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DEPARTMENT OF WATER RESOURCES

RESOLUTION

The 1st November, 2012

Sub: Formation of Expert Panel for Safety Review of large dams once in ten years.

The safety of the large dams in the State is the vital component under Dam Safety Assurance and Rehaiblation Project. At present Odisha has 151 large dams, which are due for inspection by the Expert Panel. The Safety Review of large dams which are more than 15 meters in ehight or which store 60 Million cum or more water are to be carried out by an independent panel of Experts once in ten years.

2. In order to arrange Safety Review of those large dams in the State, Government have been pleased to constitute the three Expert Panels with the following members:—

PANELNo.-1

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|--|-----|------------------|
| 1. Shri Sridhar Behera, Retired, Engineer-in-Chief (Civil) | ... | Chairman |
| 2. Shri Ashok Kumar Das, Retired, Chief Engineer (Civil) | ... | Member |
| 3. Shri Gyanendra Narayan Mishra, Retired S.E.(Mech.) | ... | Member |
| 4. Director, S.S & D.S., Bhubaneswar | ... | Non-Member Secy. |
| 5. Chief Engineer, Dam Safety, Odisha, Bhubaneswar | ... | Convenor |

PANELNo.-2

- | | | |
|---|-----|------------------|
| 1. Shri Nirmal Chandra Mallick, Retd., Chief Engineer (Civil) | ... | Chairman |
| 2. Shri Ram Krishna Patra, Retd., Chief Engineer (Civil) | ... | Member |
| 3. Shri Saila Bihari Das, Retd., E.E. (Mechanical) | ... | Member |
| 4. Director, S.S. & D.S., Bhubaneswar | ... | Non-Member Secy. |
| 5. Chief Engineer, Dam Safety, Odisha, Bhubaneswar | ... | Convenor |

PANELNo.-3

- | | | |
|--|-----|------------------|
| 1. Shri Sudharkar Patri, Retd., Chief Engineer (Civil) | ... | Chairman |
| 2. Shri Chakradhar Mahant, Retd., Chief Engineer (Civil) | ... | Member |
| 3. Shri Laxmidhar Mallick, Retd., S.E. (Civil) | ... | Member |
| (Till a suitable Mechanical Engineer is available) | | |
| 4. Director, S.S. & D.S., Bhubaneswar | ... | Non-Member Secy. |
| 5. Chief Engineer, Dam Safety, Odisha, Bhubaneswar | ... | Convener |

However, it is also decided that at a particular time, if required, Authority can pull Engineers depending on their availability from the above mentioned panels irrespective of their panel combination for inspection of a particular Dam.

The service of these panel members can also be availed for the Dam Rehabilitation and Improvement project.

3. The Panel will have the following functions:—

- (i) It will review the existing and available engineering data relating to design assumptions and design of structures, construction of records, post construction changes, hydrological and hydraulic assumptions and features.
- (ii) It will review existing record of operation of the dams and appurtenant structures including electrical, mechanical operating equipment.
- (iii) It will review the existing maintenance procedure.
- (iv) It will review the structural behaviour records prepared, if any, based on reading from instruments mounted or embedded in the dam.
- (v) It will review the periodic (pre-monsoon and post-monsoon) and other inspection records, reporting procedures and formats, check list etc.
- (vi) It shall conduct detailed field inspection as per the *pro forma* of Phase-I Inspection and suggest necessary remedial measures.
- (vii) It shall record at the end of the investigation assessment of safety of the dams, need for additional studies, investigation and analysis considered essential to assess the safety of the dam and the urgency of such additional investigation.

4. The Panel will meet frequently to assess the status of the dams and to present recommendation to the Government.

5. The Chairman and Members of the Panel may be paid daily fees of ₹ 2,500/- each and provide them transportation and arrange accommodation in I.Bs./Circuit House or State Guest House while they are on visit/duty for Safety Review work of dams. If

Department cannot arrange Guest House/l.Bs. then the cost incurred by the Chairman and Members in the Hotel towards accommodation charges will be reimbursed subject to maximum of ₹ 750/- per day.

6. This has been concurred in by F.A.-*cum*-Additional Secretary of Water Resources Department vide UOR No.817/FAC., dt. 29-09-2012.

7. This supercedes the Department of Water Resources Resolution No.24645/WR., dt. 19-07-2003.

ORDER

Ordered that the Resolution be published in the *Odisha Gazette* and copies thereof be forwarded to all Departments of Government/ all Heads of Department/Chairman and Members of the Panel.

By Order of the Governor,

S. C. MAHAPATRA

Principal Secretary to Government