

**GOVERNMENT OF JHARKHAND
WATER RESOURCES DEPARTMENT**

Ref No:- WRD/MDD-12/E.O.I./01/2012-13

Dated 16.05.2012

EXPRESSION OF INTEREST (E.O.I.)

The undersigned invites Expression of Interests for the work mentioned in table below from R & D institutes / labs of the Central or State Government. Organizations under MOWR. Universities and Educational Institutes, engineering and agricultural collages; IITs. WALMIs, NGOs, Non-Profit making private R&D institutions/organizations in the prescribed format of Central Water Commission, INCID Secretariat for application for Research Grants.

Sl. No.	Name of the work	Date , Place, Time & Period for receiving the proposal
1.	(A) Writing the History of Irrigation Development in a Jharkhand State. (B) Writing the History of Dams/Projects in Jharkhand State. (Suggested topic Chandil or Subernarekha Project)	Between 24.05.12 to 15.06.12 up to 5.00 pm in the office of Chief Engineer, Project , Monitoring & Planning, Water Resources Dept., Nepal House, Doranda, Ranchi

The contents for writing of History of Irrigation of the Jharkhand & Writing the History of Dams / Projects in Jharkhand State is enclosed as Annexure-I. The prescribed format of Central Water Commission, INCID Secretariat for submitting the proposal is enclosed as Annexure-II. Both Annexure-I & Annexure-II, can also be obtained on official Website. **www.wrdjharkhand.nic.in** of Water Resources Department, Government of Jharkhand. All proposals received will be submitted by water Resources Dept., Government of Jharkhand to Central Water Commission, INCID Secretariat, New Delhi for approval. The grant for above mentioned work will be given by Central Water Commission, INCID Secretariat to the organization whose proposal will be approved by Central Water Commission, INCID Secretariat. New Delhi.

Executive Engineer
Minor Distribution Division No-12
Mango, Jamshedpur

Content for writing of History of Irrigation Development in Jharkhand State

1. Irrigation – An Introduction
2. General Features of The State (Topography, Water Resources, Soil types, Climate, Demography, Agriculture)
3. River basins in State.
4. Irrigation Development under different Eras.
5. Irrigation Development during British Raj.
6. Development after independence under different Five year plans especially Major & Medium project.
7. Minor Irrigation Status.
8. Irrigations Potential & Utilization.
9. Command Area Development & Participatory Irrigation Management.
10. Water Rates
11. Water Use efficiency
12. Socio economic impart.
13. Inter State issues 꺆½
14. Flood Drainage & drought
15. Water policy
16. Hydro Power Projects
17. Future Perspective
18. Problems & Prospects.

Note: All the maps / sketch should be prepared in GIS software, AUTOCAD. Efforts should be made to include all the command area maps of major & medium irrigation projects and map in General showing the location of all the projects. Good quality of photographs of the dams and important canal structures, etc. must be used.

Content for writing of History of Dam / Project.

1. Background
2. Investigation, Planning & foundation
3. Design Issues
4. Dam & Power House Construction
5. Canal network & command Area
6. Quality control aspect
7. R & R issues
8. Interstate issues
9. Engineering Problem Faced during Construction and Remedial Measure
10. Instrumentation in Dam
11. Performance of the Dam since its commissioning
12. Post Construction Issues
13. Conclusion

Note: The Photographs, maps, sketches must be of good quality, i.e. maps / sketches / drawings should be prepared in GIS/AUTOCAD Software. Good quality of photographs of the dams and important canal structures, etc. must be used.

9. Description of the Proposal

(Describe the research proposal, the background, how the idea originated etc.)

10. Objectives. Classify the objectives of proposed research under one or of following and explain the objectives briefly.

- a) Finding answers to as yet un-answered questions (List the questions)
- b) Development of a new computational procedure (State the purpose of the procedure).
- c) Development of a new software / application (State the purpose of the Software / application).
- d) Development of a new field technique (State the purpose of the proposed technique)
- e) Design and/or develop a new device (State the purpose of the device)
- f) Investigation of the behavior of a natural process (State what new aspects are to be investigated and why)
- g) Any other (Specify and explain).

11. Contribution to Water Resources Development

(Describe very briefly the contribution envisaged to be made by the proposed R&D activity to the Water Resources Sector).

12. Putting the Research to use:

- a) Identify the possible end-users for the results of proposed research.
- b) List the actions that will be necessary ^체 to put the results to use.
- c) List the difficulties / problems that may be encountered in putting the results to use.
- d) Are the possible end users being involved in the research? If yes then describe how, if not then explain why not.

13. Present State of Art :

- a) Described the work that has already been done at International Level.
- b) Described the work that has already been done at National Level.
- c) Explain how the work proposed to be done by you will be different from the work already done by others at national and International levels.
- d) List the references examined by you to reply to (a) and (c) above.

14. Methodology

(Describe clearly the experiment; observations and data collection; and analysis)

15. Cost Estimate**15.1 Total Cost of the project including over head changes (if any).**

15.2 Subhead wise Abstract:

Sub-Head	Amount (Rs.)
Salary	
TE	
Infrastructure / Equipments	
Experimental Charges	
Sub-Total	
Add : Contingency @ 5%	
Total	
Institution over heads (up to maximum 15%)	
Grand Total	

(Note: In this table of abstract, it is not necessary to indicate year wise provisions. The release of funds will be tied down with milestones of progress and not with passage of time).

15.3 Justification for Institutional Over-Head charges.

(Institutional over-head charges, if sanctioned, will be actually paid only on successful completion of the project).

15.4 Amount sought to be released at the start of the work with justification.**15.5 Sub-heads wise Details.****Salary**

Designation	Year-1			Year-2			And So on
	Rate/ Month	Month	Amount	Rate/ Month	Month	Amount	
And So on							
Totals							
Grand Total for Salary							

15.6 Man-months utilization table :

(For each of the research staff, list the activities and the months (from start) in which he/she will be carrying out each of these activities thus justifying the total man-months).

Designation –

Total Man-Months –

Months from Start –

Activities	1	2	3	4	5	6	And So on
And So on							

(1)

15.7 Travel Expenditure (TE)

(Give the break-up for the provision for TE indicating the places to be visited, purpose, number of visits to each place by air/rail/road with approximate fares for each type of journey and provision for DA. The mode of journey allowed (air/rail/road) will be as per the TE entitlement rules of the host institute).

15.8 Infrastructure (Purchased items of a permanent nature like equipment, software or data; construction any buildings etc.)

(Give details indicating specifications, quantity and rate. Estimated cost for all items of commercial nature should be supported by Performa invoices).

15.9 Experimental Charges:

List the items and estimated cost

16. Work Schedule

- a) Probable Date of Commencement
- b) Duration of study
- c) Stages of work and Milestones

Identifiable Milestones of Progress	Months from start	Amount to be released
Start	0	(Amount of First Installment)
1		
2		
And so on		

Notes :

- a) The work should be divided into milestones 3 to 6 months apart.
- b) The milestones are mainly for the purpose of monitoring of progress and release of funds. The funds to be released on achieving various milestones should be indicated.
- c) Normally there may be only one release of funds in a financial year.

17. Declaration

1. I have carefully read the terms and conditions of the research grant and agree to abide by them.
2. This is to certify that I have neither submitted this proposal elsewhere for financial support nor have undertaken it at the request of any commercial agency or as a consultancy.

Date :
Place :

Signature of PI
Name
Designation

18. Endorsement from the Head of the institution:

1. The institute / Organization welcome the participation of
..... as Principal Investigator for above project.
2. The necessary equipment and institutional support as described in term 13.3 will be made available as and when required for the purpose of the project to ensure that the work is taken up on priority and completed on schedule.
3. In the event of foreclosure / discontinuation / cancellation of the scheme for any reason, the entire amount released for the scheme will be fully refunded to the MoWR along with the interest prescribed till the date of return by the Institute / organization.
4. The Registrar of permanent and semi-permanent assets acquired out of grants from MoWR will be maintained in from GFR- 19.
5. The assets acquired out of this grant shall be transferred to the desired destination in good & working condition as and when required.

Date :

Place :

ॐ

**Seal and Signature of the
Head of the Organization**

- The term “assets” mean (i) immovable property (ii) movable property of a capital nature where the value exceeds Rs. 1,000/- (One Thousand only).

INCID/General/2011/1112
Government of India
Central Water Commission
INCID Secretariat

Tel. : 26107897, 26176533
Fax : 91 (11) 26107897
E-mail : incid-cwc@nic.in

403 (S), Sewa Bhawan
R.K. Puram
New Delhi – 110066
Date: 20/09/2011

To,
The Engineer-in-Chief
Water Resources Department,
Govt. of Jharkhand, Nepal House,
Ranchi-834002.

Sub : Proposal for inviting research proposal on writing History of Irrigation Development in Jharkhand and few dams/projects.

Sir,

The Indian National Committee on Irrigation and Drainage (INCID) under the chairmanship of Chairman, Central Water Commission has decided to invited research proposal on History of Irrigation Development in Jharkhand even though the book entitled History of Irrigation Development in Jharkhand even though the book entitled “History of Irrigation in Bihar (Combined state)” written long back is available with this office as it is old and needs updation. It has also been decided to invite research proposal on writing history of important dams/projects in the state of Jharkhand. The suggested projects / dams could be Chandil, Getasuld. The state is free to decide but it needs to be ensured that in case History is already written, then the same dam/project should not be taken. It is requested that one copy of the same may please be provided to this office for record.

It is requested you may identify P.I. and asked them to submit the proposal as per the format of MoWR through Govt. Institute. A copy of the format of Ministry of Water Resources is enclosed for submitting the proposal. The content for writing History of Irrigation Development in state and for dam/project is also enclosed for guidance.

This office would like to know whether any Video films have been prepared for any dam/project in that case this office would like to have a copy of the film for our record.

Yours faithfully,

Sd/-

(Yogesh Paithankar)
Member Secretary (INCID)
& Director (RS), CWC

Content for writing of History of Irrigation Development in Jharkhand State

1. Irrigation – An Introduction
2. General Features of The State (Topography, Water Resources, Soil types, Climate, Demography, Agriculture)
3. River basins in a State.
4. Irrigation Development under different Eras.
5. Irrigation Development during British Raj.
6. Development after independence under different Five year plans especially Major & Medium project.
7. Minor Irrigation Status.
8. Irrigations Potential & Utilization.
9. Command Area Development & Participatory Irrigation Management.
10. Water Rates
11. Water Use efficiency
12. Socio economic impact.
13. Inter State issues
14. Flood Drainage & drought
15. Water policy
16. Hydro Power Projects
17. Future Perspective
18. Problems & Prospects.

Note : All the maps / sketch should be prepared in GIS software, AUTOCAD. Efforts should be made to include all the command area maps of major & medium irrigation projects and map in General showing the location of all the projects. Good quality of photographs of the dams and important canal structures, etc. must be used.

Content for writing of History of Dam / Project.

1. Background
2. Investigation, Planning & foundation
3. Design Issues
4. Dam & Power House Construction
5. Canal network & command Area
6. Quality control aspect
7. R & R issues
8. Interstate issues
9. Engineering Problem Faced during Construction and Remedial Measures
10. Instrumentation in Dam
11. Performance of the Dam since commissioning
12. Post Construction Issues
14. Conclusion

Note : The Photographs, maps, sketches must be of good quality, i.e. maps / sketches / drawings should be prepared in GIS/AUTOCAD Software. Good quality of photographs of the dams and important canal structures, etc. must be used.



सत्यमेव जयते

**Government of India
Ministry of Water Resources**

Guidelines

For

Implementation of R&D Programme

ॐ

Part-I

Instructions for Investigators

R & D Division

March, 2000

1. Introduction

1.1 R&D Programme of MoWR

Ministry of Water Resources (MoWR) provides financial assistance to promote research work in the field of Water Resources Engineering. The assistance is provided by way of grants to academicians/experts in the Universities. IITs recognized R&D laboratories, Water Resources/Irrigation departments of the Central and State Governments and NGOs. Research proposals of applied nature as well as basic research are considered for MoWR support.

1.2 Indian National Committee

Considering wide range of topics covered by Water Resources Engineers, five committees called Indian National Committee (**INCs**) have been constituted to co-ordinate the R&D programme. The five INCs are listed below:

INC for Hydraulics Research (INCH)

Chairman : Member (D&R), Central Water Commission
Member-Secretary : Director (FE & SA) Central Water Commission
Room Number-716 (S), Sewa Bhavan,
R.K. Puram, New Delhi-110 066
Tel. : 011-6101017, Fax : 011-6104104
Email – feandsa@niccwc.delhi.nic.in

Subject Domain

- Management of Floods
- Hydraulic Structures (including masonry and concrete structures)
- River and Estuarine Hydraulics
- River Morphology
- Ground Water Hydraulics
- Instrumentation for Seismic and Geophysical Measurements
- Open Channel Flow
- Pipe Flow
- Hydraulic Machinery
- City Water Supply
- Ports and Harbours

INC for Hydrology (INCOH)

Chairman : Chairman, Central Water Commission
Member-Secretary : Scientist “F”, National Institute of Hydrology,
Roorkee University Campus
Roorkee, (UP), Pin-247667
Tel. : 01332-72906 / 215, Fax : 01332-72123
Email : kksb@cc.nih.ernet.in

INC for Construction Materials & Structure (INCCMS)

Chairman : Director CSMRS
Member-Secretary : Chief Research Officer (Concrete)
Central Soil and Materials Research Station
Olof Palme Marg, Hauz Khas,
New Delhi – 110016
Tel. : 011-6962608, Fax : 011-6853108
email : csmrs@hub.nic.in

Subject Domain

- Soil and Materials
- Structures

1.3 R&D Division (Subject Matter Division, SMD)

The R&D Division in the Ministry of Water Resources acts as the Ministry's interface with INCs. Address of the R&D Division is :

Director R&D Division,
Ministry of Water Resources,
Wing No.-4, 1st Floor, West Block No.-1,
R.K. Puram, New Delhi – 110066.
Tel. : 6104082, Fax : 6181267, e-mail : rddte@hotmail.com

2. General Instructions

2.1 Research Categories

Research and related activities for which grant-in-aid from MoWR can be sought shall cover one or more from the following list.

- Basic Research
- Applied Research
- Action Research
- Education & Training
- Mass Awareness on Water Resources Development
- Infrastructure Development
- Creation of Centers of Excellence.

2.2 Who can be funded

Funding is provided to following:

- R & D institutes/labs of the Central or State Government.
- Organizations under MoWR.
- Universities and Educational Institutes, Engineering and agricultural colleges; IITs.
- WALMIs, NGOs, Non-Profit making private R & D institutions / organizations.

Proposal is placed before the INC for a final decision on recommendation. If the members of the INC have some doubts that are not clarified by correspondence, then the PI may be asked to attend the meeting of the INC for an interaction with the members of the INC. Return fare by rail AC-2T can be reimbursed to one person for attending the meeting of the INC, if so requested. However advance is not provided and the fare will be reimbursed only on submission of a bill on completion of return journey. The proposals recommended by the INC are sent to R&D Division who process the proposal for final acceptance and issues sanction orders.

2.6 Operation of sanctioned schemes

Funds are provided by sending a DD in favour of Accounts Officer, or similar appropriate authority, by the Institute. The procedure for submission of new proposals requires the PI to identify significant stages/mile stones of work and funds to be released on completion of these stages. **A progress report is required to be sent to the monitoring INC twice a year; a Performa report in the month of October and a detailed report in the month of April.** Release of subsequent installment of funds is subject to satisfactory progress of work.

3. Guidelines for Preparation of Estimate

3.1 Permissible Expense Heas (Components)

All expenditure to be incurred on the research scheme shall be classified under the following components, also called sub-heads. While formulating the scheme/project, the guidelines for various components that follow shall be adhered to:

1. Salary
2. Travel Expenses (TE)
3. Infrastructure / Equipment
4. Experimental Charges
 - Consumables
 - Non-research personnel
 - Third Party services (typing of report, lab analysis etc.)

5. Contingency

6. Overhead Charges

3.2 Salary

- a) The primary responsibility of conducting the research is that of the investigators (PI and other co-investigators). The salaries of the investigators are to be paid out of the regular budget of the institute where they are employed and no part of their salaries can be charged to the estimate.
- b) The reward for the investigators is indirect by way of opportunity for pursuit of academic excellence and its attendant benefits; travel grants; opportunities to participate in seminars / workshops; grants for purchase of books/journals and purchase of equipment. A provision of honorarium or other such cash incentives to the investigators is not permissible.

3.4 Infrastructure

- a) Infrastructure comprises purchase of equipment of a permanent nature and its installation; purchase of software; purchase of data like the meteorological data from IMD or the satellite imageries from NRSA; and creation of laboratory or other similar facilities. Items of minor equipment

costing less than one thousand rupees, pipelines, fixtures, general tools etc., although of permanent or semi-permanent nature, need not be booked under this head and should be booked under experimental charges.

- b) The estimate for the bought out items of equipment should be based on Performa invoices or budgetary quotations for all the items except minor items costing a few hundred rupees. The Performa invoices should be enclosed with the proposal.
- c) Purchase of computers and peripherals may be allowed where the importance of the work so demands.

3.5 Experimental charges

- a) This represents the expenditure for actually conducting the research and comprises cost of engaging any labour, cost of all consumables, cost of any construction and cost of minor equipment/tools etc. as above.
- b) Provision for a nominal honorarium or over time to non-research staff such as lab assistants, typists etc. can also be made under this head. The provision should not be lump sum, it should list the personnel to be so rewarded and magnitude of incentive for each and should be in accordance with the rules of the host institute. Further, one person can be so rewarded for such extra work only from one scheme at a time. The PI should give a certificate to this effect.
- c) Salary for personnel not engaged directly in research may be allowed under “Experimental Charges” only if following two conditions are fulfilled.
 - The said staff is recruited specifically for the purpose of said research.
 - The said staff will be working full time only for the purpose of said research.

In case such provision is made, the PI should provide justification for the same. Salary of the lab assistant, helper and other such personnel who are employees of the institute even in absence of the said research project, can not be charged to the project. Their inputs are covered under the Over Heads.

- d) Provision may be made for printing only 10 copies of the report. Only five copies need to be sent to the INC. If the report is found to be useful and worthy of wider distribution, the INC will make arrangement to print more copies. If the PI or the institute needs more than five copies then the institute should provide for the same.

Date for the scheme shall be taken as the date on which the first activity is initiated on the scheme which however shall not be later than three months from the receipt of Bank Draft by the Research Institute/Organization. This date shall be intimated by the Principal Investigator to SMD and the INC. Sanctioned duration shall be counted from this date.

It is the responsibility of the PI to ensure following:

- a) The work is completed at the earliest and within the sanctioned duration.
- b) There should be no deviation from the stated objectives.
- c) Expenditure on each subhead should not exceed sanctioned amount.

- d) Submit various periodic returns to the MoWR through INC.
- e) Ensure compliance with the “Conditions of Grant” given in Appendix-8 of this document.

The accounts of the grant are open to test check by the Comptroller and Auditor General of India under Government of India Decision No.-2 below Rule-149 of G.F.R. 1963.

4.2 Periodic Return

The PI is required to submit only one periodic report, an annual progress report to the INC. Performa for the annual progress report, which is also the Performa for service requests of funds release, time extension etc. is given in **Appendix 2. The annual progress report should reach the INC in the month of April.** The annual report comprises following documents.

- a) A Proforma (**Appendix-2**)
- b) A very brief narrative report (Two copies only)
- c) Utilisation Certificate
- d) GFR-19 (**Appendix-4**)

4.3 Service Requests

The Four commonly required services are :

- a) Release of funds
- b) Revalidation of funds
- c) Time extension
- d) Revision of estimate

The Performa for progress report (Appendix 2) includes service requests. Depending on the service required, the documents to be enclosed with this Performa are shown in the table below.

WordStar, Graphs etc. should be Lotus 123 or Ms-Excel. A separate unbound set of all hand drawn figures and photographs should also be supplied.

For any software/computer programmes that are developed as a part of the project, following shall be supplied to the INC concerned.

- a) Complete source code with detailed comments on the code in print medium.
- b) Complete source code with detailed comments on the code in magnetic medium (3.5 inch 1.44MB Floppy)
- c) Executable file in magnetic medium (3.5 inch 1.44 MB Floppy)
- d) User manual in print medium.
- e) User manual in magnetic medium as a .DOC file on 3.5 in 1.44 MB Floppy.

The format for the completion report, whether draft or final, is given in **Appendix-5**.

5.2 Final Statement of Accounts.

The Final statement of accounts should consist of following:

- a) Final utilization certificate.
- b) Expenditure statement
- c) Statement of equipment purchased in GFR-19 and their condition/scope for further use etc.

5.3 Refund of Unused funds

Any unspent balance after the completion should be refunded by a **Crossed Demand Draft** in favour of the PAO from whom funds were received. The DD should however be sent to the INC and not to the SMD or the PAO directly.

6. Intellectual Property Rights

The Principal Investigator will be recognized as the inventor on the findings of the scheme but the title to the patent, copyright and other Intellectual Property Rights shall be the property of the Government of India. The Government may, in its discretion, allow a portion of such receipts to be retained by the inventor which is undertaking the project. It is the responsibility of the institute to process the case for obtaining the patent. On behalf of the Government, the INC concerned shall monitor the progress in this respect and shall enter in to an agreement with the PI regarding sale of know-how, collection and distribution of royalty/premium; ratio of sharing etc. on the MoWR funded projects. The PI should seek permission from the concerned INC before proceeding to take out any patent, copyright or otherwise commercially exploit the results of a MoWR funded R&D project.

It is expected that research papers and publications based on the results of the research project will acknowledge the assistance by the Ministry of Water Resources. Copies/reprints of the papers published should be sent to the INC along with annual progress report.

8. Category of R&D Activity (Tick those which are applicable).

- a) Basic Research
- b) Applied Research

- c) Action Research
- d) Education & Training
- e) Mass Awareness Programme
- f) Infrastructure Development
- g) Creation of Centers of Excellence

9. Description of the Proposal

(Describe the research proposal, the background, how the idea originated etc.)

10. Objectives, Classify the objectives of proposed research under one or more of following and explain the objectives briefly :

- a) Finding answers to as yet un-answered questions (List the questions)
- b) Development of a new computational procedure (State the purpose of the procedure)
- c) Development of a new software / application (State the purpose of the software / application)
- d) Development of a new field technique (State the purpose of the proposed technique)
- e) Design and/or develop a new device (State the purpose of the device)
- f) Investigation of the behavior of a natural process (State what new aspects are to be investigated and why)
- g) Any other (Specify and explain)

11. Contribution to Water Resources Development

(Describe very briefly the contribution envisaged to be made by the proposed R&D activity to the Water Resources Sector)

12. Putting the Research to Use

- a) Identify the possible end-users for the results of proposed research.
- b) List the actions that will be necessary to put the results to use.
- c) List the difficulties / problems that may be encountered in putting the results to use.
- d) Are the possible end users being involved in the research? If yes then describe how, if not then explain why not.

15.5 Subheads wise Details

Salary

Designation	Year-1			Year-2			And So on
	Rate/ Month	Month	Amount	Rate/ Month	Month	Amount	
And So on							
Totals							
Grand Total for Salary							

15.6 Man-months utilization table :

(For each of the research staff, list the activities and the months (from start) in which he/she will be carrying out each of these activities thus justifying the total man-months).

Designation –
Total Man-Months –
Months from Start –

Designation	1	2	3	4	5	6	And So on
And So on							

15.7 Travel Expenditure (TE)

(Give break-up for the provision for TE indicating the places to be visited, purpose, number of visits to each place by air/rail/road with approximate fares for each type of journey and provision for DA. The mode of journey allowed (air/rail/road) will be as per the TE entitlement rules of the host institute).

15.8 Infrastructure (Purchased items of a permanent nature like equipment, software or data; construction any buildings etc.)

(Give details indicating specifications, quantity and rate. Estimated cost for all items of commercial nature should be supported by Performa invoices).

15.9 Experimental Charges:

List the items and estimated cost.

3. In the event of foreclosure / discontinuation / cancellation of the scheme for any reason, the entire amount released for the scheme will be fully refunded to the MoWR along with the interest prescribed till the date of return by the institute / organisation.
4. The Register of permanent and semi-permanent assets acquired out of grants from MoWR will be maintained in Form GFR-19.
5. The assets acquired out of this grant shall be transferred to the desired destination in good & working condition as and when required.

Date :
Place :

**Seal and Signature of the
Head of the organization**

- The term “assets” mean *(i) immovable property (ii) movable property of a capital nature where the value exceeds Rs. 1,000/- (One Thousand).*

Government of India
Ministry of Water Resources
P P Wing – R&D Division
1st Floor, Wing-4, West Block-I, R.K. Puram, New Delhi-110066
Telefax : 011-26104082, E-mail : watrnd-mowr@nic.in

No. : 16/10/2002-R&D/2000-2028

Dated : September 16, 2010

OFFICE MEMORANDUM

Subject : Revised guidelines on emoluments and other conditions of service for research personnel etc.

In continuation to this Ministry OM No.-16/10/2002-R&D/400, Dated- 06.02.2008 regarding the above subject, it has been decided that the “*Revised Guidelines on emoluments and other conditions of service for research personnel and benefits to host institutions in R&D programme of Central Government Departments / Agencies*” issued vide Department of Science and Technology OM No.-A-20020/11/97-IFD, dated : 31.03.2010 (enclosed as Annex-I) will be applicable to the research schemes in the R&D programme of the Ministry of Water Resources subject to the condition that extension of time for completion of research projects will not entail any additional expenditure as a result of revision of emoluments of research staff.

The Revised Guidelines will be applicable with effect from 01.04.2010.

The issues with the approval of Secretary (WR).

Encl. : As above

Sd/-

(R.S. Ram)
Director (R&D)

Copy to :

1. Chairman, Central Water Commission, Sewa Bhawan, R.K. Puram, New Delhi-110066.
2. Chairman, Central Ground Water Board, Jam Nagar House, Man Singh Road, New Delhi-110011.
3. Director, Central Water & Power Reserach Station, Khadakwasla, Pune-411024.
4. Director, Central Soils & Materials Research Station, Olof Palme Marg, Hauz Khas, New Delhi-110016.
5. Director, NIH, Jal Vigyan Bhawan, Roorkee-247667.

Cont....2

A.20020/11/97-IFD
Government of India
Ministry of Science & Technology
Department of Science & Technology

Technology Bhavan,
New Mehrauli Road,
New Delhi 110016

Dated the 31st March, 2010

OFFICE MEMORANDUM

Subject : Revision of emoluments and revised guidelines on other service conditions for research personnel employed in R&D programmes of the Central Government Departments / Agencies.

In super session of this Department's O.M. of even number dated 06.08.2007 on the above subject, the matter has been further considered by the Government and the following are the approved revised emoluments and guidelines on service conditions. This O.M. is applicable to the research personnel working on R&D programmes funded by the Central Government Department / Agencies.

i) Junior Research Fellow (JRF) / Senior Research Fellow (SRF)

Sl. No.	Designation & Qualification	Revised Emoluments per month for first 2 years	Emoluments per month after 2 years/SRF
1.	Junior Research Fellow (JRF) leading to PhD. Post Graduate (PG) Degree in Basic Sciences and NET qualified OR Graduate Degree in Professional Courses and GATE for equivalent qualification	Rs. 16,000/-	Rs. 18,000.00
2.	Junior Research Fellow (JRF) leading to PhD. Post Graduate (PG) Degree in Basic Sciences who have NET qualified for lectureship	Rs. 12,000/-	Rs. 14,000/-
3.	Junior Research Fellow (JRF) leading to PhD. Post Graduate Degree in Professional Courses	Rs. 18,000/-	Rs. 20,000/-

The local institution should review the performance of the fellow after two years through an appropriate review Committee constituted by the Head of the Institution. The fellowship in the slab after 2 years of research experience may be provided after successful assessment by this review Committee.

The earlier "Guidelines for selection of non-NET qualified JRF/SRF" issued vide DST Office Memorandum No.-12(1)/76-GRS dated 30th July, 1990 stands withdrawn.

In programmes where there is a need to engage research personnel at a level higher than JRF/SRF and such need has been accepted by the funding agency, the remuneration for such personnel may be fixed as indicated below.

1

8. Encouragement for pursuing higher degree: Student's selected as JRF/SRF may be encouraged to register for higher degrees and the tuition fees to undertake these studies may be reimbursed to the student from the contingency grant sanctioned under the project grant, if required.

9. Obligations of JRF / SRF/ RA :

- a) He/She shall be governed by the disciplinary regulations of the host Institute where he/she is working.
 - b) The JRF / SRF / RA must send a detailed consolidated report of the research work done during the entire period of Fellowship on completion of the tenure / resignation of the Fellowship at the earliest.
10. **Date of Effect** : The revision in emoluments come into effect from **01.04.2010** for all categories of JRF / SRF and Research Associates.
11. Central Government Departments / Agencies are requested to ensure that the above guidelines are followed in regard to the remuneration and other benefits to the research personnel engaged in R&D projects funded by them. They are also requested to circulate these orders to their attached and subordinate offices and also to the autonomous institutes funded by them.
12. The above may be used as guidelines by CSIR, UGC etc.

Sd/-

(L. INDUMATHY)
Director (Finance)

To,

1. All Ministries / Department of the Govt. of India.
2. All Heads of Divisions of DST.

