Government of Jharkhand
Water Resources Department

Letter No. - 3/PMC/DSRP-372/2019 – 866 **date - 23.09.2019**

Notice inviting application from experts for constitution of common pool of experts for DSRP

Water Resources Department, Government of Jharkhand is intending to constitute Dam Safety Review Panels (DSRPs) which will requires domain experts from different allied fields to assist in course of inspection of dams etc.

2. For this, applications are invited from the experts in relevant fields to constitute a common pool of 2-3 experts from each field to assist Dam Safety Review Panels (DSRP). The details regarding the requirement of experts in different fields and their qualifications and experiences are given below :

Sl.No.	Expert's Domain	Eligibility (Qualification and Experience)
1	Dam Safety	BE / B.Tech / M. Tech (Civil Engineering) with at least 20 years experience in managing dam safety issues.
2	Concrete and Masonry Dam Design	BE / B.Tech / M. Tech (Civil Engineering) with at least 20 years experience in the design of concrete and masonry dam.
3	Embankment Dam Design	BE / B.Tech / M. Tech (Civil Engineering) with at least 20 years experience in the design of earthen / embankment dam.
4	Hydrology and Flood Management	BE / B.Tech / M. Tech (Civil Engineering) with at least 20 years experience in the hydrology and flood management of the dam / weir / barrage.
5	Geology and Foundation Engineering	BE / B.Tech / M. Tech (Civil Engineering) with at least 20 years experience in the geology and foundation engineering involved in the dam / weir / barrage.
6	Hydro Mechanical	BE / B.Tech / M. Tech (Civil Engineering) with at least 20 years experience in the hydro mechanical aspect of the dams / barrages.
7	Instrumentation	BE / B.Tech / M. Tech (Civil Engineering) with at least 20 years experience in the instrumentation aspect of the dam.
8	Dam Construction	BE / B.Tech / M. Tech (Civil Engineering) with at least 20 years experience in the Dam construction.

3. The remuneration of the experts shall be as described in the Terms of Reference (ToR) annexed herewith as Annexure-1.

4. The experts selected from the common pool shall be included in the inspection team as per the needs and recommendation of DSRP.

5. The maximum permissible age of the experts as on 30.09.2019 shall not exceed 66 (Sixty Six) years.

6. The applicant experts are required to submit the application on or before 03.10.2019 till 5.00 PM (all working days from 10.00 AM to 5.00 PM except holidays) in the prescribed format available on the website : wrdjharkhand.nic.in under the link what's New.

7. The duly filled application form in prescribed format alongwith the self attested copies of the proof of age, qualification and experience should be sent through registered post / speed post / courier / by person to the **Chief Engineer, Design Master Planning & Hydrology, Jal Bhawan, Doranda, Ranchi-834002.**

8. A walk-in interview of the experts is scheduled to be held on 04.10.2019 at 11.30 AM in conference room, 1st Floor, Nepal House Secretariat, Doranda, Ranchi.

9. The list of finally selected candidates / experts shall be sent through email and uploaded on the website: **wrdjharkhand.nic.in.**

10. The cost of transport and logistics for submitting the form or attending interview shall not be born by Water Resources Department, GoJ.

23/9/19

Chief Engineer
Design, Master Planning & Hydrology,
Water Resources Department, Ranchi

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Copy to Web Manager, Water Resources Department, Ranchi for information and uploading in website and publishing in National and State level daily Newspapers (Jharkhand & Bihar).

23/9/19

Chief Engineer
Design, Master Planning & Hydrology,
Water Resources Department, Ranchi

Government of Jharkhand
Water Resources Department

(Application Form)

Position Applied for : .....

1. **Full Name (in block letters)** :
2. **Father's Name** :
3. **Date of Birth** :
4. **Address for correspondence :**

   PIN :

   Mobile :

   E-mail :
5. **Permanent address** :

   PIN:
6. **Gender (Male / Female)** :
7. **Nationality** :
8. **Languages known** :
9. **Education Qualification** :

Examination Passed	Name of the Institute / University	Subject Studied	Month & Year of Passing	% of aggregate marks

10. Professional Qualification

Examination Passed	Name of the Institute / University	Subject Studied	Month & Year of Passing	% of aggregate marks

11. Particulars of experience

Name of the Department / Organization served	Designation	Period of service		Experience		Nature of duties performed
		From	To	Years	Months	
Total Experience						

NOTE – Enclose Attested Copies of :

a] Proof of Age

b] Education & Professional Qualifications Certificate

c] Experience Certificate

d] Other Certificate

I hereby declare that all statements made in this application are true, complete and correct to the best of my knowledge and belief. In the event of any information being found false or incorrect at any stage or not satisfying the eligibility criteria according to the requirement, my application may be summarily rejected. I am physically sound to discharge the duty to be assigned & undertake to abide by all the terms & conditions of the DSRP as decided by the competent authority.

Place:

Date : **Signature of the Candidate**

Annexure-I

Terms of Reference

1. The Dam Safety Review Panel (DSRP) is required to carry out following functions under its scope of works.
   a) The primary purpose of DSRP during DRIP implementation is to review and advise the State Government on complicated design and construction matters related to dam safety and other critical aspects of the dam, its appurtenant structures, the catchment area, the area surrounding the reservoir and downstream areas.
   b) Dam inspection shall be carried out by DSRP as per CWC's Guidelines for Safety Inspection of dams covering inspection items as described in Appendix-A and focusing on features, events and evidence as provided in Appendix-B.
   c) Inspection of the dam shall involve :
      i) Review and analysis of available data on the design, construction, operation, maintenance and performance of the structures.
      ii) General assessment of hydrologic and hydraulic conditions in view of the mandatory review of design floods.
      iii) General assessment of seismic safety of dam, especially if there is a change in the seismic zoning of the dam location.
      iv) Evaluation of the operation, maintenance and inspection procedures.
      v) Evaluation of any other conditions which constitute or could constitute a hazard to the integrity of the structure.
2. Planning, Secretarial assistance and co-ordination of a visit of DSRP team for inspection of identified dam shall be done by Chief Engineer, Design, Master Planning and Hydrology, WRD, Ranchi. Sufficient time (block period of visit) shall be allocated for inspection of each dam (minimum one day for each dam) and for finalization of inspection reports (Minimum two days).
3. A memorandum for dam inspection shall be prepared by the concerned Executive Engineer covering particulars of dam features, recommendations of earlier inspections if any and compliances, design flood revisions, understanding of present problems and anticipated remedial measures and any difficulties being encountered in operation and maintenance of dams. The memorandum shall be made available to each member of DSRP team of examination at least 15 days ahead of proposed inspection.
4. All pertinent records (including design records, construction record alongwith as built drawings, recent operation and maintenance records alongwith instrumentation data) shall be made available at dam site by the concerned Executive Engineer for examination by the DSRP team.

Reporting Procedure

1. Separate report shall be prepared by DSRP for each inspected dam and shall include but not be limited to :
   i) Assessment of the condition of the structure based on the visual observations and available data on the design, hydrology, construction, operation, maintenance and performance of the structure.
   ii) Recommendations for any emergency measures or actions, if required, to assure the immediate safety of the structures.
   iii) Recommendations for remedial measures and actions related to design, construction, operation, maintenance and inspection of the structure, if required.
   iv) Recommendation for additional detailed studies, investigations and analyses if required.
   v) Recommendation for improvements in routine maintenance and inspection of dam, if required.
2. The report shall be prepared by DSRP team jointly within the block period of a visit and each report shall be duly signed by every member of the DSRP team before its submission to the Chief Engineer, Design, Master Planning and Hydrology, WRD, Ranchi.

Remuneration :

1. Journey days of the team member (restricted to one day before and one day after the block period of visit) shall be added to the block period of visit for remuneration purpose.
2. The remunerations as proposed below shall be paid to the Chairman as well as other members of the DSRP :

Remuneration on sitting fee:	Rs. 7500/- per day for each day of block visit under taken by the DSRP team and period of journey (as clarified in Sl. No.-1)
Air / Train travel :	(a) Economy Class by any airlines for journey within 1000 kms. (b) Executive class by any airlines for journeys exceeding 1000 kms. (c) First class AC for Train travel.
Lodging, boarding and local transportation during period of block visit.	For the stay of the DSRP team members, the Department may arrange IBs / Guest House etc. or it shall be paid as admissible to the Chief Engineer level officers of the State Government; alternatively Hotel accommodation including lodging and boarding of not less than three star category.