## MEMORANDUM OF UNDERSTANDING

Between

National Institute of Advanced Manufacturing Technology (NIAMT), Ranchi

And

Department of Higher Education,

Ministry of Education, Government of India

For the Year

2022-23

This Memorandum of Understanding (MoU) is being signed between

The first party, Department of Higher Education, Ministry of Education, Government of India (Hereafter referred to as "MoE")

And

The second party National Institute of Advanced Manufacturing Technology, Ranchi (Hereafter referred to as "NIAMT")

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 Bhard', 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

thereto: -

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

- 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

- 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.
- 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.
- 3. The Institution will ensure that the user charges/fees charged by it for its various coursesrecover the current cost of providing services with reasonable return on capital investment. Anydeviation 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 2022, the time by which the process for Union Annual Budget for 2023-24is 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 2022-23.
- 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.
- 5. The Institution shall adopt the Public Financial Management System (PFMS) for receipt of allfunds from MoE/ Government of India and make all payments through the PFMS to the last mile as far as possible.
- 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.
- 7. In addition to the above, any other delegation of powers needed will be taken up separately bythe Institution with MOE.

## PART – III: PERFORMANCE EVALUATION PARAMETERS AND TARGETS FOR 2022-23

- 1. In fulfillment of its obligations under the MOU, the institution undertakes to achieve certainlevels of performance for the year 2022-23. 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.
- 2. There would also be a negative marking by which the overall score obtained through Annexure Iwill be reduced based on penalties listed out in **Annexure II**.

- 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.
- 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

- 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.
- 2. MoE will extend any other facilitation assistance like taking up the matters with the StateGovernment concerned or any Ministry of the Union Government. as and when required.

### PART -V:ACTION PLAN FOR IMPLEMENTATION AND MONITORING OF THE MOU

- 1. Performance Evaluation against MOU parameters shall be carried out every quarter and Monitored by the Institution.
- 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.
- 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. P. P

Director

National Institute of Advanced Manufacturing Teatingles, Ranchi

Director

राष्ट्रीय उन्नत विनिर्माण प्रौद्योगिकी संस्थान, राँची-3 National Institute of Advanced Manufacturing Technology, Ranchi-3 Ms. SaumyaGupta
Joint Secretary (NITs),
Department of Higher Education,
Ministry of Education,

Ministry of Education Government of India

(सीम्या गुरा) (SAUMYA GUPTA) संग्रस साम्य/Joint Secretary भारत करकार/Goyt, of India शिक्षा नेजाराय/Min. of Education प्रस्तर सिंगा विभाग/Dio Higher Education

PERFORMANCE EVALUATION PARAMETERS AND TARGETS 2022-23

1.3	1.2	en di La Espaisa de	1	a Deally ages to	Z <sub>o</sub> ,	Ξ	SI.	
PG Students Intake	Diploma (includes lateral entry students)	UG Students Intake Degree (includes lateral entry student	Student Strength	etry X moyth a previous action of the state		(2)	Criteria	
ZI.	144	106		Average of years 2019-20, 2020-21 and 2021-22 (X)		(3)	Existing Le vel	
Z	210	180		2022-23 (Y)	10-2	(4)	Targeted Level	
				ATOTER BUSINESS	HUEN	(5)	Unit	
	10	10	(30)		modeli nemi m	(6)	Weightage	
	00		(24)	Imations  LA Are Mily enqu	anife Tunife	Carri	GKCIET Weight	M <sub>1</sub> a
				Reached the f igure Y, i.e. Target as giv en in Col.4	Excellent (10 Pts)	9	1	
	8 (69%)			Less than Y but Reac hed Figure =X+0.8*( Y-X)	V. Good ( 8(Pts)	(8)	2	3.5
		6 (59%)		Less than fig ure in Col. 8 but Reached figure=X+0. 6* (Y-X)	Good (6Pts)	(9)	( tu 2 )	Criteria Value
	65			Less than fig Less than Fig ure in Col. 8 ure in Col. 9 but Reached but Reached figure=X+0, Figure=X+0, 6* (Y-X) 4* (Y-X)	Fa (	(10)	4	ue
				Less than Figure=X +0.4*(Y- X)	Poor ( 2Pts)	(11)	Uı	

3.5	3,4	در) درا	3.2	3.1	ću	2.1	2	[8]5.1	1.5[A]	1.5	1.4
Total revenue accruing to the Institution (as distinct from to individual faculty) through Research/Consultancies	Patents granted and licensed per Faculty	Patents filed per Faculty	Quality Publications per Facult y	Publication per Faculty	Research and Professional Pr	% of Faculty Position (Regular) filled	Faculty Position	Last Rank of JEE Mains Admitt ed	First Rank of JEE mains admitted	Teacher Student Ratio	Ph.D. Intake
6964000 (In collaboratio n with GKC IET, VIT an d NERIST)	0.1	0.1	12.60	9		83%		836,621	87,467	1:10	NE
1	ı	#	2	3		100%		6,00,000	55,000	1:12 (as appro ved by Cabine t)	ZE
			10	10	(20)	10	(10)			10	
			10	10	(20)	œ	(8)			10	
			10	10							
	*		ei .			00					

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5.2	5.1	U)	<u>4</u> دن	4.2	4.1	4-
Incremental growth in amo unt of Corpus fund as on 1 <sup>s</sup> <sup>t</sup> July of the year compared to 1 <sup>st</sup> July of previous year	%of total cost recovery by means of fees and other res ources, except MoE funds (Sum of Item 3 in Annexur e IV)	Financial Parameters	No. of Ph. D Students grad uated (In collaboration with GK CIET, VIT University and Tezpur University)	Median salary achieved in placements (UG)	Combined % of placement s, higher studies and entrep reneurship for academic se ssion (UG)	Graduation Outcome
69.28% (GI A)	3.04%		6	2.4 Lakhs	81%	
69.28% (GI A)	6%		2	1	100%	
10	10	(30)	10		10	(20)
10	σ,	(26)	01		00	(18)
10			10			
					00	
	6 (50.66%)					

			r		1	
6.3	6.2	6.1	6	S. S.	5.4	55
%of faculty from SC, ST, OBC, EWS	Percentage of girl students	Percentage of students fro m other countries	Outreach and inclusivity	IRG per Student	Gross IRG	% Utilization of funds rece ived from MoE w.r.t. to be BE/RE
51%	15%	NIL		0.126 Lakhs   0.49 Lakhs	90.39 Lakh	8917.26/939 5.00( Lak h ) 94.91%
50%	20%	NIL		0.49 Lakhs	350 Lakhs ( Hostels bein g opened)	100% (2022-23)
10	10		(30)			10
10	00		(28)			10
10						10
	8 (75%)			h		
					-	

∞	7.1	7	6.6	6.5	6.4
Overall Performance	Infrastructure created durin g the year (In sq. Meter)	Infrastructure creation ( where applicable, in othe r cases weightage will bc zero)	No. of ragging cases report ed	No. cases reported related t o sexual harassment	% of students from SC, ST , OBC, EWS
	11927 squar e meter		NIL	NIT	48.35%
	11927 squar 14846 square e meter   meter				50%
					10
					10
					10

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		-			
		ı			
			9		
		10			
	(16)	10	9	140	87.5
	(20)	10	10	160	100
7					
500 (likely to be qualified to par ticipate from 2023-24 onwa rds) Secured ARIIA Band Promi sing Rank		100%	100%		
(likely to be of ticipate from re Secured ARI sing		100%	%09		
NIRF Ranking	Industry Exposure	Department having 2 or m ore tie-up with Industry (in %)	Internship % of students	Total	Total out of 100
				-	

# Parameters for Negative markings - Annexure II

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

	Parameters	NIAMT performance
a. b.	Laying of Annual Report in Parliament  If annual report of 2020-21 submitted to MOE before the start of Winter session, 2021 - less 0%  If annual report of 2020-21 submitted to MOE after 1/1/2022 but before 31/3/22 - less 1%  If annual report of 2020-21 not submitted to MOE by 31/3/22 - less 3%	0%
b.	Submission of data for AISHE  If submitted in 2020-21 within the last date fixed for the same – less 0%  If submitted in 2020-21 but after last date fixed for the same but before 31/03/21 – less 1%  If not submitted in 2020-21 by 31/03/21 – less 3%	0%
b. c. Qı Ju	Holding the meeting of Board at least once a quarter (other institutions may mention their own Management bodies)  If Board meeting held once in a quarter, with at least 4 meetings in a year – less 0%  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  If total number of Board meetings held in a year less that 4 – less 4%  uarters for this parameter means periods: Quarter I: Aprine; Quarter II: July-September; Quarter III: October ecember; Quarter IV: January-March	il-

		Counselling in place, 0%
iv.	Counselling system in the institution	counseiting in piaces, 070
a.	When a robust counselling system exists and there is no	
	suicide or attempt to suicide – less 0%	
b.	When no robust system exists but there is no suicide or	
	attempt to suicide – less 1%	
c.	When a robust counselling system exists but there is at	
1	least one suicide or attempt to suicide – less 3% When no robust counselling system exists but there is at	
a.	least one suicide or attempt to suicide – Less 4%	
	least one suicide of attempt to swinder Boss 174	
	10	0.50/
V.	Signing of MoU	Less – 0.5%
a.	When MoU for 2021-22 signed before 31/03/21 – less	
	0%	
b.	When MoU for 2021-22 finalised by MOE and institution	
	jointly but not signed by 31/03/21 – less 0.5%	
c.	When MoU for 2021-22 neither finalised by MOE and	
	institution jointly nor signed – less 2%	
vi.	Vigilance cases	0%
0	Where disciplinary cases ordered by CVC - less 1% per	
a.	case	
b	Where criminal prosecution or CBI enquiry ordered by	
0.	CVC – less 2% per case	
II.	or this purpose, each case would mean each separate	
in	cident on which enquiry has been done by CVC	
vii.	Audit para	0%
		1000/ audit nare realied as
a.	If less than 50% para/ ATN / audit follow up, replied as	100% audit para replied as per audit requirement.
	per audit requirement – less 2%  If less than 100% para/ ATN / audit follow up, replied as	
Ь.	per audit requirement – less 1%	
C.	is the live and anterest due to major financial	
	irregularities – less 2%	
		004
viii.	LIMB Data	0%
a	. Upto 50% of Court cases data filled and updated in	
	LIMB –less 2%	
	b. More than 50% but less than 100% of Court Cases dtata	1
	filled and updated in LIMB – less 1%	
	iniod and apatited in 201125 1008 174	

# Rating of institution based on consolidated scores - Annexure III

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

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

# Consolidated score of NIAMT, Ranchi& Rating

Total Score achieved by NIAMT-Ranchi = 140/160 =87.5% (as per Annexure-I)

Less negative Score of 4.5 % = 4.5% of 87.5=3.94 (as per Annexure – II)

Consolidated Score = 87.5% of 3.94 = 83.56

Rating = VeryGood

### MoU between NIAMT and MoE for 2022-23

# Financial Commitment of MoEand Other Sources of Revenue

1. The MoE would allocate the following funds to be released through consolidated Fund of India in the Year 2022-23:

Budget Estimate (BE): Revenue

Rs. 32.50 Crore (OH 31 (Non

Salary) + OH 36 (Salary))

Capital

Rs. 7.00 Crore (OH 35)

(Creation of Assets)

Total BE = Rs. 39.50 Crore

2. Funds from HEFA Loan:

Head of Account	Amount in Lakh
Total Sanction	3082
Fundsreceivedtill2021-22	1480
FundsPlannedfor2022-23	1602

3. NIAMT will raise funds from others our cesas follows:

HeadofAccount	AmountinLakh
User charges in form of Fee	380
User charges other than Fee	20
Alumni Donation	Nil
ExtraMuralFundingfromotherDepartments/MinistriesofG overnmentofIndia.	Nil
Extra Mural funding from other sources	Nil
Other resources not covered above	Nil
Total	400