Indian Institute of Technology Jammu **Building & Works Committee**

Minutes of 21st Meeting

29 February 2024 (Thursday)
11:00 hours
Conference Room,
IIT Jammu





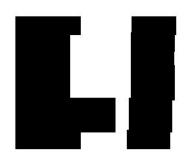
Indian Institute of Technology Jammu

Building & Works Committee

Minutes of 21st Meeting

29 February 2024 (Thursday), 11:00 hours Conference Room, Director Office





Following are the decisions taken by the Committee:-

	1			
Ser	Item			
21.1	Welcome by Chairman			
	The Chairman welcomed all the members and Special Invitees to the 21st meeting of Building and Works Committee.			
21.1.1	Confirmation of the Minutes of the 20 th Meeting of the Building & Works Committee of IIT Jammu held on 12 June 2023 in Conference Room, Directorate, IIT Jammu			
	The committee confirmed the minutes of 20 th Meeting of the Building and Works Committee held on 12 June 2023, as circulated.			
21.1.2	Action Taken Report			
	The Committee noted the Action Taken Report (ATR) on various decisions taken in the 20 th Meeting of the Building and Works Committee held on 12 June 2023.			
21.2	Discussion Items			
21.2.1	Status of Progress of Construction of Main Campus of IIT Jammu Stage 1C, Phase A.			
	The Committee was apprised about the Status of Stage 1C Phase A Development of the Permanent Campus of IIT Jammu. The details are as under:			
	(1) The Dean(IPM) and the Chairman apprised all members of Building & Works Committee that Hostel Building, Dining Hall building, Academic building, Lecture Theatre complex and Workshop buildings have been dedicated to nation by Hon'ble Prime Minister on 20 February 2024.			

- (2) The Chief Engineer cum Executive Director, CPWD Jammu gave a Presentation towards the Stage 1C Phase A Development of Permanent Campus.
- (3) The committee observed that the augmentation of manpower on the project has been remained inadequate resulting in huge gap between targeted progress and achieved progress during past several months. During last Nineteen months, PMC and agency promised to increase the requisite manpower but never achieved commensurate numbers with work fronts available (from September 2021 promised during a joint meeting with DG CPWD). This has resulted in delay accumulation and huge slack even in the catch up plan.
- (4) During meeting with DG CPWD on 26 Oct 22 the issue of deployment of adequate manpower commensurate with work fronts available was discussed in detail. After detailed discussions about the progress of various buildings, DG, CPWD enjoined CPM, CPWD to work out the requirement of manpower (trade wise) so that the targets for completion of various buildings are achieved without any further delays. He also highlighted to maintain the highest level quality of execution for this prestigious project. Though promises were made to augment the manpower but the ground reality of the project never changed.
- (5) During the review meeting with Ministry of Education on 30 Dec 22 in which DG CPWD was also present the issue of delay in progress due to inadequate manpower was highlighted with the direction that CPWD/ PMC will take necessary action to ask EPC Contractor to augment the deployment of manpower at site. The other issues discussed during the meeting have been covered in subsequent paras.
- (6) During the meeting of Group of officers held under the chairmanship of (Secretary coordination), Cabinet Secretariat on 06 Mar 23 CPWD /PMC was directed to address the issue of shortage of manpower deployed at site by the EPC contractor expeditiously so as to complete the project within the agreed timelines. This has been recorded and communicated to the CPM for necessary action.
- (7) During the meeting of Group of officers held under the chairmanship of (Secretary coordination), Cabinet Secretariat on 08 June 23 and 04 Sept 23 CPWD /PMC was again directed to address the issue of shortage of manpower deployed at site by the EPC contractor expeditiously.
- (8) The meeting which was held on 01 Aug 23 under the Chairmanship of Secretary, Higher education Ministry of Education, Govt. of India it was emphasized that there is a requirement of at least 1000 additional manpower which needs to be deployed by the EPC Contractor to complete the project in time & requested DG/CPWD to ensure the required manpower is deployed. DG, CPWD assured to provide the extra manpower required for the project and completion of the work in the targeted date.
- (9) The status of Manpower committed v/s to be deployed by EPC Contractor is as follows:

Ser	PMG/BWC	Committed (NoS)	Deployed (NoS)	Date
1	18 Oct 2021	800	564	25 Oct 21
2	16 Nov 21 & 26 Nov 21	800	562	30 Nov 21
3	07 Dec 21	1200	940	31 Dec 21
4	16 th B&WC 22 Dec 21	1200-1500	306-940	Jan 22
5	01 Feb 22	1200	888-969	15 Feb 22
6	22 Feb 22	1200	1060	07/11 March 22
7	09 March 22	1100	917-1063	April 22
8	RICPL Letter no 471 dt 30 April 22	1558	1010	31 May 22
9	RICPL Letter no 471 dt 07 June 22	1314	1131	15 June 22

10	RICPL Letter no 471 dt 07 June 22	1538	1100	30 June 22
11	25 June 22	1400-1500	1122	15 July 22
12	27 July 22	1482	954	20 Aug 22
13	23 Aug 22	1227	1102	30/31 Aug 22
14	23 Aug 22	1329	1224	15 Sep 22
15	23 Aug 22	1426	1290	30 Sep 22
16	28 Sep 22	1468	1371	15 Oct 22
17	28 Sep 22	1582	1338	30 Oct 22
18	29 Oct 22	1623	1558	10 Nov 22
19	29 Oct 22	1828	1562	30 Nov 22
20	08 Dec 22	1640	1526	15 Dec 22
21	08 Dec 22	1838	1575	31 Dec 22
22	03 Jan 23	1735	1565	15 Jan 23
23	03 Jan 23	1913	1521	31 Jan 23
24	09 Feb 23	1828	1632	28 Feb 23
25	10 Mar 23	1374	1424	10 Mar 23
26	10 Mar 23	1721	1600	30 Mar 23
27	10 Mar 23	1834	1517	15 Apr 23
28	10 Apr 23	2000	1466	30 Apr 23
29	10 May 23	1870	1901	15 May 23
30	10 May 23	2020	1464	31 May 23
31	30 Jun 23	2050	1845	15 Jul 23
32	30 Jul 23	2110	1925	31 Jul 23
33	15/16 Aug 23	2103	2080	16 Aug 23
34	31 Aug 23	2380	2076	31 Aug 23
35	15 Oct 23	2579	2335	15 Oct 23
36	15 Oct 23	2594	2085	15 Nov 23
37	15 Oct 23	2599	2045	29 Nov 23
38	15 Oct 23	2423	2073	15 Dec 23
39	15 Oct 23	2303	2150	31 Dec 23
41	15 Oct 23	1818	1499	31 Jan 24

(10) The detailed status of various bldgs/services is as follows:

Date of Start = 10 Oct 20NIT Date of Completion $= \underbrace{16 \text{ Apr } 23}_{31 \text{ Dec } 23} \text{ (Revision-1)}_{31 \text{ Jan } 24} \text{ (Revision-2)}_{29 \text{ Feb } 24} \text{ (Revision-3)}_{30 \text{ Jun } 24} \text{ (Revision-4)}_{(Bal. \text{ Res & Sports block)}}$

Overall physical Progress = 79 %Sch. Progress (upto 31 Mar 24) = 100 %Act. Progress (Upto 31 Mar 24) = 90 %Sch. Progress (Upto 30 Jun 24) = 91 %Act. Progress (Upto 30 Jun 24) = 59 %

(11) (a) Boys Hostel:

Date of Start = 10 May 21NIT Date of Completion = 16 July 22

Date of Completion incl all internal services. = 31 Mar 23 (Revision-1) Date of completion with all external services = 30 Jun 23 (Revision-2) 15 Jul 23 (Revision-3) 15 Aug 23 (Revision-4) 30 Sep 23 (Revision-5) 15 Nov 23 (Revision-6) 15 Dec 23 (Revision-7) 15 Jan 24 (Revision-8) 28 Feb 24 (Revision-9) 31 Mar 24 (Revision-10) **Physical Progress** = 98.5 % Required progress /week = 0.45 % (Revision-10) Actual Progress/week = 0.72 %(b) Dining Hall: Date of Start = 14 Oct 21 = 16 July 22 NIT Date of Completion Date of Completion incl all internal services. = 31 Mar 23 (Revision-1) Date of completion with all external services = 30 Jun 23 (Revision-2) 15 Jul 23 (Revision-3) 15 Aug 23 (Revision-4) 30 Sep 23 (Revision-5) 15 Nov 23 (Revision-6) 15 Dec 23 (Revision-7) 15 Jan 24 (Revision-8) 28 Feb 24 (Revision-9) 31 Mar 24 (Revision-10) Physical Progress = 99.0 % Required progress /week = 0.30 % (Revision-10) Actual Progress/week = 0.85 % Engineering Block: (c) Date of Start = 19 Jun 21 NIT Date of Completion = 16 Apr 23Date of Completion = 31 Aug 23 (Revision-1) 30 Sep 23 (Revision-2) 31 Dec 23 (Revision-3) 26 Jan 24 (Revision-4) 28 Feb 24 (Revision-5) 31 Mar 24 (Revision-6)

Physical Progress = 90 %

Required progress /week = 3 % (Revision-6)

Actual Progress/week = 0.68 %

(d) Lecture Theatre Building:

Date of Start = 22 Sep 21

NIT Date Of Completion = 16 Oct 22

Date of Completion = 31 July 23 (Revision-1)

30 Sep 23 (Revision-2)

31 Dec 23 (Revision-3)

26 Jan 24 (Revision-4)

28 Feb 24 (Revision-5)

31 Mar 24 (Revision-6)

Physical Progress = 86 %

Required progress /week = 4.20 % (Revision-6)

Actual Progress/week = 0.72 % (Revision-6)

(e) Workshop Building:

Date of Start = 03 Jan 22

NIT Date of Completion = 16 Oct 22

Date of Completion = 30 Jun 23 (Revision-1)

31 Oct 23 (Revision-2)

31 <u>Dec 23</u> (Revision-3)

26 Jan 24 (Revision-4)

28 Feb 24 (Revision-5)

31 Mar 24 (Revision-6)

Physical Progress = 85 %

Required progress /week = 4.50 % (Revision-6)

Actual Progress/week = 0.88 % (Revision-6)

(f) Sports Complex:

Date of Start = 30 Nov 21

NIT Date of Completion = 16 Apr 23

Date of Completion = 30 Jun 23 (Revision-1)

31 Dec 23 (Revision-2)

16 Jun 24 (Revision-3)

30 Jun 24 (Revision-4)

				F 0/
	•	-		5 %
				1.20 % (Revision-4)
	Actua	al Progress/week	= (0.43 % (Revision-4)
(g)	Type III Quarters (2 Tow	ers), 56 DU's:		
	Date of Start			
	, , , , , , , , , , , , , , , , , , ,	A block	=	03 Aug 21
	E	3 block	=	10 May 22
	NIT Date of Comple	etion	=	16 Jan 23
	Date of Completion			
	A	block	=	31 Dec 23 (Revision-1)
				31 Mar 24 (Revision-2)
	В	block	=	31 Aug 23 (Revision-1)
				30 Sep 23 (Revision-2) 31 Dec 23 (Revision-3)
				31 Mar 24 (Revision-4)
				30 Apr 24 (Revision-5)
	Physical Progress			
		A & B Block	=	69 %
	Reqd progress /v			
		A & B block	=	4.23 % (Revision-5)
	Actual Progress/v	veek		
		A & B block	=	0.63 % (Revision-5)
(h)	Type V Quarters(4 Tower	rs), 86 DU's:		
	Da	ite of Start		
	С	block		= <u>10 Oct 21</u>
	D	block		= 10 May 22
	А	& B block		= <u>23 Apr 22</u>
				28 May 22
	NIT Date of 0	Completion		= 20 Mar 23
	Date of Completio	-		
		C block	=	31 Dec 23(Revision-1)
				30 Jun 24 (Revision-2)
				_ (((((((((((((((((((

1			
		D block	= 31 Aug 23(Revision-1) 30 Sep 23 (Revision-2) 31 Mar 24 (Revision-3) 30 Apr 24 (Revision-4)
		A & B block	= <u>31 Dec 23</u> (Revision-1)
			30 Jun 24 (Revision-2)
	Physical Progr	ess	
		Block A,B,C & D	= 55 %
	Required prog	gress /week	
		Block A,B,C & D	= 2.91 %
	Actual Progr	ress/week	
		Block A,B,C & D	= 0.47 %
(i)	Utility/Ext. services	buildings:	
		Date of Start	= 28 Sep 21
		NIT Date of Completion	= 16 July 22
		Date of Completion	= 30 Jun 23 (Revision-1) 30 Sep 23 (Revision-2) 15 Dec 23 (Revision-3) 25 Dec 23 (Revision-4) 31 Jan 24 (Revision-5) 28 Feb 24 (Revision-6) 31 Mar 24 (Revision-7)
		Physical Progress	= 81 %
		Req. Progress /week	= 11.10 %(Revision-7)
		Actual Progress/weel	k = 0.56 %
(j)	Ext. water supply:		
		Date of Start	= 08 Dec 21
		NIT Date of Completi	on = 16 Apr 23
		Date of Completion	= <u>31 Dec 23</u> (Revision-1) <u>28 Feb 24</u> (Revision-2) 31 Mar 24 (Revision-3)
		Physical Progress	= 52 %
		Req. Progress /week	
		Actual Progress/week	

(k) lifts:

Date of installation = 22 Apr 23 Date of commissioning = 10 Dec 23

Six lifts in Hostel Building & two lifts in dining Block has been commissioned. The work is in progress in 16 lifts of Engineering block, Lecture theatre complex and workshop block.

(I) Irrigation system:

Date of Start = 01 Sep 22 01 Dec 22 (Revision-1) 01 Feb 23 (Revision-2) 05 Apr 23 (Revision -3) 15 May 23 (Revision-4)

NIT Date of Completion = 16 Apr 23

Date of Completion = $\underline{10 \text{ Dec } 23}$ (Revision-1)

30 Apr 24 (Revision-2)

15 Dec 23 (Revision-5)

30 Jun 24 (Revision-3)

Work has not yet commenced on Ground

(m) Fire Fighting:

Date of Start = 15 Oct 22Date of completion = 31 Dec 23

25 Mar 24 (Revision-1)

The laying of firefighting lines is in progress.

- (n) DWTS:
- (12) The work of STP 4 (Hostel & dining) has been completed.
- (13) The work of STP 3 (Engg, lecture & Workshop) is in progress (90 %).
- (14) The STP 6 of sports block has not yet started.

(o) Roads:

Date of Start = 06 Feb 21 NIT Date of Completion = 16 Apr 23

Date of Completion = 31 Dec 23 (Revision-1)

28 Feb 24 (Revision-2) 15 Apr 24 (Revision-3)

Physical Progress = 70 %Req. Progress /week = 6.0 %Actual Progress/week = 0.45 %

(p) Storm water drains:

Date of Start = 20 Dec 21 NIT Date of Completion = 16 Apr 23

Date of Completion = 31 Dec 23 (Revision-1)

31 Jan 24 (Revision-2) 28 Feb 24 (Revision-3)

31 Mar 24 (Revision-4)

(15) Building drainage. – Work in progress(16) Area drainage. – Work in progress

(17) Road drainage. – Work Progress is 70 %

(q) Water Body & Check Dams:

i. Date of Start = 20 March 22 NIT Date of Completion = 16 Apr 23

Date of Completion = 31 Dec 22 (Revision-1)

23 Jan 23 (Revision-2) 30 Apr 23 (Revision-3) 30 May 23 (Revision-4) 20 Jun 23 (Revision-5) 31 Jul 23 (Revision-6) 15 Oct 23 (Revision-7) 30 Nov 23 (Revision-8) 28 Feb 24 (Revision-9)

05 Mar 24 (Revision-10) 10 Apr 24 (Revision-11)

Physical Progress = 95 %

Req. Progress /week = 1.07 % Actual Progress/week = 0.87 %

Slope stabilization, Hydroseeding & RCC Retaining walls (r)

> Date of Start = 15 Jul 21 (Revision-1)

> > 01 Oct 21 (Revision-2)

NIT Date of Completion = 16 Apr 23

Date of Completion = 31 Dec 23 (Revision-1)

> 28 Feb 23 (Revision-2) 28 Feb 24 (Revision-3) 15 Apr 24 (Revision-4)

Physical Progress = 87 % Req. Progress /week = 2.44 % Actual Progress/week = 0.74 %

- Physical progress is 85 % (18)Retaining walls
- (19)Toe walls - Physical progress is 86 %
- (s) Bridge/ Pile foundation and culverts(25 Nos)

Date of Start = 18 Oct 21

NIT Date of Completion = 16 Apr 23

Date of Completion = <u>31 Mar 23</u> (Revision-1)

30 Apr 23 (Revision-2)

30 Jun 23 (Revision-3)

31 Aug 23 (Revision-4)

15 Sep 23 (Revision-5)

15 Nov 23 (Revision-6)

30 Nov 23 (Revision-7)

25 Dec 23 (Revision-8)

25 Jan 24 (Revision-9) 10 Feb 24 (Revision-10)

31 Mar 24 (Revision-11)

30 Apr 24 (Revision-12)

Physical Progress = 57 % Req. Progress /week = 7.25 % Actual Progress/week = 0.49 %

(t) Service trenches

Date of Start = 28 Oct 21NIT Date of Completion = 16 Apr 23

Date of Completion

Civil Works = $\underline{25 \text{ Sep } 23}$ (Revision-1)

31 Dec 23 (Revision-2) 28 Feb 24 (Revision-3) 31 Mar 24 (Revision-4) 15 Apr 24 (Revision-5)

MEP Works = 25 Sep 23 (Revision-1)

31 Dec 23 (Revision-2) 28 Feb 24 (Revision-3) 31 Mar 24 (Revision-4) 15 Apr 24 (Revision-5)

Physical Progress = 70 %Req. Progress / week = 11.25 %Actual Progress/week = 0.64 %

- (20) Committee observed that the DBR of drainage and irrigation System scheme has not been approved by PMC till date. PMC was directed to ensure that schemes are approved work carried out as per approved scheme.
- (21) Committee directed PMC to ensure that all above works and services are completed within the timelines given and dates committed should not be changed without any genuine grounds and without permission from the Competent Authority of IIT Jammu.
- (22) Committee also observed that the progress of superstructure of bridge is way behind the schedule. PMC was directed to complete the work of bridge within the revised timeline. If the bridge is not completed within schedule time it will have connectivity issues of carrying services to hostel & dining hall.
- (23) Committee also observed that EPC contractor is lagging in work of footpaths, roads and Area drainage, hydroseeding and drains. This slippages in progress are mainly on account of grossly inadequate labour deployed by EPC Contractor and there is no justification of slippages.
- (24) The Concrete poured till date is 1,25,920 CM against total of 1,34,130 CM which is about 94 %. PMC was directed to ensure that the pace of concreting is picked up so as to meet the various timelines.
- (25) The Progress on ICT system comprising of Access control, Audio/visual, CCTV, IBMS & SCADA, PA System, Fire Alarm and Data Networking System is lagging. PMC was directed to ensure that orders are placed timely for delivery/installation and commissioning of these systems.
- (26) The Committee noted the overall status of Stage 1C Phase A Construction of Main campus of IIT Jammu and was very unhappy with the present state of slippage of the progress of the various components of project with multiple shifting of completion dates. The Committee was having apprehension that PMC may not meet even the revised timelines for completion of work due to grossly inadequate deployment of skilled and unskilled manpower by EPC

Contractor on various work fronts available at site.

(27) The Committee also directed PMC that unless all out efforts with adequate resources and two shift working is adhered to, it may not be possible to achieve the revised completion targets of various buildings and services.

(28) The BWC enjoined CPWD as PMC to look into their performance evaluation criterion by which agencies are shortlisted. Also, the feedback about the performance of the agency must be recorded in any work certificate issued to the agency.

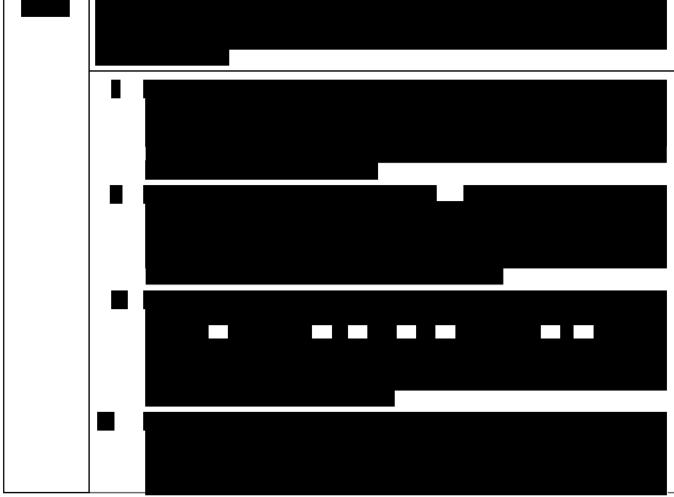
(29) The committee also noted that all post warranty and maintenance contact details of equipment must be shared with IIT Jammu including BG so that necessary follow by the client as end user remain effective.

(30) CPM to take necessary action on the matter and submit action taken for achieving the targets in the next BWC meeting.

21.2.2 Development of Sports field behind dining block and retention measures along the western boundary of IIT Campus including surface erosion protection measures for Hostel block.

i. The Advisor (Projects) IIT Jammu give a presentation on Award of work to M/s Sabeel Ahmad Magray for Rs 4,79,24,764 (-33.11 % below the EC of Rs 7,16,47,129) & progress achieved of Development of sports field behind Dining block and retention measures along the western boundary of IIT Campus including surface erosion protection measures for Hostel Block. The details explained in presentation is in **Appendix AP 21.2.2 at Page 20**.

ii. Building & works committee ratified the proposal of award of work to M/s Sabeel Ahmad Magray & directed to complete the project before time, if possible but surely within the stipulated timelines.



	
21.3	Reporting Items
21.3.1	Civil works:
	Details of following works are intimated for noting:-
	(a) Renewal of lease agreement of M/s Ramacivil India Construction Private Limited with NHAI for 29 kanal land in village Jagti, Jammu for executing the work of IIT Jammu (Phase-1C) at Jagti, Jammu.
	(b) Award of work for Repair of Damaged Boundary wall RCC panels and chain link fencing around the IIT Jagti Campus.
	(c) Award of work for Annual Contract for Maintenance/ Repair, Miscellaneous, Minor, Small and Alteration civil Works at IIT Jammu Jagti and Paloura Campus.
	(d) Construction of Permanent Campus of IIT Jammu Phase A: Stage 1C: Approval of additional cost due to increase in area of sports block.
	(e) Award of work of Procurement, Installation and Commissioning of two electric overhead Travelling (EOT) gantry cranes in civil and mechanical workshop and 4 MT lifting capacity for mechanical workshop in workshop building.
	(f) Removal of Trench crossings on MCW 02.
	(g) Descoping of Seminar Halls Chairs from Existing EPC Contract Agreement of Construction of Permanent campus of IIT Jammu Stage 1C Phase A.
	(h) Descoping of Access Control System from existing EPC Contract Agreement of Construction of Permanent Campus of IIT Jammu Stage 1C Phase A.
	(i) Arbitration award of Providing and Fixing rain water gutter along with PVC down take rain water pipe, Gable and Flashing and end closure flashing to puff panels at II levels on North and South side of Transit Campus IIT at Jagti, Jammu
	(j) Status of Arbitration cases, Seven Nos pertaining to the works of Stage 1A Phase A.
	The Building & Works committee was apprised about all the above works. The committee noted/ratified and approve the same.
21.3.2	Electrical works:
	Award of work "Annual Electrical works for addition & alteration and minor works at IIT Jammu Jagti and Paloura Campus." To M/s Anil Kumar Sharma for an amount of Rs 43,96,162/-
	The Building & Works committee was apprised about all the above work. The committee noted/ratified and approve the same.

21.3.3	Release of funds to Executing Agencies:-
	Disbursement & Acknowledgment of funds amounting Rs 150.06 Crores from Jul 2023 to Dec 2023 month to CPWD/ PMC towards Construction of Main campus of IIT Jammu Stage 1C Phase A.
	The Building & works committee was apprised about the disbursement of funds. The committee noted and ratified the disbursements of funds.
21.4	Any other item with the prior permission of the Chairman.

The meeting ended with thanks to Chair and all members of the Building & Works Committee.
