Girls Hostel Phase I for PDPM IIIT D&M, Jabalpur(MP)**

This Preliminary Estimate Framed by Datta and Datta Associates, Ahmedabad of the probable cost of Rs. 17,41,00,000/- ( Rupees Seventeen crore Fourty One Lac only ) including 43% cost Index as per latest CPWD circular and 5% Architect fees.

**REPORT**

**History:-** This Preliminary estimate amounting to Rs17,41,00,000/- including 43% cost Index, 3% Contingencies and 5% Architect fees has been framed to meet the probable cost of the above work and for accord of Administrative Approval & Expenditure Sanction from the competent authority.

The requisition for the work has been communicated by the institute vide letter no. IIITDMJ/B&W/11/12/07 dated 08.12.2011.

**Design & Scope :-** The preliminary cum detailed estimate has been framed based on the following architectural drawings, developed by Architects Datta and Datta Associates on behalf of PDPM IIIT D&M, Jabalpur (MP).

Sr.No.	Drg. No.	Description
1	IIITDMJ/GH/PE-1	Location Plan
2	IIITDMJ/GH/PE-2	Girls Hostel Layout Plan
3	IIITDMJ/GH/PE-3	Girls Hostel I Ground Floor Plan

The estimate provides for construction of Girls Hostel in G+3F Construction. The buildings shall be RCC framed structure. Load bearing capacity of soil formation is assumed at 180 Kn/m<sup>2</sup>, yet to be determined.

The estimate for Girls Hostel has been framed keeping in view the provision of specification and construction material shown in the drawings. Proposed specifications to be followed in construction are attached below.

The estimate does not include following provisions, as separate estimate is understood to be sanctioned.

1. Provision of rain water harvesting
2. Metalled road
3. Street lighting
4. Compound wall and fencing
5. External water supply system
6. Sewerage system
7. Drainage system

The cost projected in this estimate is liable to revision due to probable escalation in cost of construction apart from other reasons such as change in scope, area, design, specification etc, if, and as desired by the client department at a later date.

**SPECIFICATION:** The work shall be carried out as per CPWD specification 2007 Vol I to II.

**RATE :-** As per PAR 2007 with upto date correction slips duly enhanced by approved cost index of 143 for Jabalpur as on 01.01.12.

**Cost :-** Rs. 17,41,00,000/- including 43% cost Index, 5% Architect fees & 3 % contingencies.

W.C. Estt.:- Shall be met out of contingencies, if required.

LAND:- Available with client.

T & P:- No special T&P will be required.

METHOD:- By contract after call of tenders.

TIME:- 15 Months

**BRIEF DESCRIPTION OF SPECIFICATIONS**

<b>SR. NO.</b>	<b>ITEM</b>	<b>SPECIFICATION</b>
1.	<b>Foundation</b>	RCC Isolated/combined footings for Columns. Bearing capacity of soil 18 T/Sqm at 1.5m below ground level.
2.	<b>Superstructure</b>	RCC frame structure, with bricks infill walls
3.	<b>Shutters</b>	
	a) Window	Openable Aluminium window
	b) Door	Flush door with Wooden frame
	c) W.C./ Bathroom	Solid PVC shutters
4.	<b>Fittings</b>	Powder coated aluminium fittings
5.	<b>Flooring</b>	
	a) In Rooms	Vitrified Tile Flooring
	b) Common Circulation Area/ Staircase	Kota Stone/ Green marble flooring with matching skirting
	c) Toilets	Anti skid ceramic tile flooring and dado work
6.	<b>Finishing</b>	
	a) External	Acrylic smooth Exterior paint
	b) Internal	All walls and ceilings to be treated with 2mm thick POP putty followed by a coat of plastic emulsion paint except bath, WC and ceilings, which will be white washed. Synthetic enamel paint on all wood work and steel work
7.	<b>Roofing</b>	Integrated cement based water proofing treatment over terrace slab
8.	<b>Others</b>	Provision of Solar water heater, modular switches and energy saving fixtures

**PROJECT: PROPOSED GIRLS HOSTEL PHASE I FOR IIITDM, JABALPUR**

**CLIENT: INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN AND MANUFACTURING (IIITDM), JABALPUR**

**ARCHITECTS : DATTA AND DATTA ASSOCIATES, 101, SNEH SHILP, 66 SWASTIK SOCIETY, NAVRANGPURA,  
AHMEDABAD- 380 009**

**Preliminary Estimate Based on CPWD Plinth Area Rates 2007**

**ABSTRACT OF COSTS FOR GIRLS HOSTEL PHASE I FOR IIITDM, JABALPUR**

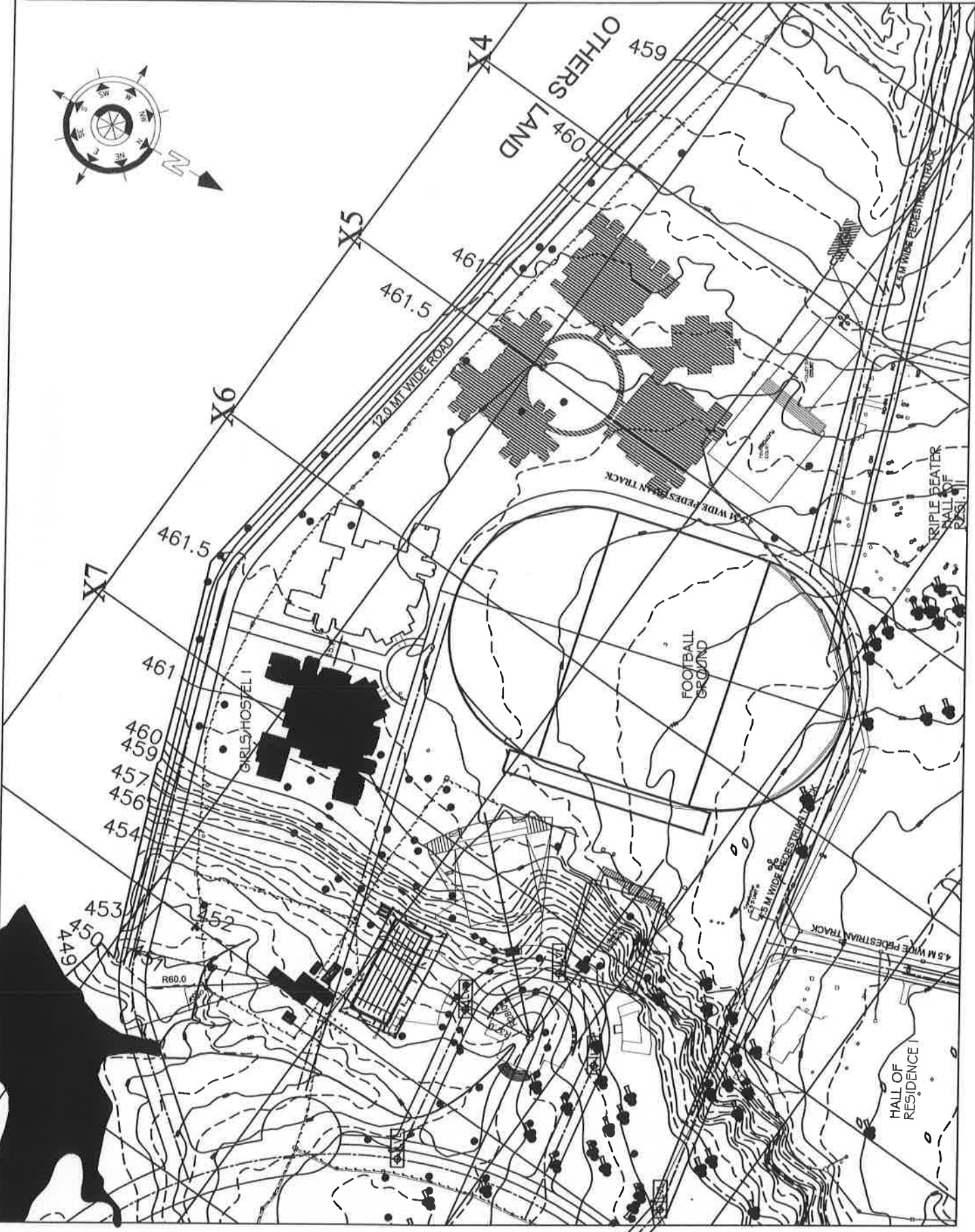
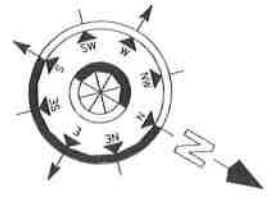
SR.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
<b>1.0</b>	<b>R.C.C. FRAMED STRUCTURE</b>				
1.1	R.C.C.framed structure up to six storeys				
1.1.2	Floor height 2.90 Mt.	Smt	6,968.00	9100.00	63408800.00
<b>1.2</b>	<b>Extras for</b>				
1.2.3	Every 0.30 mt additional height of floor above normal floor height of 3.35 mt./2.90 mt.	Smt	6,968.00	150.00	1045200.00
1.2.4	Every 0.30 mt higher plinth over normal plinth height of 0.60 mt (1.20 mt ht.)	Smt	1,742.00	150.00	261300.00
1.2.5	every 0.30 mt deeper foundations over normal depth of 1.20 mt(1.80 mt depth)	Smt	3,484.00	150.00	522600.00
1.2.8	Resisting earthquake forces	Smt	6,968.00	630.00	4389840.00
1.2.11	Stronger structural members to take heavy load above 500 Kgs./sqm. Up to 1000 Kgs./sqm. (for water tank slab)	Smt	100.00	850.00	85000.00
1.2.12	Larger modules over 35 sqm.	Smt	864.00	990.00	855360.00
<b>1.4</b>	<b>FIRE FIGHTING</b>				
1.4.2	With wet riser system	Smt	6,968.00	300.00	2090400.00
	<b>Total (A)</b>				<b>72658500.00</b>
<b>3.0</b>	<b>SERVICES</b>				
	<b>SANITARY AND PLUMBING</b>				
3.1	Internal water supply and sanitary installations	%	72,658,500.00	10.00	7265850.00
3.2	External service connections	%	72,658,500.00	5.00	3632925.00
3.3	Internal Electric Installation	%	72,658,500.00	12.50	9082312.50
<b>3.6</b>	<b>Extra for</b>				
3.6.3	Lightening conductors				
3.6.3.1	Upto 4 storeys Building	%	72,658,500.00	0.50	363292.50
3.6.4	Telephone Conduits	%	72,658,500.00	0.50	363292.50
3.6.6	Computer Conduiting	%	72,658,500.00	0.50	363292.50

SR.	DESCRIPTION	UNIT	QUANTITY	RATE	AMOUNT
3.6.7	Quality assurance	%	72,658,500.00	1.00	726585.00
	<b>Total (B)</b>				<b>21797550.00</b>
<b>5.0</b>	<b>WATER TANK (RCC ONLY)</b>				
5.1	R.C.C. Over head water tank without independent staging	Lit	40,500.00	9.00	364500.00
5.5	Under ground sump	Lit	40,500.00	9.00	364500.00
	300 students x 135 litre =40500 litre				
	<b>Total (C)</b>				<b>729000.00</b>
<b>6.0</b>	<b>DEVELOPMENT OF SITE</b>				
6.1	Levelling (Plot area 10000 Sqmt)	Sqm	10,000.00	55.00	550000.00
	<b>Total (D)</b>				<b>550000.00</b>
<b>7.0</b>	<b>EXTRA RICHER SPECIFICATION</b>				
	<b>DSR ITEMS</b>				
	Additional for Kota Stone Flooring (DSR ITEM CODE 11.26.1(694.40) - DSR ITEM CODE 11.10.1(318.25) = 376.15)	Sqm	5,968.00	376.15	2244863.20
	Additional for Vitrified Flooring (DSR ITEM CODE 11.41.2(1031.85) - DSR ITEM CODE 11.10.1(318.25) = 713.60	Sqm	1,000.00	713.60	713600.00
	Additional For Alluminium Window (DSR ITEM CODE 21.1.2.2(318.25) - DSR ITEM CODE 10.15(92.25) = 226.00	kg	25,000.00	226.00	5650000.00
	<b>Total (E)</b>				<b>8608463.20</b>
	<b>GRAND TOTAL (A+B+C+D+E)</b>				<b>104343513.20</b>
	<b>NDSR ITEMS</b>				
	Additional for Solar Water Heater	L.S			2500000.00
	Additional For Energy Saving Fixture & Modular Switching	%	63,408,800.00	1.50	951132.00
	<b>Total (F)</b>				<b>3451132.00</b>
	<b>GRAND TOTAL (A+B+C+D+E+F)</b>				<b>107794645.20</b>
8.0	Higher Specification For GRIHA Rating	%	107794645.20	5.00%	5389732.26
9.0	Cost Escalation (43% as per CPWD Circulars)	%	104343513.20	43.00%	44867710.68
10.0	Quality assurance	%	107794645.20	1.00%	1077946.45
11.0	Labour welfare cess	%	107794645.20	1.00%	1077946.45
	<b>Total (G)</b>				<b>52413335.84</b>
	<b>GRAND TOTAL (A+B+C+D+E+F+G)</b>				<b>160207981.04</b>

THE DRAWING IS THE PROPERTY OF THE ARCHITECTS, ENGINEERS AND SURVEYORS AND MUST BE KEPT IN CONFIDENCE AND NOT TO BE LOANED, REPRODUCED, COPIED, OR OTHERWISE USED IN ANY MANNER WITHOUT THE WRITTEN PERMISSION OF THE ARCHITECTS, ENGINEERS AND SURVEYORS.

NOTES:

- 1) ALL DIMENSIONS ARE IN METERS.
- 2) ALL DIMENSIONS ARE TO THE CENTER LINE OF THE ROAD.
- 3) ALL DIMENSIONS ARE TO THE CENTER LINE OF THE ROAD.
- 4) ALL DIMENSIONS ARE TO THE CENTER LINE OF THE ROAD.



REVISION	DATE	PARTICULARS	CHD
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TITLE: LOCATION PLAN  
GIRLS HOSTEL

PROJECT: PROPOSED CAMPUS FOR INDIAN INSTITUTE OF INFORMATION TECHNOLOGY DESIGN & MANUFACTURING AT JABALPUR

SCALE: 1:500  
DATE: 14-11-10  
JOB: BUREAU  
DESIGNER:  
CHECKER:  
DRAWN:  
REVISED:  
DATE: NORTH

DATE: 14-11-10  
JOB: BUREAU  
DESIGNER:  
CHECKER:  
DRAWN:  
REVISED:  
DATE: NORTH

DATTA AND DATTA ASSOCIATES  
ARCHITECTS, ENGINEERS, TOWN PLANNERS & SURVEYORS

OFFICE: 101, MARKET, JABALPUR - 481003  
PHONE: 9302414111, 9302414112, 9302414113, 9302414114, 9302414115  
E-MAIL: dattaanddatta@yahoo.com, dattaanddatta@gmail.com









**B&WC/2012: 1.09 To consider the Preliminary Estimate for the work of Construction of Rewa Residency-2A for PDPM-IIITDM, Jabalpur**

A rough cost estimate amounting to Rs. 1800 lacs (Rupees One thousand eight hundred lacs only) has been framed considering the area requirement and prevailing per unit area cost. The Preliminary Estimate is under preparation by the consultant M/s Kanvinde Rai & Chowdhury, New Delhi. The Preliminary Estimate as forwarded by M/s Kanvinde Rai & Chowdhury, New Delhi, shall be put on the table during the meeting it self.

**The B & WC is requested to consider the Preliminary Estimate for construction of Rewa Residency-2A for PDPM-IIITDM, Jabalpur for the actual amount of the estimate, and to request the Finance Committee to consider the same for onward recommendation to the Board of Governors for its administrative approval and expenditure sanction.**

**B&WC/2012: 1.10 To consider the Preliminary Estimate for the work of Construction of Primary Health Centre at PDPM-IIITDM, Jabalpur**

A preliminary estimate has been submitted by the Architects, M/s. Datta & Datta Associates, Ahemdabad for construction of Primary Health Centre at PDPM-IIITDM. The estimate amounting to Rs 537 lacs ( Rs Five hundred thirty seven lacs only) as forwarded by the architects which is based on CPWD Delhi Plinth area rates 2007 with approved cost enhancement i.e 43% at Jabalpur, 3% contingencies and 5% architect fee (service tax as applicable) has been placed as **Annexure B&WC/2012/1/A-5** (page P-52 to P-58).

**The B & WC is requested to consider the Preliminary Estimate for construction of Health Centre at PDPM-IIITDM, Jabalpur for Rs 537 lacs ( Rs Five hundred thirty seven lacs only) and to request the Finance committee to consider the same for onward recommendation to the Board of Governors for its administrative approval and expenditure sanction.**

**B&WC/2012: 1.11 Any other Item with the Permission of the Chair**

**(R. P. Dwivedi)  
Officer-In-Charge Estate  
Deputy Registrar (F&A)  
Secretary B&WC**

**NAME OF WORK : REWA RESIDENCY II ( A & B BLOCK ), IIIT DM JABALPUR  
BREAK UP OF COMPONENT WISE COST**

S.No.	Description	Amount
1	Framed Structure including services (A + B + E)	88613035
2	Enhancement over DPAR 43%	38103605
3	Energy efficiency (C)	621000
4	Extra for additional specifications (D)	7330096
	<b>Total Y</b>	<b>134667736</b>
5	Add 1% Tax Labour Cess on 'X'	965641
6	Add 1% Tax quality assurance on 'X'	965641
7	Add Architect fee @ 5.515% on 'Y'	7426926
	<b>Grand Total</b>	<b>144025944</b>
		<b>Say 1440 lacs</b>

*(Handwritten signature)*



**NAME OF WORK : REWA RESIDENCY II ( A & B BLOCK ), IIIT DM JABALPUR**

**Preliminary Estimate based on CPWD Plinth Area Rates 2007 & MR.**

**I : Civil Work (Based on CPWD Plinth Area Rates 2007 with C.I. = 143 & MR)**

S. NO.	Code	Description	Unit	Qty.	Rate	Amount
	<b>1</b>	<b>RCC Framed Structure :</b>				
	1.1	RCC framed structure upto six storeys				
1	1.1.2	Floor height 2.90 m	Sqm	6550	9000	58950000
	1.2	<b>Extra for :</b>				
2	1.2.3	For 0.20m additional height of floor above 2.90 m	Sqm	6170	100	617000
	1.2.4	For 3.3 m additional height of floor above 2.90 m	Sqm	380	1650	627000
3	1.2.5	For 0.30 m deeper foundation over normal depth of 1.2 m (for ground floor area only)	Sqm	1654	150	248100
4	1.2.8	Resisting Earthquake forces	Sqm	6550	630	4126500
	<b>5</b>	<b>Water Tank ( RCC only )</b>				
5	5.1	Overhead tank without independent staging	Litre	48600	9	437400
	1.4	<b>Fire Fighting</b>				
6	1.4.1	With wet riser system	Sqm	6550	300	1965000
	1.5	<b>Fire Alarm System</b>				
7	1.5.2	Manual Fire Alarm System	Sqm	6550	155	1015250
		<b>Total A</b>				<b>Rs. 67986250</b>
		<b>Building Cost (sl. No.1)</b>				<b>Rs. 58950000</b>
	<b>3</b>	<b>Services :</b>				
8	3.1	Internal water supply and sanitary installation		58950000	12%	7074000
9	3.4	Internal electric installations		58950000	12.5%	7368750
	3.6	<b>Extra for :</b>				
10	3.6.3.1	Lightning conductor (5-8 storeys)		58950000	0.33%	194535
11	3.6.4	Telephone conduits		58950000	0.5%	294750
12	3.6.6	Computer conduiting		58950000	0.5%	294750
		<b>Total B</b>				<b>Rs. 15226785</b>

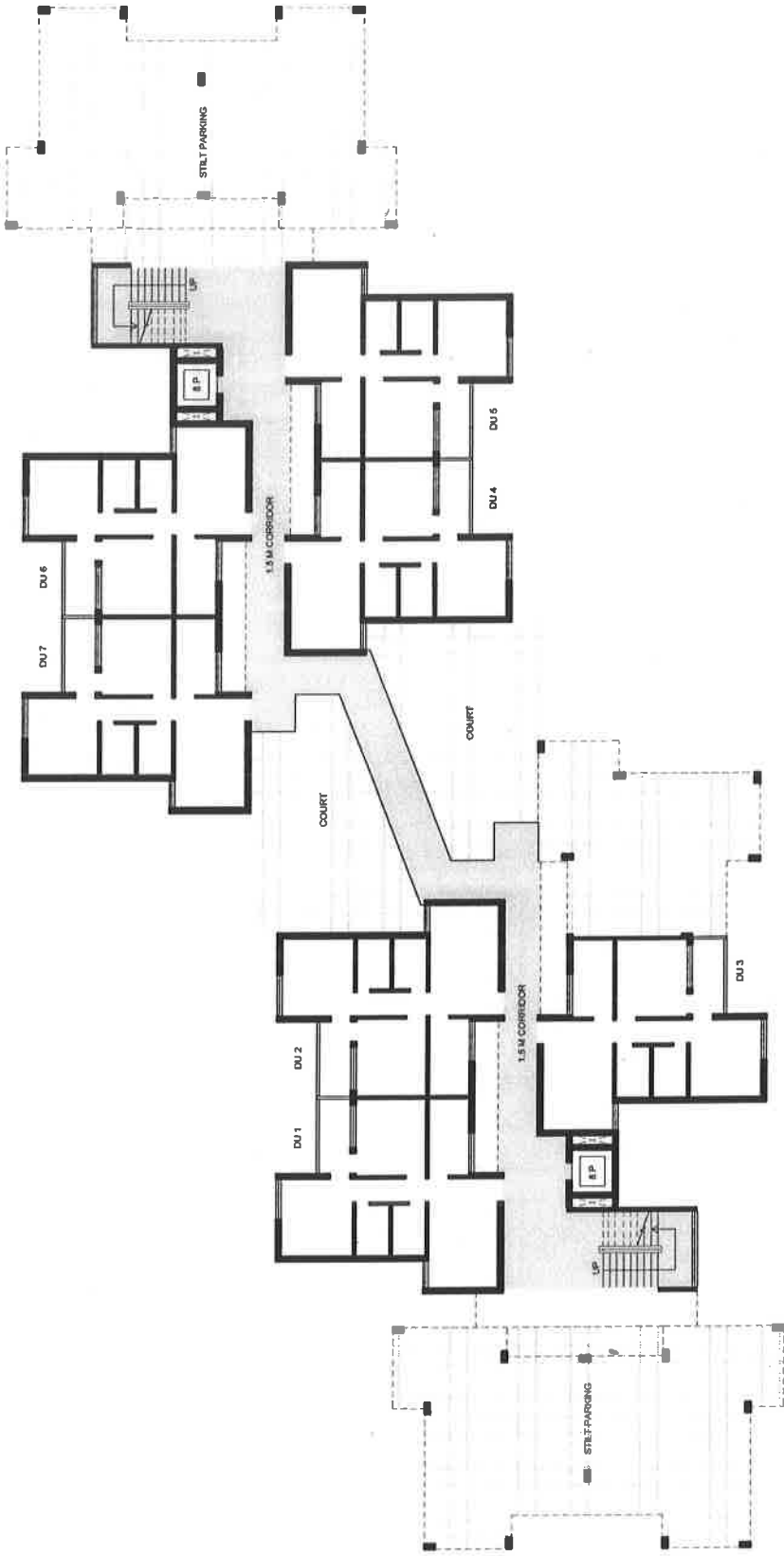
*Samir*



Energy Efficient Features						
13	MR	Extra for china mosaic on roof	Sqm.	1800	345	621000
<b>Total C</b>					<b>Rs.</b>	<b>621000</b>
<b>Extra for additional specifications</b>						
14	DSR 11.26.1 & 11.10.1	Extra for Kotah stone in balcony/ rooms etc Rate (694.4 - 318.25) +43% enhancement	DSR Sqm.	3000	537.89	1613684
15	DSR 11.41.2 & 11.10.1	Extra for vitrified tile flooring DSR Rate (1031.85 - 318.25) +43% enhancement	Sqm.	425	1020.45	433690
16	DSR 8.2.1.2 & 11.26.1	Extra for Udaipur green marble in kitchen & toilet counter DSR Rate (1358.15 - 694.4) +43% enhancement	Sqm.	225	949.16	213562
17	Analysis based on DSR	Extra for Aluminium Door frames	Sqm.	925	1135.87	1050680
18	DSR 21.1.2.1 & 10.15	Extra for using aluminium windows DSR Rate (310.45 - 92.25) +43% enhancement	Kg	7200	312.03	2246587
19	DSR 11.26.1	Extra for Kotah stone in parapet top etc. DSR Rate (694.4) +43% enhancement	Sqm.	215	992.99	213493
20	DSR 11.23.5	Extra for Udaipur green marble in window sill etc. DSR Rate (1112.55) +43% enhancement	Sqm.	180	1590.95	286370
21	DSR 8.6	Mirror polish on stone work DSR Rate (94.2) +43% enhancement	Sqm.	5000	134.71	673530
22	MR	Extra for pergola	Sqm.	250	2394	598500
<b>Total D</b>					<b>Rs.</b>	<b>7330096</b>
23	4 4.1.1	<b>Passenger Lift</b> Passenger Lift ( G+4 ) for 8 persons		4	1350000	5400000
<b>Total E</b>					<b>Rs.</b>	<b>5400000</b>
<b>Total A+B+C+D+E = X</b>						<b>96564131</b>

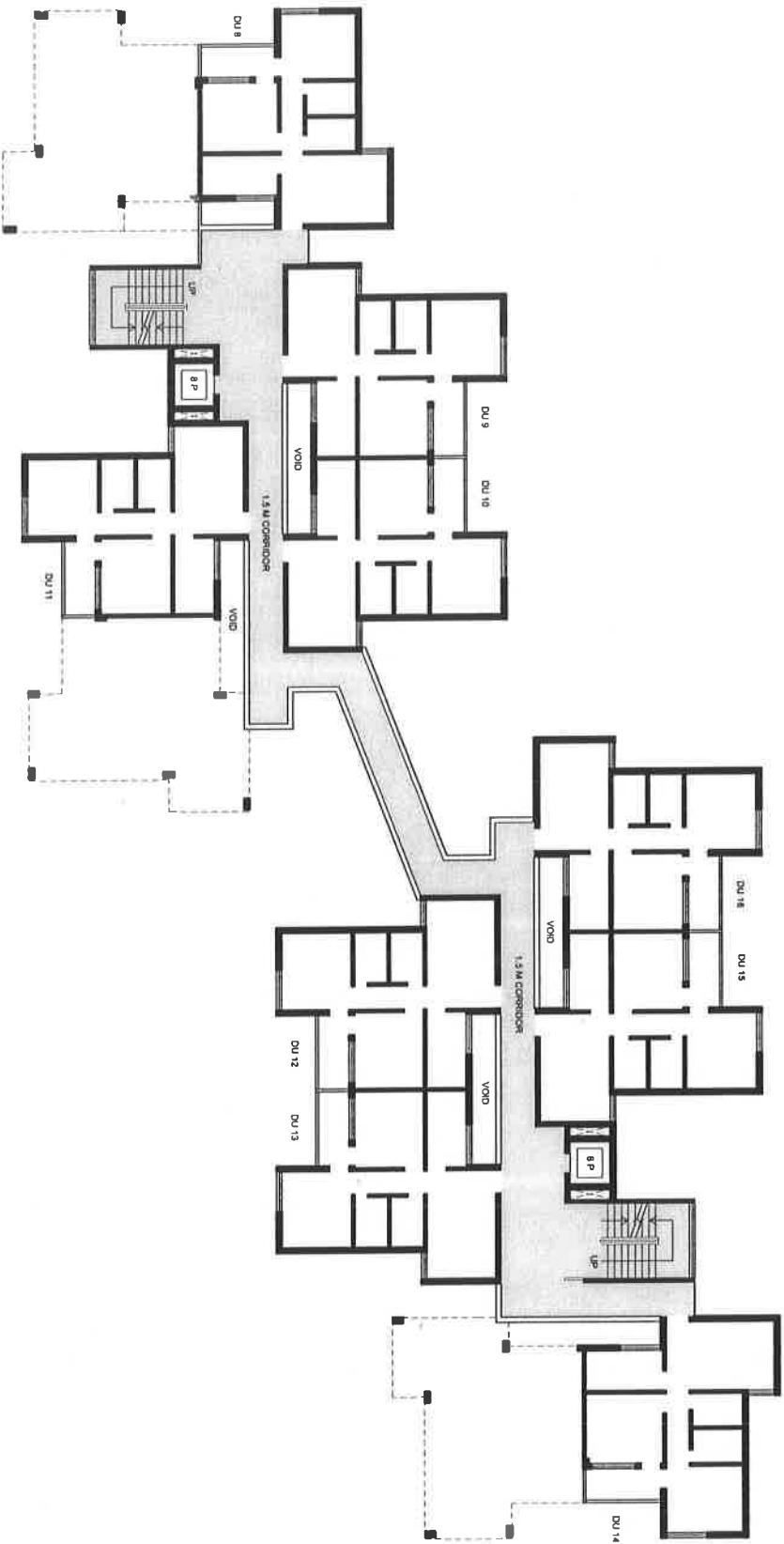
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GROUND FLOOR PLAN  
827 SQ. M.

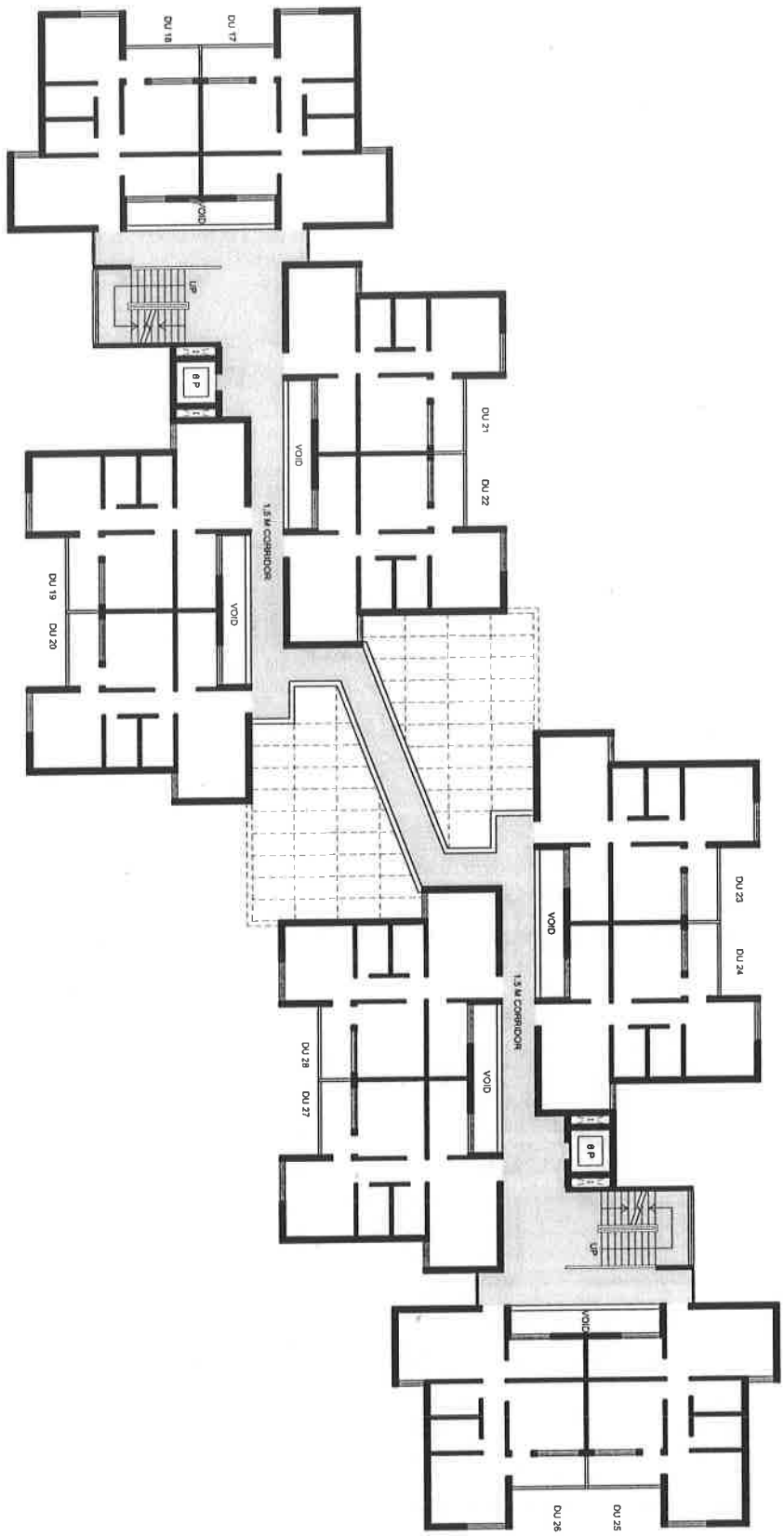
project <b>PGPM IIIT DM JABALPUR</b>	drawing title <b>REWA RESIDENCY II GROUND FLOOR PLAN</b>	job no. 573/JABALPUR	date JAN '12	dwg. no. RA-101	scale 1:300	dealt by ANUBHAV	kanvinde rai & chowdhury architects & planners, new delhi
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FIRST FLOOR PLAN  
802 SQ. M.

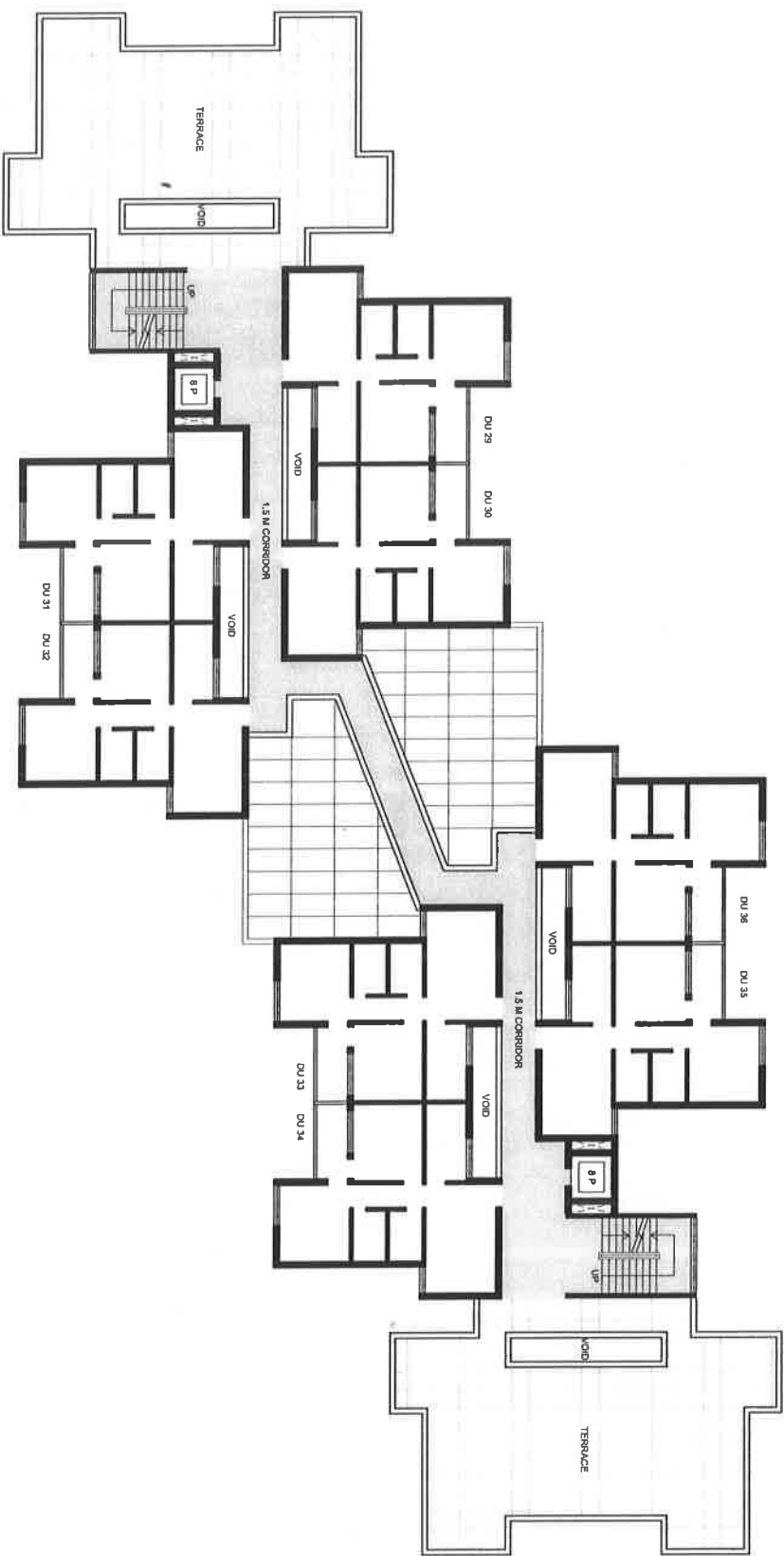
Project	PGPM IIIT DM JABALPUR
Drawing title	REWA RESIDENCY II FIRST FLOOR PLAN
Job no.	573/JABALPUR
Date	JAN '12
Dwg. no.	RA-102
Scale	1:300
Drawn by	ANUBHAV
Architects & planners,	kanvinde rai & chowdhury new delhi





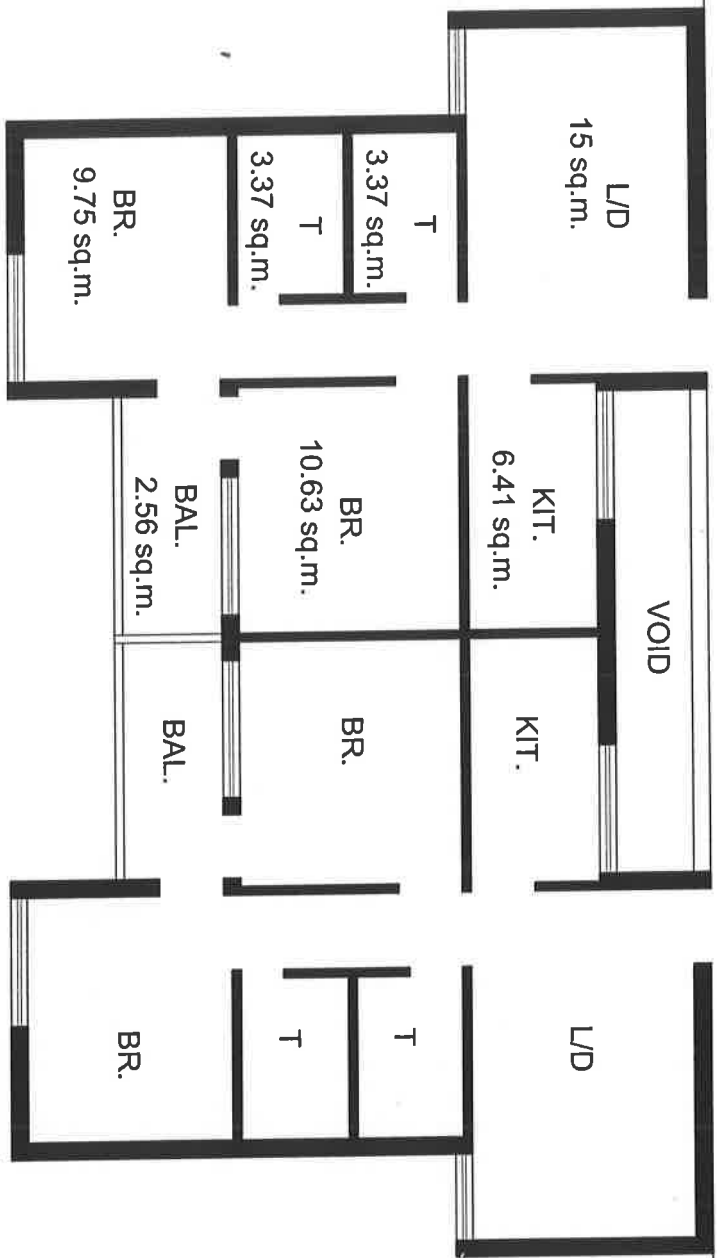
SECOND FLOOR PLAN  
997 SQ. M.

Project	PGPM IIIT DM JABALPUR
drawing title	REWA RESIDENCY II SECOND FLOOR PLAN
job no.	573/JABALPUR
date	JAN '12
dwg. no.	RA-103
scale	1:300
dealt by	ANUBHAV
	kanvirde rai & chowdhury architects & planners, new delhi



THIRD FLOOR PLAN  
697 SQ. M.

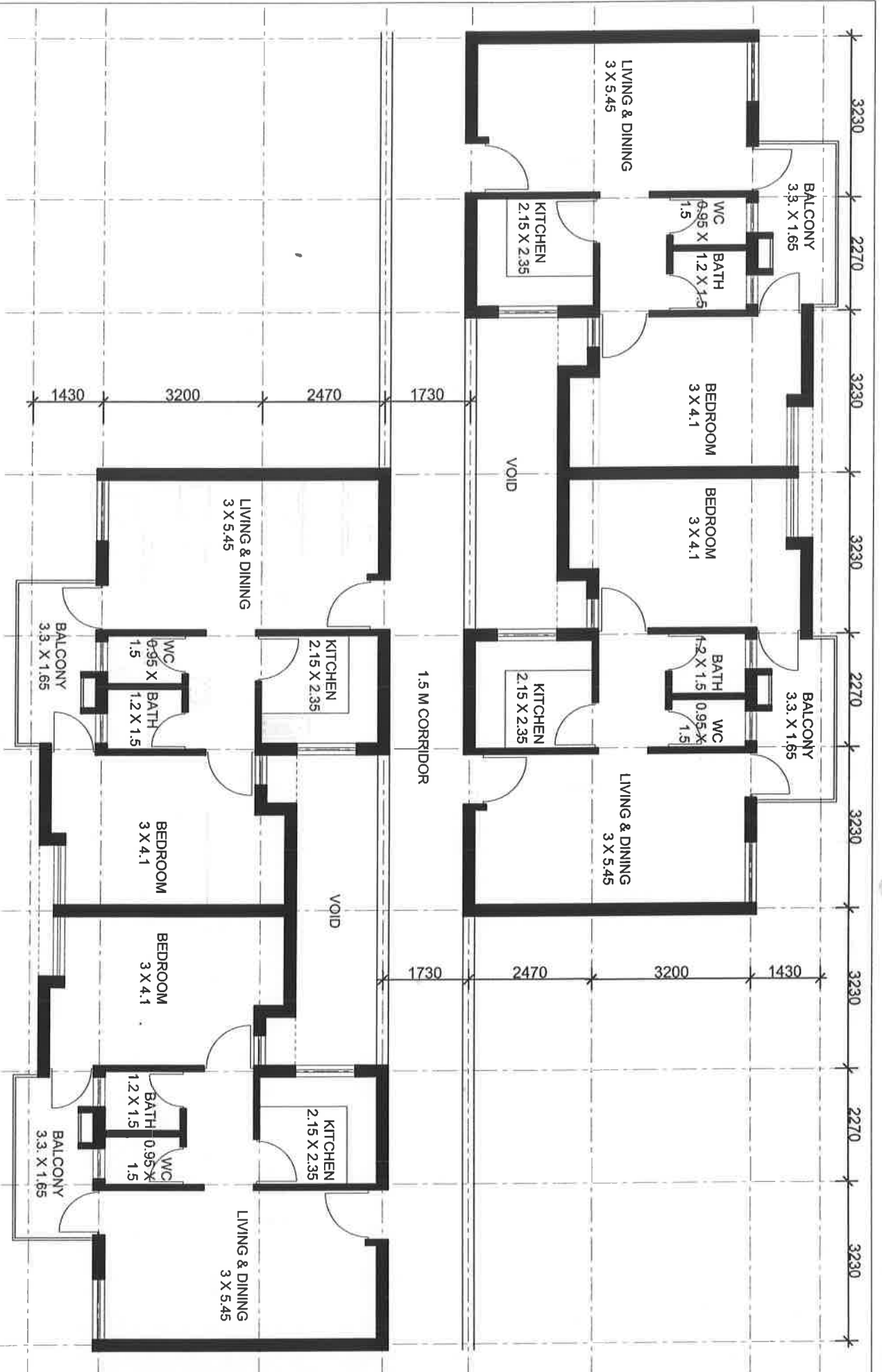
Project	drawing title	job no.	date	dwg. no.	scale	dealt by	kanvinde rai & chowdhury architects & planners, new delhi
PGPM IIT DM JABALPUR	REWA RESIDENCY II THIRD FLOOR PLAN	573/JABALPUR	JAN '12	RA-104	1:300	ANUBHAV	



1.5M WIDE CORRIDOR

UNIT AREA 66.00 sq. m.

project	PGPM IIIT DM JABALPUR	drawing title	REWA RESIDENCY II DWELLING UNIT DETAIL	job no.	573/JABALPUR	date	JAN '12	dwg. no.	RA-105	scale	1:100	dealt by	ANUBHAV	kanvinde rai & chowdhury architects & planners, new delhi
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project <b>PGPM IIT DM JABALPUR</b>	drawing title <b>REWA RESIDENCY II DWELLING UNIT DETAIL</b>	job no. 573/JABALPUR	date JAN '12	dwg. no. RA-105	scale 1:100	dealt by ANUBHAV	kanvinde rai & chowdhury architects & planners, new delhi
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Job no.	573/JABALPUR	date	DEC '11	dwg. no.	RA-100	scale	1:2000	dealt by	ANUBHAV	architects & planners,	kanvinde rai & chowdhury	new delhi
<b>P&amp;M IIT DM JABALPUR</b> <b>SITE PLAN</b> <b>REWA RESIDENCY II</b>												



**Name of Work:- Health Center for PDPM IIIT D&M, Jabalpur(MP)**

This Preliminary Estimate Framed by Datta and Datta Associates, Ahmedabad of the probable cost of Rs. 5,37,00,000/- ( Rupees Five crore Thirty Seven Lac only ) including 43% cost Index as per latest CPWD circular and 5% Architect fees.

**REPORT**

**History:-** This Preliminary estimate amounting to Rs. 5,37,00,000/- including 43% cost Index, 3% Contingencies and 5% Architect fees has been framed to meet the probable cost of the above work and for accord of Administrative Approval & Expenditure Sanction from the competent authority.

The requisition for the work has been communicated by the institute vide letter no. IIITDMJ/B&W/11/12/07 dated 08.12.2011.

**Design & Scope :-** The preliminary cum detailed estimate has been framed based on the following architectural drawings, developed by Architects Datta and Datta Associates on behalf of PDPM IIIT D&M, Jabalpur (MP).

Sr.No.	Drg. No.	Description
1	IIITDMJ/HC/PE-1	Ground Floor Plan
2.	IIITDMJ/HC/PE-2	First Floor Plan
3.	IIITDMJ/HC/PE-3	Elevations and Section

The estimate provides for construction of Health Center in G+1F Construction. The buildings shall be RCC framed structure. Load bearing capacity of soil formation is assumed at 180 Kn/m<sup>2</sup>, yet to be determined.

The estimate for Health Center has been framed keeping in view the provision of specification and construction material shown in the drawings. Proposed specifications to be followed in construction are attached below.

The estimate does not include following provisions, as separate estimate is understood to be sanctioned.

1. Provision of rain water harvesting
2. Metalled road
3. Street lighting
4. Compound wall and fencing
5. External water supply system
6. Sewerage system
7. Drainage system

The cost projected in this estimate is liable to revision due to probable escalation in cost of construction apart from other reasons such as change in scope, area, design, specification etc, if, and as desired by the client department at a later date.

**SPECIFICATION:** The work shall be carried out as per CPWD specification 2007 Vol I to II.

**RATE :-** As per PAR 2007 with upto date correction slips duly enhanced by approved cost index of 143 for Jabalpur as on 01.01.12.

**Cost :-** Rs. 5,37,00,000/- including 43% cost Index, 5% Architect fees & 3 % contingencies.

W.C. Estt.:- Shall be met out of contingencies, if required.  
 LAND:- Available with client.  
 T & P:- No special T&P will be required.  
 METHOD:- By contract after call of tenders.  
 TIME:- 10 Months

**BRIEF DESCRIPTION OF SPECIFICATIONS**

SR. NO.	ITEM	SPECIFICATION
1.	Foundation	RCC Isolated/combined footings for Columns. Bearing capacity of soil 18 T/Sqm at 1.5m below ground level.
2.	Superstructure	RCC frame structure, with bricks infill walls
3.	Shutters	
	a) Window	Openable Aluminium window
	b) Door	Flush door with Wooden frame
	c) W.C./ Bathroom	Solid PVC shutters
4.	Fittings	Powder coated aluminium fittings
5.	Flooring	
	a) In Treatment Rooms (OT etc.)	Vinyl Flooring
	b) Other Rooms	Vitrified Tile Flooring
	c) Common Circulation Area/ Staircase	Kota Stone/ Green marble flooring with matching skirting
	d) Toilets	Anti skid ceramic tile flooring and dado work
6.	Finishing	
	a) External	Acrylic smooth Exterior paint
	b) Internal	All walls and ceilings to be treated with 2mm thick POP putty followed by a coat of plastic emulsion paint except bath, WC and ceilings, which will be white washed. Synthetic enamel paint on all wood work and steel work
7.	Roofing	Integrated cement based water proofing treatment over terrace slab
8.	Others	Provision of Solar water heater, modular switches and energy saving fixtures

Client: PDPM Indian Institute of Information Technology Design and Manufacturing, Dumna Air Port Road, P.O.

Khamariya, Jabalpur-482005

Architect: Datta and Datta Associates, 101, Sneh Shilp, 66, Swastik Society, B/h St. Xavier's Ladies Hostel, Navrangpura, Ahmedabad.

Project: Proposed Health Center Building

**PLINTH AREA ESTIMATE FOR PROPOSED HEALTH CENTER BUILDING**

SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	2	3	4	5	6
<b>1</b>	<b>R.C.C. FRAMED STRUCTURE (G .F to S.F.)</b>				
1.1	R.C.C. frames structure upto six storeys				
1.1.1	Floor height 3.35 mt.	SQ.MT.	1532.43	13200.00	20228076.00
<b>1.2</b>	<b>EXTRAS FOR</b>				
1.2.3	Every 0.30 mt additional height of floor above normal floor height of 3.35 mt./2.90 mt. (Proposed Hight of floor 3.65 Mts)				
	Ground Floor.	SQ.MT.	736.00	150.00	110400.00
	First Floor	SQ.MT.	797.00	150.00	119550.00
1.2.4	Every 0.30 mt higher plinth over normal plinth height of 0.60 mt (Proposed Plinth height 0.90 mt ht.)	SQ.MT.	736.00	150.00	110400.00
1.2.5	Every 0.30 mt. deeper foundations over normal depth of 1.20 mtr (on G.F. area only) = 1.5 mtr = 1.50-1.2 = 0.3 X 2	SQ.MT.	1472.00	150.00	220800.00
1.2.6	Making stronger foundations to take load of one additional floor at a later date (on area of additional floor only )	SQM	797.00	1250.00	996250.00
1.2.8	Resisting Earthquake forces	SQ.MT.	1532.43	630.00	965430.90
1.2.11	Stronger structural members to take heavy load above 500 Kgs./Sqm. Upto 1000 Kgs./Sqm.	SQ.MT.	50.00	850.00	42500.00
1.2.12	Larger modules over 35 sqm.				
	Ground Floor	SQ.MT.	736.00	990.00	728640.00
	First Floor	SQ.MT.	797.00	990.00	789030.00
<b>1.4</b>	<b>FIRE FIGHTING</b>				
1.4.2	With wet riser system	SQ.MT.	1532.43	300.00	459729.00
<b>1.5</b>	<b>FIRE ALARM SYSTEM</b>				
b)	Automatic Fire Alarm System	SQ.MT.	1532.43	300.00	459729.00
	<b>TOTAL (A)</b>				<b>25230534.90</b>
<b>3.0</b>	<b>SERVICES. (1.1.1. + 1.2.3 + 1.2.4 + 1.2.5)</b>				
3.1	Internal water supply & sanitary installations	%	20789226.00	4%	831569.04
3.2	External service connections	%	20789226.00	5%	1039461.30
3.3	Internal electric installations	%	20789226.00	12.50%	2598653.25
<b>3.6</b>	<b>Extra for :</b>				
3.6.1	Power Wiring and Plugs	%	20789226.00	0.4%	83156.90
3.6.4	Telephone conduits	%	20789226.00	0.5%	103946.13
3.6.6	Computer conduiting	%	20789226.00	0.5%	103946.13
	<b>TOTAL (B)</b>				<b>4760732.75</b>

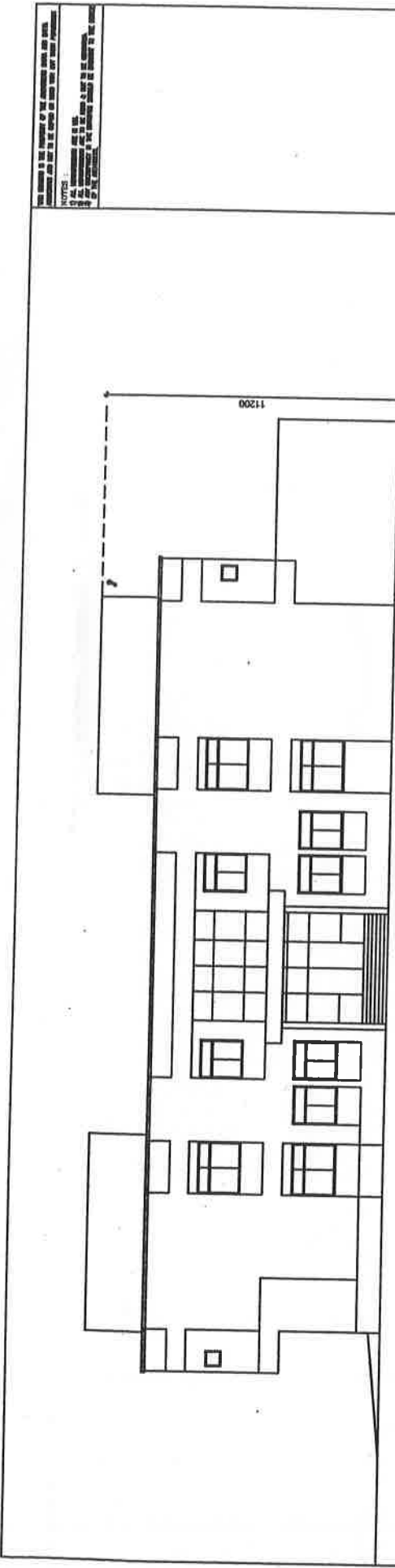


SR.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
	2	3	4	5	6
<b>5.0</b>	<b>WATER TANK (RCC ONLY)</b>				
<b>5.1</b>	R.C.C. Over head water tank without independent staging	Lit	10000.00	9.00	90000.00
<b>6.0</b>	<b>DEVELOPMENT OF SITE</b>				
<b>6.1</b>	Levelling (Plot area 1500Sqmt)	Sqm	1500.00	55.00	82500.00
<b>(C)</b>	<b>EXTRA RICHER SPECIFICATIONS</b>				
	<b>DSR ITEMS</b>				
<b>7.0</b>	Vitrified Flooring (DSR ITEM CODE 11.41.2 (1031.85) DSR ITEM CODE 11.10.1 (318.25) = 713.60	Sqm	1000.00	713.60	713600.00
<b>8.0</b>	Providing & fixing 2 mm thk Vinyle flooring, available in roll form of roll width 2.0 mtr & roll length 15 mtrs, provides ease of maintenance, reduces sound impact, does not favor bacterial / fungal growth made from polyvinyle chloride, including rubbing and polishing complete as per the direction of Engineer-in-charge.	sqmt	450.00	1250.00	562500.00
<b>9.0</b>	Alluminium Window (DSR ITEM CODE 21.1.2.2 (326.60)-DSR ITEM CODE 10.15 (92.25) = 234.35	L.S.			500000.00
	<b>TOTAL (C)</b>				<b>1948600.00</b>
	<b>GRAND TOTAL (A+B+C)</b>				<b>31939867.65</b>
	<b>NDSR ITEMS</b>				
<b>10.0</b>	Modular Switches	%	20789226.00	1.00%	207892.26
<b>11.0</b>	Solar water heater, energy saving fixtures	L.S.			800000.00
<b>12.0</b>	HVAC WORKS	tonne	40.00	30000.00	1200000.00
	<b>Total (D)</b>				<b>2207892.26</b>
	<b>GRAND TOTAL (A+B+C+D)</b>				<b>34147759.91</b>
<b>13.0</b>	Higher Specification For GRIHA Rating	%	34147759.91	5.00%	1707388.00
<b>14.0</b>	Cost Escalation (43% as per CPWD Circulars)	%	31939867.65	43.00%	13734143.09
<b>15.0</b>	Quality assurance	%	34147759.91	1.00%	341477.60
<b>16.0</b>	Labour welfare cess	%	34147759.91	1.00%	341477.60
	<b>Total (D)</b>				<b>16124486.29</b>
	<b>GRAND TOTAL (A+B+C+D)</b>				<b>50272246.20</b>
<b>17.0</b>	Contingencies	%	50272246.20	3.00%	1508167.39
<b>18.0</b>	Architect Fees @ 5.612%	%	34147759.91	5.612 %	1916372.29
	<b>GRAND TOTAL</b>				<b>53696785.87</b>
	<b>GRAND TOTAL</b>			<b>SAY</b>	<b>53700000.00</b>
	<b>GRAND TOTAL</b>				<b>(Rs. Five Crore Thirty Seven Lacs Only )</b>

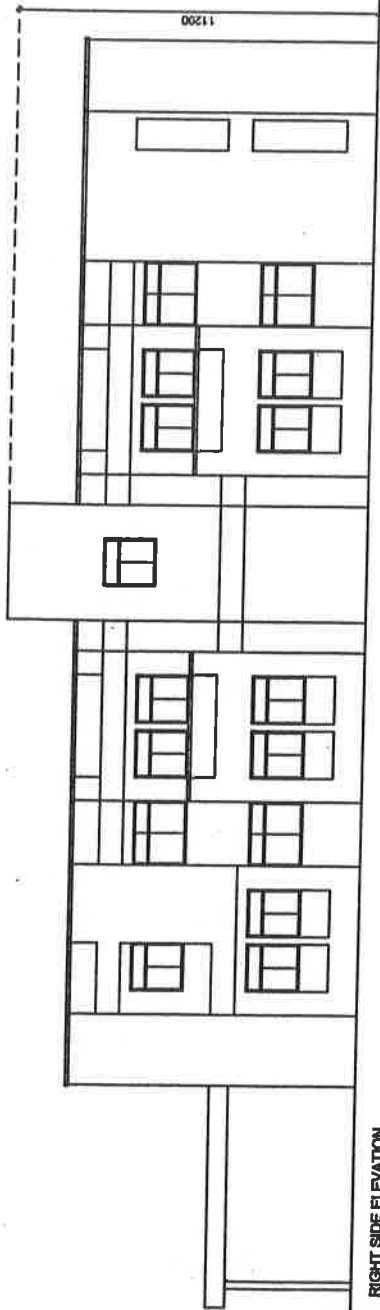
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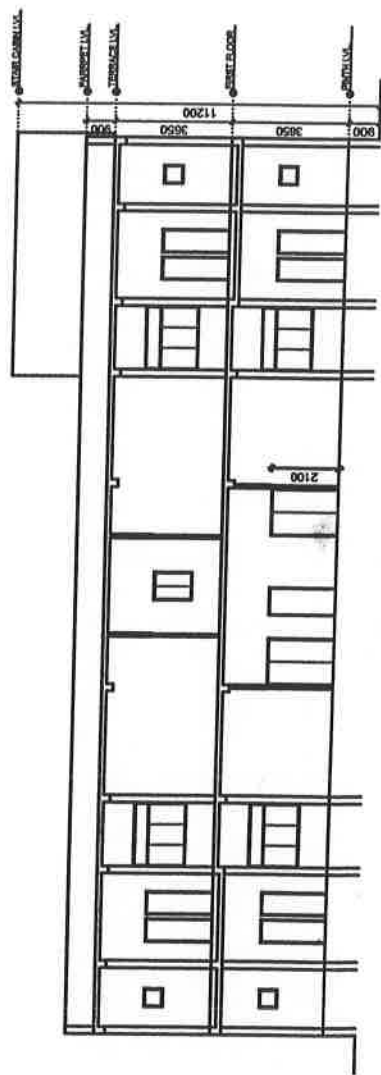




FRONT ELEVATION



RIGHT SIDE ELEVATION



SECTION A-A

NOTES:  
 1. ALL DIMENSIONS ARE IN METERS.  
 2. ALL DIMENSIONS ARE TO FACE UNLESS SPECIFIED OTHERWISE.  
 3. ALL DIMENSIONS ARE TO FACE UNLESS SPECIFIED OTHERWISE.  
 4. ALL DIMENSIONS ARE TO FACE UNLESS SPECIFIED OTHERWISE.  
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 8. ALL DIMENSIONS ARE TO FACE UNLESS SPECIFIED OTHERWISE.

DATE: 10/01/2020  
 SCALE: 1/20  
 DRAWN: [NAME]  
 CHECKED: [NAME]  
 PROJECT: PROPOSED CAMPUS FOR INDIA INSTITUTE OF INFORMATION TECHNOLOGY DESIGN & MANUFACTURING AT JABALPUR

REV.	NO.	DATE	DESCRIPTION

TITLE:  
**ELEVATIONS AND SECTION**  
 HEALTH CENTRE

PROJECT:  
 PROPOSED CAMPUS FOR INDIA  
 INSTITUTE OF INFORMATION  
 TECHNOLOGY DESIGN &  
 MANUFACTURING AT JABALPUR

SCALE: 1 - 50  
 DATE: 10/01/2020  
 DRAWN: [NAME]  
 CHECKED: [NAME]

DATE: 10/01/2020  
 SCALE: 1/20  
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