




Standard Operating Procedures and Performa for Research Activities

DHR-Multidisciplinary Research Unit (MRU)


Dr. Sushil Kumar Shukla
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Introduction of Multi-Disciplinary Research Unit (UMRU):-


Government of India, in July, 2013, approved the scheme for 'Establishment of Multi - Disciplinary Research Units (MRUs) in the Government Medical Colleges/Research Institutions' during the 12th Plan period as a path-breaking initiative to develop/strengthen the health research infrastructure in the country to full-fill the newly allocated function of the Department related to the "Promotion, Coordination and Development of Basic, Applied and Clinical Research in Government Medical Colleges and Research Institutions.

Visions and Objective for the Establishment of Multi-disciplinary Research Unit: To promote and encourage quality medical research in the Medical Colleges/Institutions.

- Undertaking of clinical trials by MRUs as per the Allocation of Business Rules of Government of India.
- Undertaking of Multi Centric Research Projects by MRUs, Medical Colleges, and Research Institutes.
- Encouraging and strengthening research environment in medical colleges by establishing MRUs.
- Bridge the gap in the infrastructure which is inhibiting health research in the Medical Colleges by assisting them to establish disciplinary research facilities with a view to improving the health research and health services.
- Capacity building and human resource development in the field of health research.
- Ensuring geographical spread of health research infrastructure in medical colleges/research institutes by gradually establishing MRUs
- Improving overall health status of the population by creating evidence-based application of diagnostic procedures/processes/methods.

Major thrust area of Research: The major thrust area of Research in accordance with DHR guidelines is as follows:

- Diabetes
- Cardiovascular Disease
- Stroke
- Cancer (Oncology)
- Chronic Lung Disease
- Neurogenerative disorders
- Maternal and Child Health
- Public Health
- Elderly and Palliative Care
- Mental Health and substance use
- Occupational Health
- Dental Health
- Hematopoietic disorder
- Genetics
- Infectious disease
- Nutrition, etc


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The Multi-disciplinary Research Unit (MRU) is sanctioned to Uttar Pradesh University of Medical Sciences (UPUMS), Salfal, Etawah, Uttar Pradesh-206130 on 24th Sep- 2016. A memorandum of agreements was signed between State Government of Uttar Pradesh, UPUMS and Department of Health Research (DHR), New Delhi with the following Strategies and obligations as follows:

Strategies:

- To assist in the development of infrastructure in the State Medical College (SMC) by establishing MRU
- To assist the SMC in the running of the MRU for an initial period of five years. Now, it is extended up to the Financial year 2021-22 to 2026-26 according the Standing Finance Committee chaired by Secretary (DHR) in its meeting on 16.03.2021.

Obligation of Uttar Pradesh University of Medical Sciences

With a view to achieving the aforementioned objectives, the State Government (SG)/ State Medical College (SMC) agree to discharge the following responsibilities:

- To provide space of mutually agreed dimensions ranging between 2500-4000 Sq. Ft., (approx 300 sq. mtr) free of cost, in the premises of the SMC (State Medical College) for the establishment of the MRU.
- To implement the scheme as per the guidelines provided by the Department of Health Research (DHR). (Annexure-I)
- To constitute Local Research Committee (LRAC), which would identify the research priorities and projects in consultation with the DHR.
- To run the MRU after the expiry of a period of 5 years from the date of commencement of this MOA (Memorandum of Agreement) with all the associated responsibilities with respect of all financial, scientific and management of staff.
- To maintain separate account for the funds received from the DHR under the scheme.
- To submit the Utilization Certificate in the prescribed format as per the General Financial Rules for the funds received under the scheme, including the interest earned thereon.
- To have the accounts for the funds provided under the scheme audited as per the provisions of the statutory audit applicable to the concerned Medical College under the State Government policy.
- Constitute Committees and regularly monitor the project implementation.

Obligation of Department of Health Research, MoHFW, Govt. of India

With a view to achieving the objectives, the DHR agrees to discharge the following responsibilities:

- To provide a onetime grant not exceeding Rs 5.25 crores to the SMC comprising Rs.25 lakhs for civil works for modification/renovation and Rs.5.00 crores for the procurement and installation of the equipment as described in Appendix -1 to this MOA needed for the establishment of the MRU in the SMC.
- To provide financial assistance to the SMC 19.23 lakhs per annum to meet the cost on engaging the services of technical manpower on contractual basis (on consolidated remuneration) and Rs.15 lakhs per annum towards consumables/training/contingencies for the running of the MRU for a period of 5 years.
- To have the scheme implemented with the technical support of Indian Council of Medical Research (ICMR) through appropriate expert committees for regular review and monitoring of the scheme.


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- Constitute committees for screening, evaluation, approval and monitoring of schemes.

FUNDING/FINANCIAL ASSISTANCE FOR THE PROJECT:

As per MOA, one-time total Grant Rs. 5.25 Crores will be provided to each Government Medical College/Institution for setting up of modern biological lab/multi-disciplinary research unit, which is to be bifurcated as follow:

Civil Work (minor civil works for modifications/renovation in the space to be provided by the State Medical College)	25 lakhs
Equipment grant*	5 crores

- The proposed grant-in-aid of Rs.5.00 crores towards equipment would be given in three installments of Rs.1.00 crore, Rs.2.00 crore and Rs.2.00 crore. The first installment of Rs.1.00 crores shall be released after approval of the project proposal by DHR. The release of 2nd installment and 3rd installment would be linked to the performance of the MRU in respect of laid down markers/milestones.

****As per the Guidelines for Establishing Multi-Disciplinary Research Units (MRUs) in the Government Medical Colleges/Research Institution during the 15th Finance Commission Period (2021-22 to 2025-26). The scheme provides revised grants-in-aid of Rs. 2.00 crore for purchase of equipment by MRUs. However, proposals for grant in excess of Rs.2.00 crore for purchase of equipment recommended by the Medical College/Research Institutes/LRAC may be considered by the Department with the approval of the Secretary (DHR) on case-to-case basis taking into account the merits of the proposal.***

- Financial assistance for meeting the recurring expenditure towards staff to be engaged on contractual basis (on consolidated remuneration) and towards consumables/training/contingencies will also be provided for a period of five years to each medical college/institution which are as follows.

Salary for the Staff engaged*	19.23 lakh
Consumables/training/contingencies *	15.00 lakh

****As per the guidelines for establishing Multi-disciplinary Research Units (MRUs) in the Government Medical Colleges/Research Institution during the 15th Finance Commission Period (2021-22 to 2025-26). The scheme provides revised grant-in-aid of Rs 28 lakh for salary of MRU staff and Rs. 20 lakhs for contingency.***

- The financial assistance towards recurring expenditure on staffing, consumables/training/contingencies would be started from the second year of the sanctioning of the project.

- The equipment for each medical college/institute would be need-based, as per requirements of projects to be undertaken and would be selected from a broad list of equipment listed in Annexure-I.
- The mechanism of flow of funds will be as per the procedures followed by the Department of Health & Family Welfare in respect of similar schemes.
- The local research committees would identify the research priorities and projects at medical college level. The quality of research work would be monitored by the Evaluation Committee constituted by the DHR.
- The State Government will be required to provide requisite space (free of cost) for establishment of MRUs in the Medical Colleges.
- The State Governments shall be required to enter into a Memorandum of Agreement (MoA) with the DHR for running the MRU as also for taking over the liability of the MRU after the five-year duration of the project.
- No regular staff would be engaged at the MRUs and these labs will be managed by contractual staff only. The approved complement of core staff for each MRU is given at Appendix-II.

Annexure-I

List of equipment with cost under Multidisciplinary Research Units (MRU)

SN	NAME OF EQUIPMENT	QUANTITY	UNIT COST	TOTAL COST
GENERAL BASIC EQUIPMENTS				
HAEMATOLOGY ANALYZER				
1	3 part analyser	1	1000000	1000000
2	5 part analyser	1	2000000	2000000
3	Auto analyser	3	1200000	3600000
4	Tissue processor	1	400000	400000
5	Cryostat	1	200000	200000
MICROSCOPE				
1	Microscope (Binocular-light)	5	100000	500000
2	Microscope (inverted)	1	1500000	1500000
3	Microscope (Fluorescent)	2	2000000	4000000
4	Microscope (trinocular)	1	1000000	1000000
CENTRIFUGE				
1	Table top non refrigerated centrifuge	2	50000	100000
2	Table top refrigerated centrifuge	2	400000	800000
3	Microfuge (refrigerated)	2	400000	800000
4	Ultra centrifuge	1	200000	200000
REFRIGERATED & DEEP FREEZERS				
1	Ordinary freezer	2	50000	100000
2	Mini-cold lab	1	1000000	1000000
3	(-20 degree) freezer	2	300000	600000
4	(-70 degree) freezer	2	400000	800000
	TOTAL			


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SN	NAME OF EQUIPMENT	QUANTITY	UNIT COST	TOTAL COST
MOLECULAR BIOLOGY LAB				
1	High Pressure Liquid Chromatography	1	2500000	2500000
2	Gas Chromatography Mass Spectrophotometer	1	7000000	7000000
3	Thermal cycler	1	600000	600000
4	Microfuge	1	100000	100000
5	Centrifuge	1	50000	50000
6	Ordinary refrigerator	1	30000	30000
7	Bio-safety cabinet	1	150000	150000
8	Refrigerator (-20 degree)	1	300000	300000
9	Water bath	1	150000	150000
10	Gel doc	1	1000000	1000000
11	Hybridization system	1	500000	500000
12	Microwave oven	1	25000	25000
13	Electrophoresis (Horizontal, vertical, western)	1	1500000	1500000
14	Gel dryer	1	300000	300000
15	Spectrophotometer (Nano drop)	1	400000	400000
16	Real time PCR	1	3000000	3000000
17	pH meter	1	200000	200000
18	Electronic weighing balance	1	100000	100000
19	Vortex mixers	2	50000	100000
20	Ice flaking machine	1	30000	30000
21	Micro pipettes	8 sets	30000	240000
22	Liquid N2 tank	1	100000	100000
23	CO2 cylinder & regulator	1	50000	50000
1	WATER PURIFICATION SYSTEM (MILLIPORE WITH PRE PURIFICATION & SOFTENER)	1	200000	200000
	TOTAL			

SN	NAME OF EQUIPMENT	QUANTITY	UNIT COST	TOTAL COST
STERILIZATION ROOM				
1	Autoclave	3	1500000	4500000
2	Hot air oven	2	100000	200000
	ELISA READER			
1	Reader	2	600000	1200000
2	Washer	2	200000	400000
HISTOPATHOLOGY SECTION				
1	Microscope	1	100000	100000
2	Microtome	1	300000	300000
3	Cryostat	1	200000	200000
4	Automatic tissue processor	1	500000	500000


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5	Electronic weighing balance	2	50000	100000
SN	NAME OF EQUIPMENT	QUANTITY	UNIT COST	TOTAL COST
CYTOGENETICS LAB				
1	Fluorescent microscope with software	1	2000000	2000000
TISSUE CULTURE LAB				
1	Biosafety (laminar hood) cabinet	1	150000	150000
2	CO2 incubator	1	300000	300000
3	Automatic pipettes	1	75000	75000
4	Inverted microscope	1	500000	500000
5	Table top centrifuge	1	50000	50000
6	Positive Pressure filtration system	1	400000	400000

SN	NAME OF EQUIPMENT	QUANTITY	UNIT COST	TOTAL COST
MINOR EQUIPMENT				
1	Magnetic stirrer	1	3000	3000
2	Multi-channel micropipettes (variable) autoclave	4 sets	40000	160000
3	Vortex	1	50000	50000
4	Electronic Ph meter	1	200000	200000
5	Tissue homogenizer	1	250000	250000
6	Ultra sonicator	1	200000	200000
7	Incubator	2	100000	200000
8	Shaker incubator	1	150000	150000
9	Ice flaking machine	1	30000	30000
	COMPUTERS AND ACCESSORIES WITH INTERNET FACILITY	2	100000	200000
GRAND TOTAL				5,00,80,000**


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Annexure-II

Core staff to be provided at each MRU (to be engaged purely on contractual basis)

Sr. No.	POST	No. of Posts
1	Research Scientist-II (Scientist C)	01
2	Research Scientist-I (Scientist B)	01
3	Lab Technician	02
4	Lab Assistant/DEO (Grade 'A')	01
	Total	05

The following staffs have been recruited in MRU in Year 2023.

Sr. No.	Name	POST	Highest qualification	Date of Joining
1	Dr. Arbind Kumar	Research Scientist-II (Scientist C)	Doctorate	27 th Jan-2023
2	Dr. Balwant Singh Paliya	Research Scientist-I (Scientist B)	Doctorate	19 March-2025
3	Chandani Yadav	Lab Technician	Graduate	23 rd March-2023
4	Nand Kumar Yadav	Lab Assistant/DEO (Grade 'A')	Graduate	27 th March-2023
5	Prashant Chaturvedi	Total	Graduate	23 rd Jan-2023

AUDIT REQUIREMENT AND UTILIZATION OF CERTIFICATES

The audit of accounts of the MRUs would be done as per GFR provisions. The State Government/the concerned Medical College would be required to furnish the Utilization Certificate for the funds received under the project in accordance with the provisions of the GFRs (FORM GFR 12A).

Operational and Monitoring Mechanism of MRU

The MRUs are mandated to undertake research primarily in Non-Communicable Diseases; other need-based projects may, however, be undertaken as warranted and with the approval of the Competent Authority.

Progress of research work of MRUs will also be closely and regularly reviewed by DHR and an Expert Committee of DHR. Besides, visits by experts and officials of DHR will also be undertaken to have on the spot view of progress of MRUs.

MRUs will also be subject to all the prescribed internal/statutory audit checks and inspections etc


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The MRUs would be expected to submit periodic progress reports to the ICMR/DHR. The NITI Aayog have prepared an Output outcome Monitoring framework (OOMF) for the central sector scheme for the establishment of MRU. The MRU is required to furnish quarterly progress reports in the performance indicators prescribed Annexure III and IV.

Annual progress report is to be submitted into DHR at the end of financial Year in the prescribed format of DHR (Annexure V).

For operating MRU in medical college/Research Institute, Local Research Advisory Committee (LRAC) and Executive committee are to be constituted which would consider and approve research proposals received from different Departments of the college/Research Institutes. LRAC would also monitor progress of research proposals in the college. It will work as Recommendatory Body for all proposals of the Medical College to be pursued through its MRU.

Composition of LRAC is for considering the Research Proposals in Multi-Disciplinary Research Units as follows:

1	Chairperson	External Medical Expert, preferably Professor level from reputed Research Institution/University
2	Co-Chairperson	External Medical Expert, preferably Professor level from reputed Research Institution/University
3	Three Clinicians/ Academicians	One External and Two Internal with expertise in Non-Communicable Diseases – one Expert specializing in the disease identified in Research Project.
4	One nominee of State Health/ Medical Education Deptt	
5	One nominee from ICMR HQ or nearest ICMR Institute	
6	Member Secretary	Nodal Officer, MRU

- LRAC meeting should be held at-least every 6 months to review the new proposal and monitor the progress of ongoing proposal against the Projects specific outcomes and timelines proposed by the principal Investigator of this project
- LRAC shall be reconstituted with half of the member changing every three years to ensure rotation of all members.
- The maximum tenure of any members should not exceed beyond 06 years.

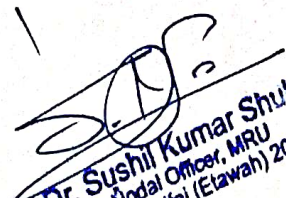

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The Local Research Advisory Committee (LARC) to approve the research project under MRU, UPUMS is constituted as under:-

S. No	Designation in RAC	Name, designation, and Organization
1	Chairperson	Dr. C.M Singh, Director, Dr. Ram Manohar Lohia Institute of Medical Sciences (RMLIMS), Gomti Nagar, Lucknow
3	Co-Chairperson	Dr. D. S. Martolia, Head and Professor, Community Medicine, GMC, Kannauj
4	NCD Expert (External)	Dr. Tej Pal Singh, Professor, Department of Medicine, Sarojani Naidu Medical College, Agra
5	NCD Expert (Internal)	Dr. Rama Kant Yadav, Pro-Vice Chancellor and H.O.D. Neurology, UPUMS, Saifai, Etawah
	NCD Expert (Internal)	Dr. Dhiraj Kumar Srivastava, Professor, Department of Community Medicine, UPUMS, Saifai, Etawah
6.	Nominee of State Health Department	Dr. Avijit Kumar Awasthi, Senior Consultant, Intermediate reference Laboratory, State TB and Demonstration Centre, Mot Kutra Road, Agra
7.	Nominee from nearby ICMR	Dr. Neha Mishra, Scientist C, NJIL&OMD Agra
9.	Member Secretary/ Nodal Officer-MRU	Dr. Sushil Kumar Shukla, Professor, Department of Community Medicine, UPUMS, Saifai, Etawah

Composition of Executive Committee is for considering the Research Proposals in Multi-Disciplinary Research Units as follows:

1	Chairperson	Director/ Principal/ Dean Research of the Institute
2	Three Faculty members	Three- one each from preclinical, para-clinical and one from clinical department (preferably one either form medical or surgical department)
3	Nodal Officer of MRU	Faculty Nominated by Head of Institute

1

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The Function of Executive committee (EC) shall be to

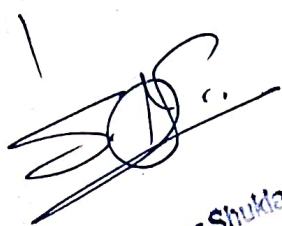
- Establish the Mechanism for receiving proposal from faculty
- Encourage wide participation of different department in proposal submission to MRU
- Review Proposal for presentation to LRAC for finalization/selection/ or otherwise.
- Oversee the distribution of contingencies funds for activities for MRU and support LRAC approved projects.

The working mechanism of executive committee shall be as under

- The EC will meet every quarter. Minutes of quarterly meeting should be communicated to LRAC
- Participate in LRAC as observers (Except Nodal Officer who is Member secretary of LRAC)
- All decision of EC shall be by majority
- The Term of EC shall be Four Years

The Executive Committee approve the research project under MRU, UPUMS is constituted as under: -

1	Chairperson	Prof. (Dr.) P.K. Jain, Vice Chancellor, UPUMS
2	Faculty expert from Para-clinical Department	Dr. Savita Agarwal, Dept of Pathology, UPUMS, Saifai, Etawah
3	Faculty Expert from pre-clinical Department	Dr. Gagandeep Kaur, Assoc. Professor, Dept of Community Medicine, UPUMS, Saifai Etawah
4	Faculty Expert from Clinical Department	Dr. Muniba Alim, Assistant Professor, Department of Pediatric, UPUMS, Saifai Etawah
5	Nodal Officer of MRU	Dr. Sushil Kumar Shukla, Department of Community Medicine, UPUMS, Saifai, Etawah

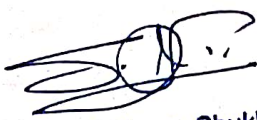

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Name of MRU:

Period of Report:

OOM Target for MRUs for the F.Y.		Target of MRUs					Achievements at MRUs			
Output	Indicators	(F.Y.)	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1. Creation of infrastructure and enabling environment for research at Medical Colleges	1.1. Number of Research Projects approved by LRAC in MRUs									
	1.2. Number of Research projects that obtained required funding									
	1.3. Number of Research Projects initiated									
Outcomes	Indicators									
2. Research Unit at Medical Colleges: Operationalization of Multi-Disciplinary Research Units at Medical Colleges	2.1. Number of Research studies completed at MRU									
	2.2. Number of Research Publication from MRU									
	2.3. Number of new technologies/ guidelines/processes/ patents developed as a result of Research by MRU									


 Name of Nodal Officer (with seal)


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DARPAN DASHBOARD (2023-24)

Name of MRU:

Period of Report:

Key Performance Indicators	Achievements	Remarks
Number of Publications		
Number of MRUs		
Number of Research Projects		
Funds Released		

Signature

Name of Nodal Officer (with seal)



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Annual progress report of Multi-Disciplinary Research Unit (MRU)

1. Name of the State:
2. Name of the Medical College/Institution:
3. Date of Report:
4. Name, Designation, Phone number and e-mail ID of nodal person:

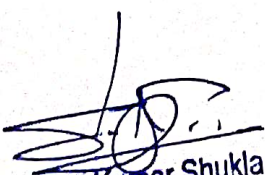
S.No.	Particulars	Information	Remarks/comments, if any of Review Team
A	Whether Guidelines & Sanction Order for the Scheme has been received		
B. FINANCIAL			
Grant Received			
1.	Total amount of grant received (year-wise)		
2.	Out of (i) above, amount for Renovation/civil works.		
3.	Out of (i) above, amount for equipment		
4.	Interest accrued on the grant		
6.	Whether Interest amount has been returned to DHR		
7.	Whether separate books of accounts maintained for MRU		
8.	Whether research section/cell exists in the college for administration of research grants		
Expenditure Incurred			
6.	Expenditure incurred on Renovation/civil works		
7.	Expenditure incurred on equipment.		
8.	Whether UC/SOE for the grant received furnished to ICMR/DHR in GFR 12C		
9.	Details of UCs pending from other departments and action taken to settle the same.		
C. CIVIL WORKS			
1.	Whether space allocated for MRU is at least 300 sq mtr.		
2.	Status of Preparation of <ul style="list-style-type: none"> ▪ Detailed layout/design ▪ Cost estimates for renovation/ civil works. 		

3.	Status of completion of formalities for award of work for renovation/civil works and the name of the executing agency		
4.	Likely date for completion of Renovation/ Civil Works		
D. EQUIPMENT			
1.	Number of equipment purchased List to be attached.		
2.	Number of equipment purchased out of the list given in the guidelines. List to be attached.		
3.	Timelines for placement of orders for procurement of equipments with clear delivery schedule.		
4.	Plan for annual maintenance of the equipments (i.e. whether provision made for extended warranty period, etc.)		
5.	Whether a Register for permanent and semi-permanent assets maintained in the prescribed format under the GFRs		
E. STAFFING			
1.	Whether advertisement issued for the recruitment of contractual staff for MRU. If so, date of advertisement. If not, reasons therefor?		
2.	Date of submission of applications.		
3.	Date of interview to be held.		
4.	Whether selection made for the staff.		
5.	Likely date by which appointment letters to be issued.		
6.	Likely date by which incumbents are expected to join.		
7.	Present staff strength, list to be attached		
F. RESEARCH ACTIVITIES			



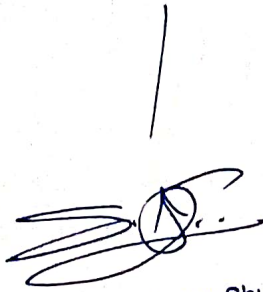
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1.	Action Plan for initiating research activities pending completion of infrastructure/procurement of equipment (like development of concept proposals into full-length proposals and their submission to the ICMR)		
2.	For research priorities at medical college level, the composition of local Research Advisory Committees (RAC- MRU) is in place or not, (composition, if constituted)		
3.	Frequency of meeting of Local Research Advisory Committees		
5.	Minutes of meetings held in last one year to be attached		
5.	Full length Research Projects in Non-communicable Diseases		
6.	Whether any proposal submitted to any other funding agency or to ICMR for funding of research proposals (If yes, state the number, titles, funding agency		
7.	Whether part of any multi-centric projects (if yes, state the number, title, funding agency)		
8.	Number of projects approved by LRAC		
9.	Number of projects ongoing		
10.	Number of projects completed		
11.	No. and names of departments in the medical college engaged actively in proposal writing.		
12.	No. of proposals having multi-departmental involvement as co-investigators in the proposals.		
13.	Annual schedule of meeting of Research Advisory Committee for the calendar year.		
14.	Any publication arising from work done using MRU facility (funded/non-funded). If Yes, give list in Vancouver style		


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15	Any presentation made in national/international conferences arising from work done using MRU facility (funded/non-funded). If Yes, give list in Vancouver style		
16	Any public service/improvement in clinical management due to establishment of MRU		
17	Number of training/workshops conducted. List to be attached		
18	Number of personnel trained		
G	ANY SUGGESTIONS		
	Suggestions, if any for effective implementation of the scheme		

Signature (with name/designation): _____ Names of Team members: 1. 2.	Signature (with name/designation) : () (Nodal Officer for MRU at Medical College)
Signature : _____ (Principal/Dean, Medical College or Head of Institute)	


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Guidelines of the Research Activities under MRU

As per GOI Ministry of Health and family Welfare (Department of Health Research) letter No. V.25011/442/2015-HR dated 08 Feb 2016, the following guidelines are being issued for research activities under this project-


- All the research proposals /project for approval of the Local Research Advisory Committee of the University under the Multi-Disciplinary Research Unit will be forwarded through proper channel to the Nodal Officer MRU in the format enclosed with this letter as per Annexure-VI.
- Nodal Officer MRU will consolidate all the research proposals received in put up to Local Research Advisory Committee for their approval.
- One copy of the research proposals approved by the Local Research Advisory Committee will be sent to the Department of Health Research on line/through email for their comments/suggestions of the National Level RAC.
- Quarterly Progress Report on Research Project will be forwarded to Nodal Officer MRU on the format being enclosed as per annexure-VII.
- For research projects/proposals, all the resources/facilities like manpower, equipments and consumables are available in MRU & all the further requirement/non available would be made available according to the research projects/proposals requirements items
- For monitoring and review of research progress under MRU, an annual/biannual review would be conducted by National level RAC at DHR
- For any research proposal beyond MRU funding i.e. under the grant in aid scheme of DHR, Extramural scheme of ICMR, funding by CSIR, DBT, etc. the procedure as applicable under the respective guidelines would be required to be followed for submission of proposals. Faculties of Medical collage which have already submitted research proposals to DHR may not wait for any decision of DHR. Subject to clearance of Research proposals by RAC, they may be initiated by the Medical College.



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Evaluation of MRU by Department of Health Research, Ministry of Health and Family welfare, Govt of India will be done on yearly basis. The following criteria will be taken to rate the progress of MRU, are as under:

S. No.	Parameters	Scores (10 marks)		
		2 marks	1 mark	0 mark
1	Number of projects initiated in MRU per year	≥4 projects/yr	1-3 projects/yr	nil
2	Number of indexed Publication per year	≥2 per year	1 per year	<1 per year
3	Average Contingency expenditure per year	≥70% per year	35-69% per year	<35%
4	Project completion rate	≥70% per year	35-69% per year	<35%
5	Any patent or guidelines or diagnostic process developed or multi-centric or extramural fundings or international fundings	≥2	1	<1



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Annexure V

Undertaking

Project title:

1. Investigators agree to submit a certificate from the institutional ethical committee for research involving field trails, experiments, and the exchange of specimens and human and animal materials. Recommendations for IEC should be adhered to CPCSEA criteria and ICMR guidelines.
2. Investigators agree to submit a certificate from institutional Biosafety committee for the research involving utilization of genetically engineered organisms. Recommendation should be adhered to the Biosafety Guidelines of Department of Biotechnology, and Department of Health Research, Government of India.
3. Investigators agree to submit a clearance certificate from Nuclear Medicine Committee, Bhabha Atomic Research Centre, Mumbai for the research involving radio-isotopes material.
4. Investigators declares no conflict of interest for the proposed research proposal.
5. The research proposal submitted to DHR-MRU does not duplicate in any already completed or ongoing research work.
6. Investigators abide by the term and conditions of Department of health Research, GOI.

Signature of PI with seal

Signature of Co-PI

(a)

(b)

(c)

(d)

(e)

(f)


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Application format for the submission of research proposal under DHR- MRU

1. Name of the Medical College/Institute of the Multi Disciplinary Unit (MRU).	
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2. Project Title	
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3. Specific Area of the Proposed Research (Non communicable Disease only)	
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4. Objective of the study	
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5. Aims and significance of the Project	
-----------------------------------------	--


6. Plan of work, methods and techniques to be used	
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7. Time Table or Mile Stones	1.
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8. Deliverables (Apart from reports/papers; Identify and products, technology, process etc. to be delivered at the end of project.	
---------------------------------------------------------------------------------------------------------------------------------------	--

9. Principal Investigator (PI):

a. Title:	Sex :
b. Name:	
c. Full official address:	


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Mobile/Telephone E-Mail	
d. Position	
e. Date of Birth	
f. Highest Degree University/Institute Date	
g. Total time to be devoted to project (In man month per year)	

10. Other participants (give name, address, and highest qualification for each of the co-Principal-Investigator (CO-PI))

1.	2.
3.	4.

11. Name and addresses of other research scientist actively engaged in the general area of the proposed research: -

1.	2.
----	----

12. List not more than 10 of your publications with full bibliographic details/reports/patents or other documents in last five years:

13. Proposed budget (To be utilized from within MRU Budget)

Budget Items	Amount Requested in Rs		
	1 st year	2 nd Year	3 rd Year
(a) Staff			
(b) Contingency/Consumables, etc (Broad Details : Travel/ any others			
(c) Equipment (Item Wise)			
(d) Total			

14. Utilisation of available Institutional facilities:	
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15. Research support availed/being availed/applied for by the PI from different sources, like Department of Health Research (Grant-aid-scheme), ICMR (Extra Mural), CSIR, DST/DBT etc;

16. Declaration and attestation:


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206130

We certify that all the details declared here are correct and complete.	
1. Signature of PI	Date :
2. Signature of CO-Is	
(a)	Date:
(b)	Date:

17. Certificate of the heads of the department and Institution:

We have read the terms and conditions of MRU Scheme. The necessary Institution facilities are available and will be provided for the implementation of this research proposal. Full account of expenditure will be rendered by the Institution yearly.	
Name of the Head: Of the Institute	Name of the Nodal Officer: of the MRU
Signature with date:	Signature with date:
Seal:	Seal:
18. Recommendation of the Research Advisory Committee:	Signature of the chairman of RAC: _____
19. Recommendation/Suggestions of the National Level Advisory Committee:	Signature of the Chairman of NAC: _____

Annexure VI


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**FORMAT OF QUARTERLY PROGRESS REPORT ON RESEARCH PROJECT INITIATED
UNDER MUTLI DISCIPLINARY RESEARCH UNIT (MRU) IN THE MEDICAL COLLEGE**

1. Project title:
2. Pi (Name & Address)
3. Mentor Name & Address
4. Broad area of Research
 - 1.1 Sub Area
5. Approved Objectives of the Principal:
 - 5.1 Date of Start
 - 5.2 Total cost of project
 - 5.3 Date of completion
 - 5.4 Expenditure as on
6. Methodology
7. Salient Research Achievements.
 - 7.1 Summary of Progress
 - 7.2 New Observation.
 - 7.3 Innovations
 - 7.4 Relevance in Public Health
 - 7.5 Any Other
8. Research work which remains to be done under the project 9for on going projects)
9. Research Publications arising out of the present project:-

List of Publications from the Project (Including title author(s), Journals & Year(s), Impact factor, ISSN No.

 - 9.1 Papers published only in cited Journals (SCI)
 - 9.2 Papers published in Conference Proceedings, Popular journals etc.
 - 9.3 Patent filed/to be files:
10. Major Equipment (Model and Make)
 - 10.1. Sanctioned list
 - 10.2. Procured


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 UPUMS, Saifai (Etawah) 206130

1. Signature of PI 2. Signature of CO-Is (a) (b) (c)	Date : Date: Date:
Countersigned by	
Name of the Head: Of the Institute Signature with date: Seal:	Name of the Nodal Officer: of the MRU Signature with date: Seal:

1

