

Agenda & Notes

2009/ 2nd Meeting
of the
**Building & Works
Committee**

Venue of the Meeting

Conference Hall, PDPM-IIITDM, Jabalpur

Date and Time of the Meeting

July 18, 2009 at 14.30 Hrs



PDPM
Indian Institute of Information Technology, Design
and Manufacturing Jabalpur

Agenda Notes for the 2009/2nd

Meeting of Buildings & Works Committee, 2009

[to be held on Wednesday, July 18, 2009 at Conference Hall; PDPM IIITDM Jabalpur]

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B&WC/2009: 2.01 Opening Remarks by the Chairperson

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

B&WC/2009: 2.02 Confirmation of Minutes of the 2009/ 1st Meeting of the B&WC held on February 18, 2009

Minutes were circulated after the meeting and are placed at Annexure 1 (page P-4 to P-6).

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

B&WC/2009: 2.03 To consider the Preliminary estimate for the work of Construction of Mess & Dining Hall of UG Hostels

The preliminary estimate for the construction of Mess and Dining Hall for UG Hostel has been prepared on Delhi plinth area rates 2007. The details of estimate amounting to Rs 628 (Six hundred twentyeight) lacs along with concept drawing, history, design & scope, specification are placed at Annexure 2 (Pages P- 7 to P- 17). The above cost of building does not have any provision for site development, internal roads and paths, horticulture operation, kitchen equipment and furniture. The estimates for these items shall be put-up separately.

The B & WC is requested to accept the preliminary estimate amounting to Rs. 628 Lac (Rupees Six Hundred Twenty eight Lacs) and to request the Finance Committee to consider and recommend the same to Board of Governors for administrative approval and expenditure sanction for the above work

B&WC/2009: 2.04 To consider tenders received for the work of Lecture Hall & Tutorial Complex

The work has been approved by BOG in its meeting held on November 07, 2008. Composite Tender for above work have been recalled against approved provision of Rs 2241 Lacs. The tenders have been invited and shall be received and will be opened on 09. 07. 09. The detailed memo forwarding tender on the outcome of tender shall be placed in the meeting.

The B&WC is requested to consider the details contained in the memo forwarding tender for the work and accept the recommendations.

B&WC/2009: 2.05 Any other Item with the Permission of the Chair

ANNEXURE – 1

Annexure-1

**MINUTES OF THE 2009/1st MEETING OF THE BUILDING AND WORKS
COMMITTEE HELD ON FEBRUARY 18, 2009 AT SHASTRI BHAWAN,
MINISTRY OF HRD, NEW DELHI**

Present:

- | | |
|---|------------------|
| 1. Prof. Aparajita Ojha
Director
PDPM IIITDM Jabalpur | Chairperson |
| 2. Mrs. Seema Raj
Director (Technical)
Ministry of HRD. | Member |
| 3. Mr. P. S. Manglani
Ex-Superintending Engineer
Irrigation, Jabalpur | Member |
| 4. Shri B K Nema
Ex-Superintending Engineer
PWD, Jabalpur | Member |
| 5. Shri Raghunath Bhattacharya
Deputy Registrar
PDPM IIIT DM Jabalpur | Acting Secretary |
| 6. Prof Amit Ray
PDPM IIIT DM Jabalpur | Special Invitee |
| 7. Mrs. Alice Chacko,
Ministry of HRD. | Special Invitee |
| 8. Shri T S Anand
AE, PDPM IIIT DM | Special Invitee |

B&WC/ 2009:1. 01 Opening remarks by the Chairperson, B&WC

The Chairperson welcomed all the members of the B & WC and the Committee paid condolences on the untimely death of Prof. Sanjeev Bhargav, former Chairman, B&WC and also paid tribute to him for his tremendous efforts and dedication for the development of the Institute. The Chairperson reassured the Committee about the Institute's commitment to build this Institute, a centre of excellence.

The Chairperson informed all the members on the developments made after the previous meeting of the B&WC. She informed the members that design of two new buildings namely- Mess & Dinning Hall (MDH) and Students Activity Center (SAC) is in progress and a conceptual design has been finalized for MDH. These designs are based on the recommendations of Campus Advisory Committee of the Institute. The MDH has been conceptualized with following specifications (a) to cater to 2000 students, (b) to be two storied in order to save footprint, (c) have provision of independent kitchen on each floor. The Committee took note of it and expressed its satisfaction.

Institute is also working on the site development and will bring the campus road layout in the next B&WC. One of the members emphasized the need and urgency of such development works. The Chairperson appraised the Committee on the developments made on the front of roads, sewerage system and the arrangements made/planned to cater to water requirement of the Institute.

B&WC/2009:1. 02 Confirmation of Minutes of the 2009 Special Meeting of the B&WC held on January 05, 2009

Minutes of 2009 Special meeting of the B&WC held on January 05, 2009 were confirmed. Copy of minutes is placed on pages 3- 5 of the Agenda.

B&WC/2009:1. 03 To consider tenders received for the work of Electrical Supply & Management System Phase 1

The Committee considered the memo forwarding tenders pertaining to the work. The Committee expressed satisfaction on broad participation in tender process. The Committee took note of outcome of the tender placed on page 8 to page 12 of the agenda.

The B&WC accepted to award the work of Electric Supply & Management System Phase 1 to M/s Rohini Industrial Electricals Ltd, Mumbai at 16% (sixteen percent) below amounting to Rs. 4,52,15,811/- (Rupees Four crore fiftytwo lac fifteen thousand eight hundred eleven only) at estimated cost put to tender. The cost is 22.87 % less than the amount Rs. 5,86,24,547 approved by BOG for the tendered component of work.

B&WC/2009:1. 04 To consider tenders received for the works of Triple Seated Hall of Residence 1

The Committee considered the memo forwarding tenders pertaining to the work and the outcome of the negotiation held with lowest tender M/s RSB Projects Ltd, Haryana placed on pages 18 - 19 of the agenda. The Committee was requested to read the figure of Rs. 9,97,526.33 instead of Rs.9,97,52,633.69 on page 18. The Committee discussed the outcome of tender and the lowest negotiated per sqm cost of Rs.13,660.76. The Committee expressed their satisfaction on reasonableness of quoted amount.

The B&WC accepted to award the work of Triple Seated Hall of Residence 1 to M/s RSB Projects Ltd, Haryana at 23.39% (Twenty three point three nine percent) above, amounting to Rs.16,25,31,380/- (Rupees Sixteen crore twentyfive lac thirtyone thousand three hundred eighty only), an percentage arrived at after negotiations and being within ten percent of sanctioned amount for the work.

B&WC/2009:1. 05 To consider tenders received for the works of Lecture Hall & Tutorial Complex

The Committee considered the memo forwarding tenders pertaining to the work. The Committee took note of low participation in the tender. The Committee pondered the reasons for difference in the approved amount and quoted amount. The Committee was appraised that since the building was specialized building having large quantum of electrical component, Large spans with low repetitions, provision for building automation including automation for Low side of HVAC etc leading to difference in the percentage quote for both the works. During course of discussion the Committee was also informed of similar results. In the first call it was 34% above (with HVAC) and in second call it was 27.7% above sanctioned cost (without HVAC and electrical) for Lecture Hall Complex. The estimate was then put up for revision with

small alteration in building also, and in the subsequent call it was 34% above approved cost of work. The work could not be awarded in view of higher rates.

Meanwhile with Govt. of India directives of increase in strength the lecture hall complex was re-designed and fresh bids were invited after taking due approval from competent authorities.

In view of the above observations, B&WC decided to constitute a sub committee of (i) Prof A Ray, (ii) Mr P S Mangalani, (iii) Mr B K Nema, (iv) Mr Raghunath (v) Mr T S Anand to negotiate with the lowest contractor M/s RSB Projects Ltd, Haryana and give its recommendations to the Chairperson.

The B&WC authorized the Chairperson to take on its behalf, decision based on final outcome of tender after negotiation.

B&WC/ 2009:1. 06

Any other item with the permission of the chair

The meeting ended with vote of thanks to the Chair.

Sd/-

(Raghunath)
Acting Secretary

Sd/-
(Aparajita Ojha)
Chairperson
Building and Works Committee

ANNEXURE – 2

Annexure-2

Name of work : Construction of Mess and Dining Hall for UG Hostels (SH: Civil & Electrical)

Head of Account : Chargeable to Plan Budget.

Preliminary estimate amounting to Rs.628. Lacs (Rs. Six Hundred Twentyeight Lacs only) including 1.5% cost of project management + Architects Fees @ 5.612% (5% fees + 12.24% service tax on fees) & 3% Contingencies prepared by M/s Datta & Datta Associates , Ahemedbad to meet the cost of the above mentioned work.

History :

- i) Based on the initial brief, which was discussed in the Campus Advisory Committee meeting, it was suggested to have a central dining facility to cater to dinning needs of both the under graduate (Single and Triple seated) hostels. The building should be planned in such model that would economize on the foot print of the building.
- ii) The Architect presented their plan-based inputs of the Campus Advisory Committee.
- iii) The plan was deliberated and member made some observations including, need for extended covered courtyard was emphasized for day-to-day kitchen activities. The Architect presented plan after making modifications. The plan is placed at P- ...

Design & Scope : The design of the proposed building has the following features:

- The Dining & Kitchen block comprises of dining facility for a seating capacity of 400 students and a separate kitchen for both the dining areas.
- The dining facility and kitchens are envisaged to cater to around 1000 students in 2 - 3 shifts.
- The kitchen shall have serving area catering to dinning area.
- Support facilities such as hand wash and toilets provided.
- Goods lift of 1 tone shall be provided

Specification : Brief specifications of work shall be as follows:

- i) Designed reinforced cement concrete for structural works.

- ii) All in fill walls shall be of first class local bricks.
- iii) Flooring/ Finishes
- a) Polished Kota stone with bands of Jaisalmer in dining & other common area.
- b) Anti skid vitrified tiles/ Kota stone in Kitchen , wash area & Toilets.
- iv) Ceramic tile upto 2.10 meter in Kitchen walls.
- v) Wash basins in the toilets shall be provided on a granite counter.
- vi) Double rebated aluminum window frames with glazed and fly mesh shutter.
- vii) Oil bound distemper for internal painting.
- viii) For external finish a combination of washed stone grit plaster, external painting and cladding
- ix) Pozolonna Portland Cement as per IS specifications for non structural works and ordinary Portland cement for structural works.
- x) CP fittings, white glazed sanitary wares, centrifugal cast iron pipes for sewer lines, GI pipes for water supply lines and rcc overhead tanks, and structure built-in parnalas for rain water.
- xi) Provision for hot water from solar hot water system is not in the scope of this proposal and shall be put up seprately.

Rates

- i) Delhi plinth area rates 2007.
- ii) Items not available in the DPAR have been analyzed on DSR 2007.

Period of Construction

Total ten months.

Mode

On contract through call of competitive Tenders.

(T.S. Anand)

A.E.E

Name of Work: Construction of Mess and Dining Hall for UG Hostels at IIITDM,
JABALPUR

AREA STATEMENT

Sl no	Description	Area (in sqm)
1	Ground Floor	1771.50
2	First Floor	1771.50

**Name of Work: Construction of Mess and Dining Hall for UG Hostels at IIITDM,
JABALPUR**

Preliminary Estimate based on Delhi Plinth Area Rates 1.10.2007

SI. No	DPAR CODE	Description	Unit	Qty	Rate (in Rs.)	Amount (in Rs.)
1	1	RCC FRAMED STRUCTURE				
	1.1	RCC framed structure up to six stories				
	1.1.2	Floor height 2.90 Mt.	Sqm	3543	9,100.00	3,22,41,300.00
		Extra for				
2	1.2.3	Every 0.30 mt additional height of floor above normal floor height of 3.35 mt./2.90 mt.	Sqm	3543	150.00	5,31,450.00
3	1.2.4	Every 0.30 mt higher plinth over normal plinth height of 0.60 mt (1.20 mt ht.)	Sqm	1771.50	150.00	2,65,725.00
4	1.2.5	every 0.30 mt deeper foundations over normal depth of 1.20 mt (1.80 mt depth)	Sqm	3543	150.00	5,31,450.00
5	1.2.8	Resisting earthquake forces	Sqm	3543	630.00	22,32,090.00
6	1.2.11	Stronger structural members to take heavy load above 500 Kgs./sqm. Up to 1000 Kgs./sqm.	Sqm	20.00	850.00	17,000.00
7	1.2.12	Larger modules over 35 sqm.	Sqm	1020	1980.00	20,19,600.00
	1.4	FIRE FIGHTING				
8		With wet riser system	Sqm	3543	300	10,62,900.00
		TOTAL (A)				3,94,32,965.00
	3.0	Services				
9	3.1	Internal water supply and sanitary installations	%	3,22,41,300.00	4.00	12,89,652.00
10	3.2	External service connections	%	3,22,41,300.00	5.00	16,12,065.00
11	3.3	Internal Electric Installation	%	3,22,41,300.00	12.5	40,30,162.50

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	3.6	Extra for				
	3.6.3	Lightening conductors				
12	3.6.3.1	Upto 4 storeys Building	%	3,22,41,300.00	0.5	161,205.00
13	3.6.4	Telephone Conduits	%	3,22,41,300.00	0.5	161,205.00
15	3.6.6	Quality assurance	%	3,22,41,300.00	1.0	3,22,413.00
		Total for SI no. 9 to 15 (B)				75,76,705.50
	4.0	LIFTS				
	4.2.1	Goods lift 1 Tone Capacity	No	1.00	14,75,000	14,75,000.00
	5.0	WATER TANK (RCC ONLY)				
16	5.1	R.C.C. Over head water tank without independent staging	Lit	30,000.00	9.00	2,70,000.00
17	5.5	Under ground sump	Lit	60,000.00	9.00	5,40,000.00
	6.0	DEVELOPMENT OF SITE				
18	6.1	Levelling	sqm	2000.00	55.00	1,10,000.00
		Total for Sr. No. 16 to 17 (C)				23,95,000.00
	7.0	EXTRA SPECIFICATION				
19		Additional for special shuttering for folded plate slab of 2 nd floor	sqm	1230.00	669.12	823017.60
		Total				5,02,27,688.10
20	8.0	Cost Escalation (14% as per CPWD)	%	5,07,59,138.00	14.00	71,06,279.33
		GRAND TOTAL				5,72,59,564.43

**Name of Work: Construction of Mess and Dining Hall for UG Hostels at IIITDM,
JABALPUR**

SUMMARY OF COST

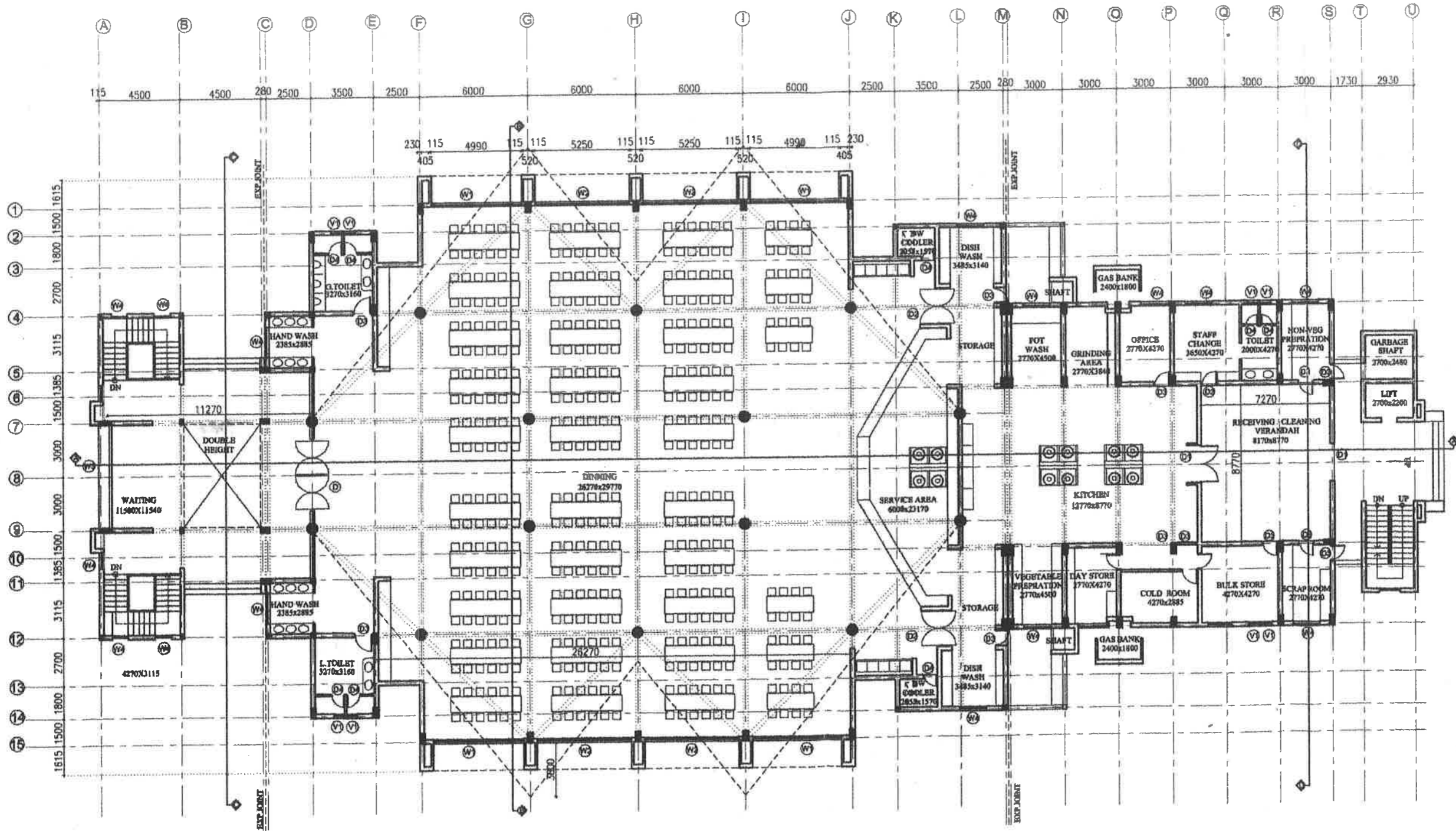
Sl no	Description	Amount in Rs.
1	Framed Structure as per Appendix I (Civil + Electrical)	4,70,09,670.00
2	Lift, Water tank, Development of site, Extra Specification	32,18,017.60
	Total A (Sl no 1 to 2)	5,02,27,688.10
3	Cost Escalation	70,31,876.00
4	Labour Cess @ 1% of A	5,02,276.00
5	Architects Fees @ 5.618% (5% fee + Service tax @12.36%) of A	28,18,777.00
6	Cost of Project Management @ 1.69% (1.5% + Service tax @12.36%) of A	7,53,415.00
7	Contingencies	15,06,830.64
	Grand Total	6,28,40,865.14

PER SQUARE METER COST

SI no	Description	AREA (IN SQM)	Amount in Rs.	Cost per sqm
1	Framed Structure as per Appendix I (SH:Civil + Electrical)	3543	4,70,09,670.00	13,268
2	Lift, Water tank, Development of site, Extra Specification	3543	32,18,017.60	908
3	Cost Escalation	3543	70,31,876.00	1985
4	Labour Cess @ 1% of A	3543	5,02,276.00	142
5	Architects Fees @ 5.618% (5% fee + Service tax @12.36%) of A	3543	28,18,777.00	796
6	Cost of Project Management @ 1.69% (1.5% + Service tax @12.36%) of A	3543	7,53,415.00	213
7	Contingencies	3543	15,06,830.64	425
	Grand Total	3543	6,28,40,865.14	17737

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GROUND FLOOR PLAN

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R	E	V
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TITLE:
**DINNING-KITCHEN
 GROUND FLOOR PLAN**

PROJECT:
**CONSTRUCTION OF DINNING-KIT
 FOR PDPM IIITDM AT JABALPUR**

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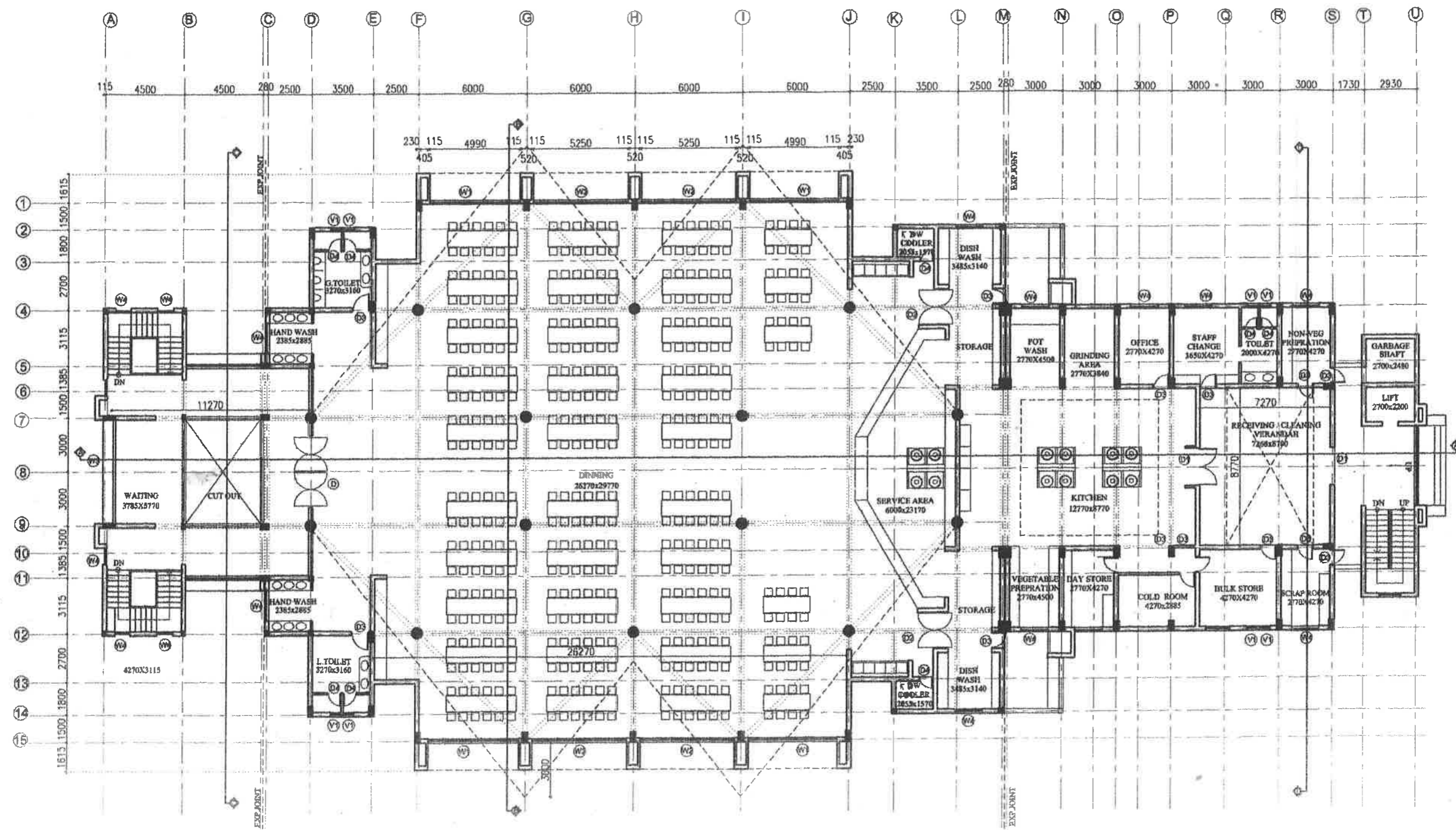
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GROUND FLOOR PLAN

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**DINNING-KITCHEN
FIRST FLOOR PLAN**

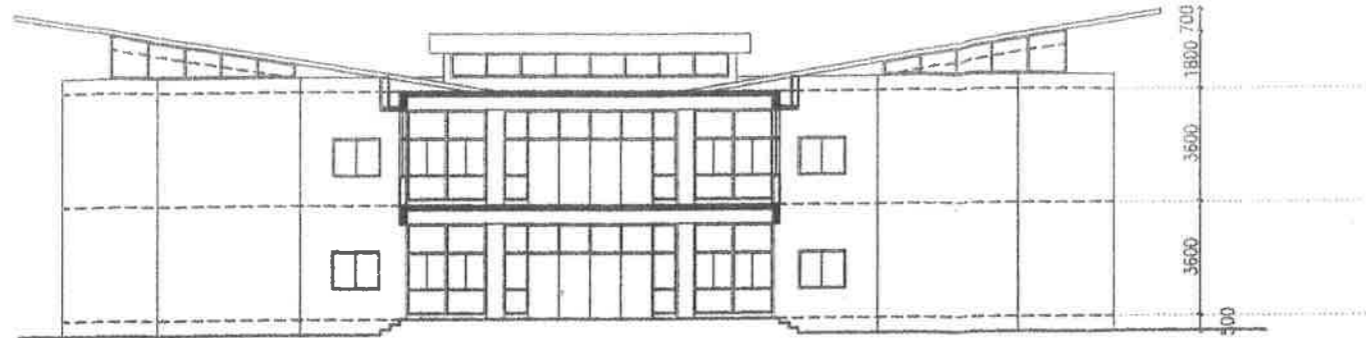
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FOR PDPM IIITDM AT JABALPUR**

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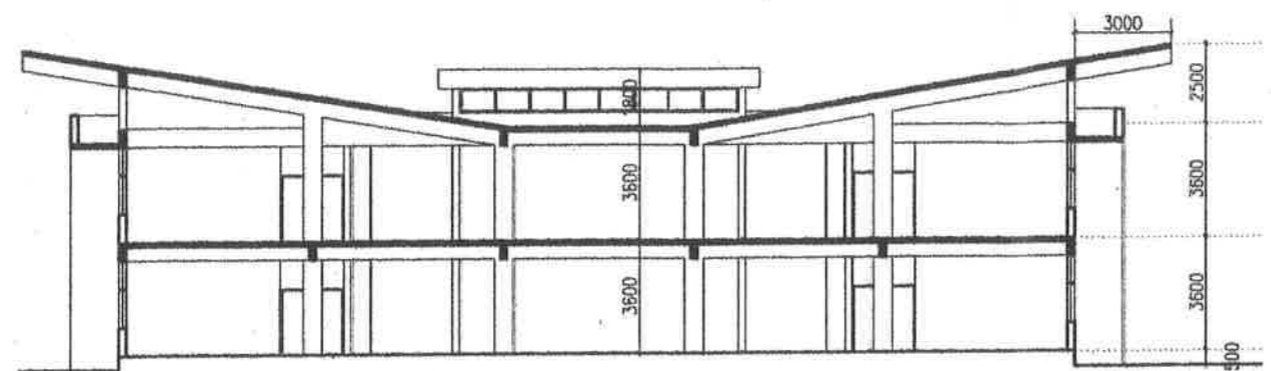
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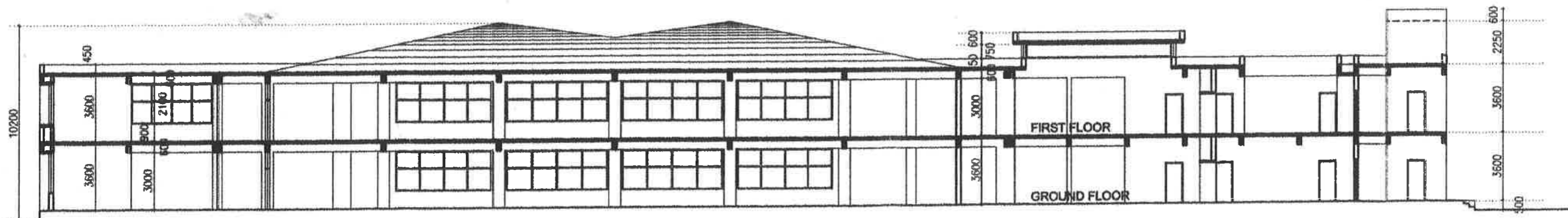
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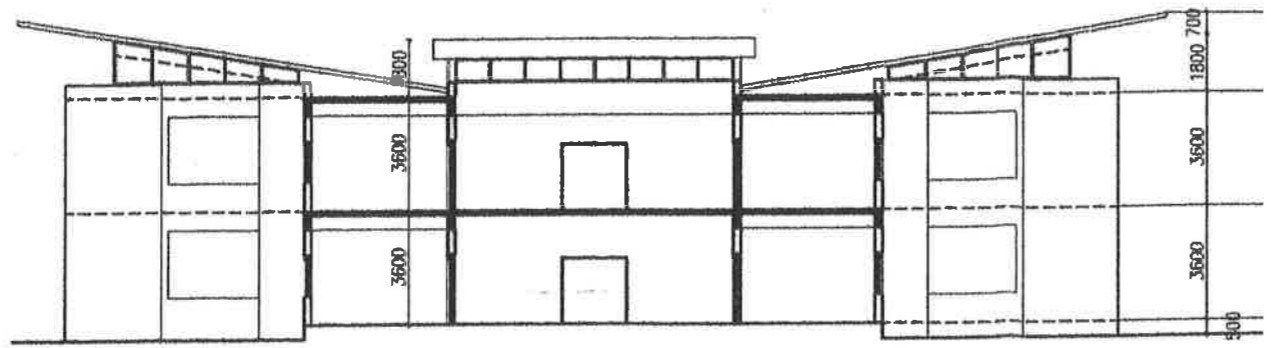
SECTION -C-C



SECTION- B-B



SECTION-A-A



SECTION- D-D

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TITLE:
SECTIONS

PROJECT:
CONSTRUCTION OF DINNING-KIT FOR PDPM IITDM AT JABALPUR

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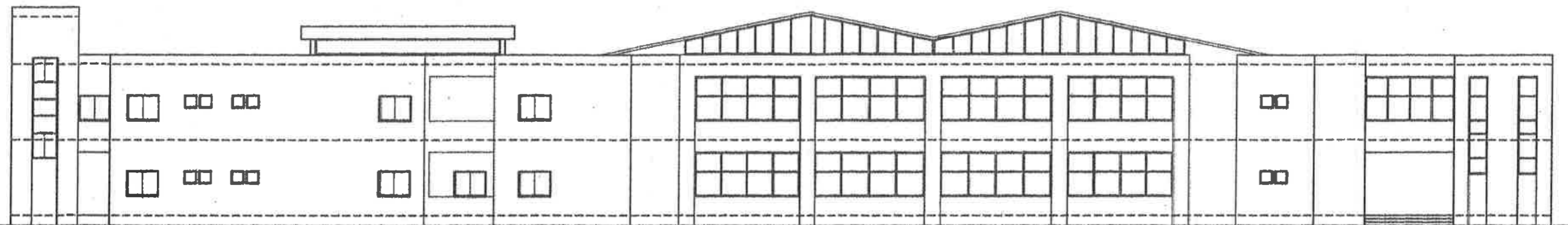
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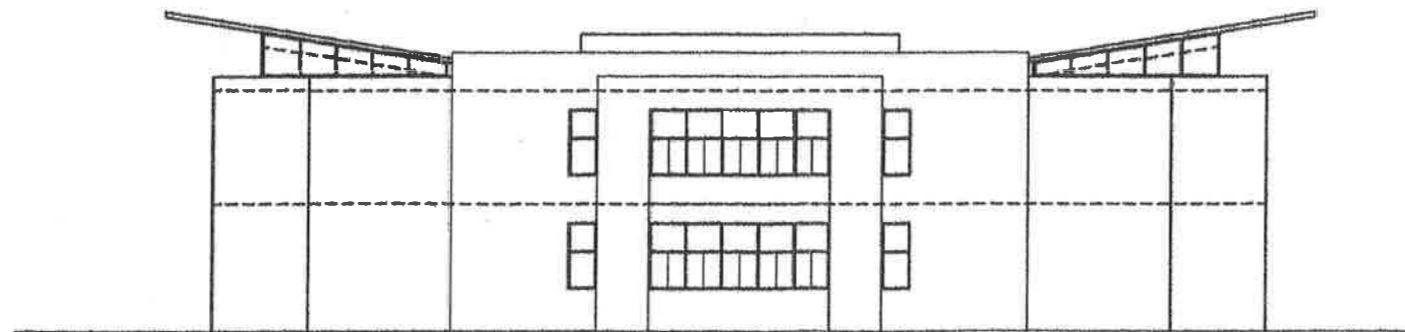
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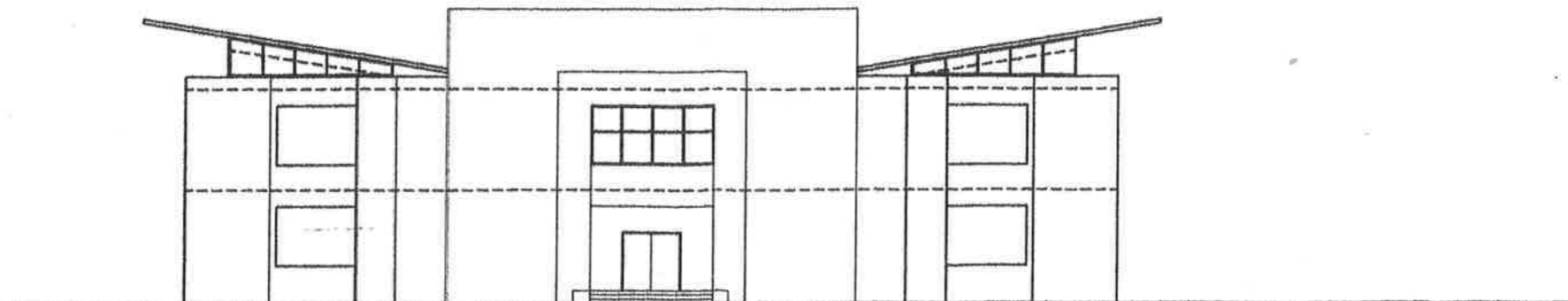
RIGHT SIDE ELEVATION



LEFT SIDE ELEVATION



FRONT ELEVATION



REAR ELEVATION

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R	E	V
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TITLE:
 ELEVATIONS

PROJECT:
 CONSTRUCTION OF DINNING-KIT
 FOR PDPM IIITDM AT JABALPUR

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