

# MEMORANDUM OF UNDERSTANDING

Between



National Institute of Advanced Manufacturing Technology, Ranchi  
[Deemed to be University under Distinct Category]

And



Department of Higher Education  
Ministry of Education  
Government of India

For the Year

**2025-26**

# **MEMORANDUM OF UNDERSTANDING**

**Between**

**National Institute of Advanced Manufacturing Technology (NIAMT), Hatia,  
Ranchi – 834 003 [Jharkhand]**

**And**

**Department of Higher Education,  
Ministry of Education, Government of India**

**For the Year**

**2025-26**

This Memorandum of Understanding (MoU) is being signed between

**Department of Higher Education, Ministry of Education, Government of India** (hereafter referred to as “MoE”) as the first party,

**And**

**National Institute of Advanced Manufacturing Technology, Ranchi**, an Institution Deemed to be University under Distinct Category (hereafter referred to as “NIAMT”) as the second party,

with the objective to measure the performance of the Institution on key selected parameters against the targets set to improve the performance on the critical parameters of the organization.

**This MoU has been structured into five parts:**

- Part I:** Mission, Vision and Objectives
- Part II:** Exercise of Enhanced Autonomy and Delegation of Financial Powers
- Part III:** Performance Evaluation Parameters and Targets
- Part IV:** Facilitation/Assistance from MoE
- Part V:** Action Plan of Implementation and Monitoring of the MoU

## **PART – I: MISSION, VISION AND OBJECTIVES**

### **1.1 Vision**

"Accomplishing excellence in the technical education and act as repository and leader for disseminating state-of-the-art knowledge and expertise in the field of materials technology and other relevant/emerging branches of engineering and technology concomitant with industrial growth of the nation; at the same time maintaining and further strengthening its position as a leader in the areas of foundry technology and forge technology"

## 1.2 Mission

Commensurate with the vision the Institute aims at adopting and adapting an academic framework in conformance with knowledge driven sustainable development through the confluence of the underlying spirit of “**Make in India**”, “*Atmanirbhar Bharat*”, and “National Education Policy – 2020 (NEP-2020)”. In this direction the Institute is pursuing necessary reforms in its academic framework as briefly delineated below: -

- Continuing and expanding the **access** to four-tier academic programs involving skill development in Foundry and Forge Technology and Undergraduate and Postgraduate programs in different engineering disciplines like Mechanical, Metallurgical, Computer, Manufacturing, Production & Industrial Engineering.
- Encouraging the **equity** in dissemination of knowledge by promoting skill development of women, tribal people, and local artisans for ensuring a better livelihood and employability.
- Ensuring **affordability** of the academic programs of the Institute for the wider section of the youth population by providing financial support and flexibility in language of instruction under a highly flexible, modular, multi-point-entry and multi-point-exit undergraduate, postgraduate and doctoral programme.
- Continuous enhancement of **quality of the education** and training in contemporary and advanced manufacturing technology areas with latest technical know-how; consultancy, and technical services; indigenization of technology through research & Development packages; offering the facility of documentation; information retrieval services and computer networking to MSMEs and other enterprises; collaboration with national and international industries/Universities/Institutions for development of education and research.
- Adopting the available technology for establishment of **accountability** in the process of imparting training, education, and research in consonance with the spirit embedded in the framework of NEP-2020.

## 1.3 Objective

To establish and to carry on the administration and management of the Institute, and in relation thereto: -

- Establish the training and academic framework of manufacturing technology as the superset of multiple knowledge domains (engineering, mathematics, science, and humanities) across the diploma, undergraduate, postgraduate and Research programs.
- Link the existing manufacturing potential of the country with emerging knowledge and techniques by adopting and adapting activities as of sustainable and circular economy.
- Eliminate language barriers in teaching and training
- Expand the scope of existing potential and infrastructure for skill development existing in the Institute
- Provide facilities for education and research in the areas related to advanced manufacturing in the form of full-time courses, short-term courses, and the like.

- Provide facilities for training of personnel from foundry industry from across the globe.
- Train suitably qualified personnel for industry in the emerging and advanced manufacturing techniques, design, and development.
- Award appropriate diplomas and certificates based on the standards laid down for the course.
- Guide and conduct applied research in the field of advanced manufacturing and to devise techniques called for Indian conditions.
- Institute and award fellowship, scholarships, prizes, and medals in accordance with the Rules and Byelaws.
- Confer honorary awards and other distinctions.

**Part – II: EXERCISE OF ENHANCED AUTONOMY AND DELEGATION OF FINANCIAL POWERS**

- II.1. All powers delegated to autonomous institutes within the purview of MOE are available to the Board of Governors of the Institution (hereafter called the Board) as per the Memorandum of Association & Rules of the Institution.
- II.2. Signing of any understanding MoU by the Institution with any other party including similar organizations abroad would be informed to the MoE and of such an understanding MoU entails any financial liability on Government of India, the approval of MoE will be taken before such signing.
- II.3. The Institution will ensure that the user charges/fees charged by it for its various courses recover the current cost of providing services with reasonable return on capital investment. Any deviation from the principle shall be recorded with reasons justifying the setting of user charges lower than the cost recovery norms. The user charges/fees/ sources of internal revenue generation will be reviewed by the Board of the institution at least once a year. This exercise should be completed before **October 2025**, the time by which the process for Union Annual Budget for **2026-27** is started by the Ministry/ Govt. of India. The rates of fees will be linked with appropriate price indices and will be reviewed at least every three years, with next review in **2025-26**.
- II.4. The institution shall follow the General Financial Rules, 2017 issued by the Department of Expenditure, Ministry of Finance, Government of India in all its financial transactions, including procurement of goods and services.
- II.5. The Institution shall adopt the Public Financial Management System (PFMS) for receipt of all funds from MoE/ Government of India and make all payments through the PFMS to the last mile as far as possible.
- II.6. The Institution shall send to the MoE any information required by it to satisfy any requirement related to Parliamentary Matter, R.T.I., Public Grievances or inputs to policy decision to be taken by the MOE within the time specified by the Ministry.
- II.7. In addition to the above, any other delegation of powers needed will be taken up separately by the Institution with MOE.

### **PART – III: PERFORMANCE EVALUATION PARAMETERS AND TARGETS FOR 2025-26**

- III.1. In fulfillment of its obligations under the MOU, the institution undertakes to achieve certain levels of performance for the year **2025-26**. The performance will be evaluated using the criteria listed at **Annexure - I**. The weights to be attached to each criterion and the criterion values corresponding to different performance ratings are also given therein. The overall score will be calculated through the formula given in the Annexure based on the scores obtained in each parameter.
- III.2. There would also be a negative marking by which the overall score obtained through Annexure - I will be reduced based on penalties listed out in **Annexure - II**.
- III.3. The Consolidated score would be arrived at by reducing the negative score obtained in Annexure - II from the overall score obtained under Annexure - I.
- III.4. The overall rating of the organization would be as given in **Annexure - III** based on the consolidated score obtained in Para III.3 above.

### **PART – IV: FACILITATION / ASSISTANCE FROM THE GOVERNMENT**

- IV.1. The Institution has made the commitment of Performance Evaluation Targets based on certain assumptions in respect of release of grants from the Consolidated Fund of India and raising of other resources, including loan from HEFA for expansion of infrastructural facilities, which has a direct bearing on the performance of the institution committed in this MOU. The commitment of MoE and other possible sources of revenue generation are listed in **Annexure - IV**.
- IV.2. MoE will extend any other facilitation assistance like taking up the matters with the State Government concerned or any Ministry of the Union Government, as and when required.


### **PART – V: ACTION PLAN ON KPI UNDER NEP-2020**

- V.1 Action Plan of the Institute on the Key Performance Indicators under NEP-2020 is given in **Annexure - V**.


### **PART – VI: ACTION PLAN FOR IMPLEMENTATION AND MONITORING OF THE MOU**

- VI.1 Performance Evaluation against MOU parameters shall be carried out every quarter and Monitored by the Institution.
- VI.2 The performance evaluation shall be submitted to the Board on quarterly basis during the Board meetings for intonation. After the Board Meeting the same shall be sent to MoE along with the recommendations of the Board.

**VI.3** A Joint review by the institution and the MoE shall be carried out within 90 days of completion of the financial year. The result of the Joint Review shall be placed before the Board and hosted prominently on the website of the institution.

  
**Prof. Sukumar Mishra,**  
**Director (I/c)**  
**National Institute of Advanced**  
**Manufacturing Technology,**  
**Ranchi**

**निदेशक**  
**Director**  
राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान, राँची-3  
National Institute of Advanced Manufacturing Technology Ranchi-3

  
**Shri Govind Jaiswal,**  
**Joint Secretary(TEL),**  
**Department of Higher Education,**  
**Ministry of Education, Government of India,**  
**Shashtri Bhavan, New Delhi-110001**

(गोविंद जायसवाल)  
**(GOVIND JAISWAL)**  
संयुक्त सचिव/Joint Secretary  
भारत सरकार/Govt. of India  
शिक्षा मंत्रालय/Min. of Education  
उच्चातर शिक्षा विभाग/D/o Higher Education  
शास्त्री भवन, नई दिल्ली/Shastri Bhawan, New Delhi

# Annexure - I of MoU between NIAMT and MoE

## Performance Evaluation Parameters of 2024-25 and Targets for 2025-26

Sl.	Criteria	Existing Levels	Targeted Level	Actual/Achieved (FY 2024-25)		Targeted Level	Unit	Weightage	Excellent	V. Good	Good	Fair	Poor
		(X) [Average of the year 2021-22, 2022-23, and 2023-24]	(Y) FY 2024-25		FY 2025-26								
(1)	(2)	(3)	(4)			(5)	(6)	(7)	(8)	(9)	(10)	(11)	
1	Student Strength						40						
1.1	Adv. Diploma Students Intake	115	115	115	115	No.	10						
1.2	UG Students Intake	720	960	960	1080	No.	10						
1.3	PG Students Intake	292	292	292	292	No.	10						
1.4	Ph.D Students Intake	15	15	15	25	No.	5						
1.5	Teachers Student Ratio	1:17	1:14	1:14	1:13	Ratio	5						
1.6[A]	First rank of JEE mains admitted	34094	15000	42537	20000	No.							
1.6[B]	Last Rank of JEE Mains Admitted	79736	80000	80113	80000	No.							
2	Faculty Position	0					10						
2.1	% of Faculty Position Filled (Regular)	61.51	100.00	72.62	90.00	%	10						

[illegible]



4.3	Median Salary achieved in Placement	11.43	12.00	12.12	12.25	Rs.(in lakh)					
4.4	Median Salary achieved in Placement	UG	7.83	9.00	9.50	10.00	Rs.(in lakh)	4			
		PG	4.01	9.00	0.00	8.00	Rs.(in lakh)	4			
		Ph.D.	0.00	0.00	0.00	8.00	Rs.(in lakh)				
4.5	No. of Ph. D Students graduated	3.67	2.00	1.00	1.00	No.	4				
5	Financial Parameters						16				
5.1	% of total cost recovery by means of Fees and other resources, except MoE funds (Sum of Item 3 in annexure IV)	11.59	13.00	19.62	12.00	%	5				
5.2	Incremental growth in amount of Corpus fund as on 1st July of the year compared to 1st July of previous year	0.00	0.00	0.00	0.00	%	3				
5.3	% Utilization of funds from MOE w.r.t BE/RE	84.10	100.00	100.00	96.00	%	4				
5.4	Gross IRG	347.66	500.00	834.92	560.86	Rs.(in lakh)	2				
5.5	IRG per Student	0.40	0.60	0.99	0.56	Rs.(in lakh)	2				
6	Outreach and Inclusivity	0.00					15				
6.1	Percent of students from other countries	0.00	0.00	0.00	0.00	%					
6.2	% of girls students	10.29	15.00	14.34	15.00	%	5				

6.3	% of Faculty from SC, ST, OBC, EWS	36.93	50.00	40.00	49.00	%	5							
6.4	% of Students from SC, ST, OBC, EWS	34.55	59.50	59.55	59.50	%	5							
6.5	No. of Cases reported related to sexual harassment	0.00	0.00	0.00	0.00	No.								
6.6	No. of Raging cases reported	0.00	0.00	0.00	0.00	No.								
7	Infrastructure Creation (where applicable, in other cases weightage will be zero)	0.00					10							
7.1	Infrastructure Created during the year (in Sq.M)	2150.67	3779.00	4000.00	2000.00	Sq. Mtr.	10							
8	Overall Performance	0					10							
8.1	NIRE Ranking	138	100	150	100	Rank	10							
9	Industry Exposure	0					10							
9.1	Department having 2 or more tie-up with Industry (in %)	100.00	100.00	100.00	100.00	%	5							
9.2	Internship % of students	100.00	100.00	100.00	100.00	%	5							
10	Gross Enrolment Ratio	0.00												
10.1	Year-wise enrolment with 6% yearly increase	61.77	68.00	55.00	60.00	%								
10.2	Year-wise Passing percentage	87.54	90.00	90.42	90.00	%								
11	Employability													
11.1	No. of Industry/skilled courses offered by Institutes	2	2	2	2	No.								

11.2	Number of Industry /skilled courses offered in collaboration with Industry	0	0	0	0	No.						
11.3	Number of students enrolled in these courses	73	90	40	90	No.						
11.4	No. of students completed the Industry/skilled courses	89	38	38	40	No.						
12	Internationalisation of Higher Education											
12.1	Year-wise total count of foreign national's students enrolled in the Institute	0	0	0	0	No.						
12.2	Number of Joint courses offered in collaboration with foreign Institutes and students enrolled in such institutes	0	0	0	0	No.						
13	Conducive Research and Development Ecosystem	0										
13.1	Number of MoU signed with industry for research purpose	2	5	3	5	No.						
13.2	Number of MoU signed for technology transfer	0	1	0	1	No.						
13.3	Number of research published in journals – Scopus/WoS/UGC CARE LIST	59	85	75	85	No.						
13.4	Total No. of Patents filed	2	6	4	5	No.						
13.5	Total no of Patents granted	2	4	0	4	No.						

13.6	Number of start-ups incubated (Registered with DPIIT)	0	3	0	3	No.									
14	Improving quality of Indian HEIs	0													
14.1	Institute Accredited (Y/N)	N/A	Y	Y	Y	Y/N									
14.2	Participated in NIRF (Y/N)	N/A	Y	Y	Y	Y/N									
14.3	NIRF ranking over the last 3 Years	138	100	150	100	Number									
14.4	Teacher-student ratio over the last 3 years	1:17	1:14	1:14	1:13	Ratio									
15	Faculty development														
15.1	Year-wise Teacher Training Program conducted	1	3	3	3	No.									
15.2	Year-wise no. of Teachers participated in the Teacher Training program	10	30	30	30	No.									
16	Digitization														
16.1	Institutes offering online courses	0	0	0	0	No.									
16.2	No. of the students enrolled for such courses	0	0	0	0	No.									
16.3	Samarth ERP solution adopted (Y/N)	N/A	Y	Y	Y	Y/N									
16.4	Number of students enrolled for Swayam/Swayam plus courses	20	50	50	60	No.									
17	Financial														
17.1	Budget Allocated (BE/RE) for this year	44.19	50.00	58.00	50.00	Rs. (in crore)									



## PARAMETERS FOR NEGATIVE MARKINGS

There will be negative marking from the overall score, obtained in Annexure - I, as given below:

### **Summary Report on Negative Marking for National Institute of Advanced Manufacturing Technology, Ranchi**

#### **i) Laying of Annual Report in Parliament**

- a) If Annual Report of 2023-24 submitted to MoE before the start of Winter session, 2024 - Less 0%
- b) If Annual Report of 2023-24 submitted to MoE after 01/01/2025 but before 31/3/2025 - Less 1%
- c) If Annual Report of 2023-24 not submitted to MoE after 31/3/2025 - Less 3%

#### **ii) Submission data of AISHE**

- a) If submitted in 2023-24 within the last date fixed for the same - Less 0%
- b) If submitted in 2023-24 but after last date fixed for the same but before 31/03/2024 - Less 1%
- c) If not submitted in 2023-24 by 31/3/24 - Less 3%

#### **iii) Holding of Meeting of Board at least once a quarter (Other Institutions may mention their own Management bodies)**

- a) If Board meeting held once in a quarter, with at least 4 meeting in a year - less 0%
- b) If Board meeting not held in any quarter, but 4 meetings held in a year - less 1% for each quarter when Board meeting not held.
- c) If total number of Board Meetings held in year less than 4 - less 4%. Quarters for this parameter mean the periods: Quarter I: April-June Quarter II: July-September, Quarter III: October-December, Quarter IV: January – March

#### **iv) Counselling system in the Institution.**

- a) When a robust counselling system exists and there is not suicide or attempt to suicide - less 0%
- b) When no robust system exists but there no suicide or attempt to suicide - 1%
- c) When a robust counselling system exists but there is at least one suicide or attempt to suicide - less 3%
- d) When no robust counselling system exists but there is at least one suicide or attempt to suicide - less 4%

#### **v) Signing of MoU**

- a) When MoU for 2024-25 signed before 31/03/2024 - less 0%
- b) When MoU for 2024-25 finalized by MoE and Institution jointly but not signed by 31/03/2023 - Less 0.5%
- c) When Mou for 2024-25 neither finalized by MoE and Institution jointly not signed - Less 2%

### **PARAMETERS FOR NEGATIVE MARKINGS**

There will be negative marking from the overall score, obtained in Annexure - I, as given below:

#### **Summary Report on Negative Marking for National Institute of Advanced Manufacturing Technology, Ranchi**

##### **i) Laying of Annual Report in Parliament**

- d) If Annual Report of 2023-24 submitted to MoE before the start of Winter session, 2024 - Less 0%
- e) If Annual Report of 2023-24 submitted to MoE after 01/01/2025 but before 31/3/2025 - Less 1%
- f) If Annual Report of 2023-24 not submitted to MoE after 31/3/2025 - Less 3%

##### **ii) Submission data of AISHE**

- d) If submitted in 2023-24 within the last date fixed for the same - Less 0%
- e) If submitted in 2023-24 but after last date fixed for the same but before 31/03/2024 - Less 1%
- f) If not submitted in 2023-24 by 31/3/24 - Less 3%

##### **iii) Holding of Meeting of Board at least once a quarter (Other Institutions may mention their own Management bodies)**

- d) If Board meeting held once in a quarter, with at least 4 meeting in a year - less 0%
- e) If Board meeting not held in any quarter, but 4 meetings held in a year - less 1% for each quarter when Board meeting not held.
- f) If total number of Board Meetings held in year less than 4 - less 4%. Quarters for this parameter mean the periods: Quarter I: April-June Quarter II: July-September, Quarter III: October-December, Quarter IV: January – March

##### **iv) Counselling system in the Institution.**

- e) When a robust counselling system exists and there is not suicide or attempt to suicide - less 0%
- f) When no robust system exists but there no suicide or attempt to suicide - 1%
- g) When a robust counselling system exists but there is at least one suicide or attempt to suicide - less 3%
- h) When no robust counselling system exists but there is at least one suicide or attempt to suicide - less 4%

##### **v) Signing of MoU**

- d) When MoU for 2024-25 signed before 31/03/2024 - less 0%
- e) When MoU for 2024-25 finalized by MoE and Institution jointly but not signed by 31/03/2023 - Less 0.5%
- f) When MoU for 2024-25 neither finalized by MoE and Institution jointly not signed - Less 2%

**vi) Vigilance cases**

- a) Where disciplinary cases ordered by CVC - less 1% per case
- b) Where criminal prosecution or CBI enquiry ordered by CVC - Less 2% per case. For this purpose, each case would mean each incident on which an enquiry has been done by CVC

**vii) Audit Para**

- a) If less than 50% para/ATN/audit follow up, replied as per audit requirement - less 2%
- b) If less than 100% para/ATN/audit follow up, replied as per audit requirement - less 1%
- c) If 100% para/ATN/audit follow up, replied as per audit requirement - less 0%
- d) If special audit conducted due to major financial irregularities - less 2%

**viii) LIMB Data**

- a) Up to 50% of Court cases data filled and updated in LIMB - less 2%
- b) More than 50% but less than 100% of Court cases data filled and updated in LIMB - less 1%
- c) 100% of Court cases data filled and updated in LIMB - less 0%



**DIRECTOR**

**निदेशक  
Director**

राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान, राँची-3  
National Institute of Advanced Manufacturing Technology Ranchi-3



# **National Institute of Advanced Manufacturing Technology, Ranchi**

## **Annexure - III of MoU between NIAMT and MoE for 2025-26**

### Rating of Institution Based On Consolidated Scores

Performance of the Institutions would be graded based on overall score less the negative score to get the consolidated score. The performance based on the consolidated score would be as follows:

Consolidated Score		Rating
More than	Equal to or less than	
90	100	Excellent
70	90	Very Good
50	70	Good
33	50	Fair
Less than or equal to 33		Poor



**DIRECTOR**

**निदेशक**

**Director**

राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान, राँची-3  
National Institute of Advanced Manufacturing Technology Ranchi-3

**National Institute of Advanced Manufacturing Technology,  
Ranchi**

**Annexure - IV of MoU between NIAMT and MoE for 2025-26**

**Financial Commitment of MoE and Other Sources of Revenue**

- 1 The MoE had allocated the following funds to be released through Consolidated Fund of India in the Year 2025-26:

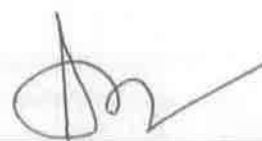
Head of Account	Amount in Lakh
OH - 31 : General, Fellowship and Pension	1800.00
OH - 35 : Capital	1300.00
OH - 36 : Salary	2800.00
Total	5900.00

- 2 Funds from HEFA Loan:

Head of Account	Amount in Lakh
Total Sanction	3082
Funds received till 2024-25	2943
Funds Planned for 2025-26	139

- 3 NIAMT will raise funds from other sources as follows:

Head of Account	Amount in Lakh
User charges in form of Fee	600
User charges other than Fee	25
Alumni Donation	Nil
Extra Mural Funding from other Departments/Ministries of Government of India.	Nil
Extra Mural funding from other sources	Nil
Other resources not covered above	Nil
Total	625



**Director  
निदेशक  
Director**

राष्ट्रीय उन्नत निर्माण प्रौद्योगिकी संस्थान, राँची-3  
National Institute of Advanced Manufacturing Technology Ranchi-3

**NIAMT, RANCHI****Action Plan of the Institute for Achievement of KPI during 2025-26**

Particulars	Performance Indicator for CFTI	Action Plan
<b>Gross Enrolment Ratio</b>	Year-wise enrolment with 6% yearly increase.	Registration of the students under NIAMT, Deemed to be University, will increase the number of enrolment.  The enrolment in M. Tech. courses has consistently reduced during last five years. The M. Tech program will be reviewed and restructure based on the recommendation of a committee constituted by INAE for NIAMT.
	Year-wise Passing percentage	Efforts will be put to ensure 100% passing of the students enrolled in the Institute.
<b>Employability</b>	No. of Industry/skilled courses offered by Institutes	Presently two advanced diploma courses, approved by AICTE, are run by NIAMT. These courses will be included under the framework of Advanced Diploma course under NCVT.
	Number of Industry /skilled courses offered in collaboration with Industry	Presently such courses do not exist. Initiative will be taken for launching such courses as Advanced Diploma course under NCVT in future.
	Number of students enrolled in these courses	Presently the number is 115 per batch. Specific initiatives will be taken to increase the intake of such courses.
	No. of students completed the Industry/skilled courses (25% students should be enrolled for such courses)	The two courses are run since inception of the Institute. About 4,100 students have completed these two courses.
<b>Conducive Research and Development Ecosystem</b>	Signing of MoU with industry for research purpose	The Institute is exploring the scope of collaboration with industries for conducting research in emerging areas.
	Signing MoU for technology transfer	Institute is not yet prepared for technology transfer initiatives.
	Publication of research papers in journals (Scopus/Web of Science/UGC CARE LIST)	Institute is encouraging faculty members to undertake sponsored collaborative research programme for enhancement of number and quality of publications.
	Filling and grant of Patents	Institute is encouraging and providing financial support to faculty members to file patents.
	Incubation of start-ups (Registered with DPIIT)	The Institute established a DST-NIDHI funded (Rs. 3.9 crore) inclusive Technology Business Incubation centre (ITBI) to promote incubation of start-ups.

  
DIRECTOR  
निदेशक  
Director

राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान, राँची-8  
National Institute of Advanced Manufacturing Technology Ranchi-8