



# WEST BENGAL ELECTRICITY REGULATORY COMMISSION



Ref No. WBERC/A-17/3/0769

Dated, Kolkata, the 11<sup>th</sup> August 2017

## NOTICE

West Bengal Electricity Regulatory Commission is desirous of engaging Consultants in different fields. Interested persons/organizations may visit the website of the Commission at [www.wberc.net](http://www.wberc.net) for details.

By order of the Commission

Place : Kolkata

Dated : 11<sup>th</sup> August 2017

  
Secretary



Ref No. WBERC/A-17/3/

Dated, Kolkata, the 10<sup>th</sup> August, 2017

## NOTICE

West Bengal Electricity Regulatory Commission intends to engage Consultants / Experts having experience and expertise in the related fields as indicated in the Table below with a view to utilizing their domain knowledge on fixed terms and conditions for specified period as and when occasion so requires.

TABLE

SI No	Area of Consultancy	Consultant Profile	Annexure Reference
1	Evaluation of Annual Revenue Requirement (ARR)/ Annual Performance Review (APR)/ Fuel and Purchase of Power Cost Adjustment (FPPCA) of Generating/ Transmission / Distribution Utilities for determination of tariff (Finance Part)	Individual	1
2(a)	Analysis and development of norms/ standard for determination of Tariff in respect of Generating Utilities	Individual	2(a)
2(b)	Analysis and development of norms/ standard for determination of Tariff in respect of Transmission utilities, Distribution Utilities	Individual	2(b)
3	Technical Audit of Generating/ Transmission / Distribution Utilities	Organisation	3
4	Audit for Regulatory Compliance (Technical) of Generating/ Transmission / Distribution Utilities	Organisation	4
5	Energy audit of Generating/ Transmission / Distribution Utilities	Organisation	5
6(a)	Project appraisal for investment approval including inspection of the items procured / replaced/ upgraded/ modernization/ renovation by the Transmission/ Distribution Utilities	Individual	6(a)
6 (b)	Project appraisal for investment approval including inspection of the items procured / replaced/ upgraded/ modernization/ renovation by the Generating Utilities	Individual	6 (b)



# WEST BENGAL ELECTRICITY REGULATORY COMMISSION



SI No	Area of Consultancy	Consultant Profile	Annexure Reference
6 (c)	Project appraisal for investment approval including inspection of the items procured / replaced/ upgraded/ modernization/ renovation by the Transmission/ Distribution utilities	Organisation	6 (c)
6 (d)	Project appraisal for investment approval including inspection of the items procured / replaced/ upgraded/ modernization/ renovation by the Generating Utilities	Organisation	6 (d)
7 (a)	Assessment, Analysis and Preparation of Report for Adaptation of New Technology including Analysis & Development of norms/standards for determination of Tariff in the Field of Renewable Energy Sources	Organisation	7 (a)
7 (b)	Assessment, Analysis and Preparation of Report for Adaptation of New Technology including Analysis & Development of norms/standards for determination of Tariff in the Field of Renewable Energy Sources	Individual	7 (b)
8	Assessment, Analysis and Preparation of Report for Adaptation of New Technology in the Field of Conventional Energy Sources	Organisation	8
9	Drafting and Finalization of Regulations including Recommendation/ Study of concerned Bodies like FOR/ TERI etc.	Individual	9

2. Desirous Individuals/Organisations may introduce themselves with their Name, Address, Contact Number and Complete Profile as required to be submitted against Qualifying Requirements mentioned at respective Annexures attached herewith along with their 'Credentials' on expertise on relevant field to the Secretary, West Bengal Electricity Regulatory Commission, FD-415A, Paura Bhawan, 3<sup>rd</sup> Floor, Sector – III, Bidhannagar, Kolkata – 700 106 within **September, 11<sup>th</sup>, 2017** for the purpose.

3. The Commission reserves the right to take cognizance of the profile/credentials of persons as may be received or otherwise based on the parameters it might work out within its policy framework consistent with the provisions of law and Regulating made there under and / or may not consider the names of persons who are presently engaged in power related business or generation with the utilities in the State of West Bengal for empanelment.



4. Remuneration for the period of engagement will be such as may be determined by the Commission.
5. The Commission reserves the right to accept or ignore any or all proposals whatsoever without assigning any reason.

Kolkata

Date : 10th August, 2017

(Dr. Jiban Chandra Chakraborty)  
Secretary, WBERC



Qualifying Requirements

Evaluation of ARR/ APR/ FPPCA for Determination of Tariff -Individual

(Finance Part)

1. **Education:** Must be Associate/Fellow Member of Institute of Chartered Accountants of India/Institute of Cost Accountants of India/SAS
2. **Essential Experience:** Must have a minimum of 25 years experience in the fields of Accounts compilation/ Investment concurrence/ Budgeting/variance analysis/ Corporate Finance/Corporate planning in Power Sector of which at least 3 years should be in the rank of Addl GM & above
3. **Desirable Experience**
  - i. 5 Yrs experience in Auditing assignment for Financial Audit/Cost Audit
  - ii. 2 yrs experience in handling regulatory/tariff matter as Consultant
4. **Essential Requirements**
  - Knowledge on regulations prevalent in the States and at Central level.
5. **Minimum Age: 55 Yrs**

A. Pal  
11/8/17



**Qualifying Requirements**

**Analysis & Development of norms / standards for determination of Tariff in respect of  
Generating Utilities - Individual.**

1. **Education :**  
Full time Bachelor Degree in Electrical / Mechanical Engineering from any Govt. recognised institution.
2. **Essential Experience**
  - Minimum experience of 25 years in the field of Construction, Design, Planning, Execution, Operation and Maintenance, Planning of Thermal/Hydel Generating Station of which 10 years should be for a project of 1000 MW and above.
3. **Desirable Experience**
  - 2 years Experience in norm setting and laying of principles of Multi Year Tariff as Consultant.
  - Experience in manpower determination of thermal/ hydel generating stations.
4. **Essential Requirements**
  - Knowledge on regulations prevalent in the States and at Central level.
5. **Minimum Age :** 55 Years.

A. Pal  
4/8/17



**Qualifying Requirements**

**Analysis & Development of norms / standards for determination of Tariff in respect of Transmission/Distribution Utilities - Individual.**

**1. Education :**

Full time Bachelor Degree in Electrical Engineering from any Govt. recognised institution.

**2. Essential Experience**

- Minimum experience of 25 years in the field of Construction, Execution, Operation and Maintenance in Transmission system of 220 kV and above / Distribution network having HV, MV & LV systems.

**3. Desirable Experience**

- 2 years Experience as consultant or in other capacity in norm setting and laying of principles of Multi Year Tariff.
- Experience in manpower determination of Transmission system of 220 kV and above / Distribution network having HV, MV & LV systems.

**4. Essential Requirements**

- Knowledge on Electricity Regulations prevalent in the States and at Central level.

**5. Minimum Age : 55 Years.**

A. Pal  
21/8/17



**Qualifying Requirements**

**Technical Audit of Generating /Transmission/Distribution Utilities – Organisation**

1. **Entity**

A Firm/Company/Body Corporate engaged in the consultancy business in the power sector of the country continuously for last 10 years out of which minimum engagement period in conducting technical audit should be for a period of 5 years.

2. **Essential Requirement.**

- Experience for advising for improvements in O&M performance of Generating Stations / Transmission / Distribution Sector utilities for 10 years.
- Minimum educational qualification of the experts should be full time Bachelor of Engineering degree (Mechanical/Electrical/C&I) from any Govt. recognised institution.
- Minimum post qualification experience of the experts in the Generating Stations / Transmission / Distribution Sector should be 20 years.

3. **Desirable Requirements**

- Minimum number of technical audit successfully completed without any expressed dissatisfaction of the client in organisations related with power generation / transmission / distribution business should be 5.
- Experience in conducting technical audit in Central / State Sector Generating station, preferably Thermal Generating Station / State Discoms / Transmission utilities.
- Global Experience: 3 yrs experience in handling Global Assignments
- Ratio of permanent : outsourced/contracted personnel should be not less than 50:50.

4. **Annual Turnover :** Average Annual Turnover of Minimum Rs 2.50 Crore during the last three years.

A. Pal  
11/8/17





**Qualifying Requirements**

**Audit for Regulatory Compliance (Technical) of Generating/ Transmission/Distribution Utilities**  
**- Organisation.**

1. **Entity**

A Firm/Company/Body Corporate engaged in the consultancy business in the power sector of the country continuously for last 10 years.

2. **Essential Requirement.**

- Minimum experience in O&M performance of Generating Stations / Transmission / Distribution Sector utilities should be 10 years.
- Minimum educational qualification of the experts should be full time Bachelor of Engineering degree (Mechanical/Electrical/C&I) from any Govt. recognised institution.
- Minimum post qualification experience of the experts in the O&M performance of Generating Stations / Transmission / Distribution Sector utilities should be 20 years.

3. **Desirable Requirements**

- Minimum number of assignments for verification of regulatory compliance completed without any expressed dissatisfaction of the client in organisations related with power generation / transmission / distribution business should be 5.
- Experience in conducting such assignments in Central / State Sector Generating station, preferably Thermal Generating Station / State Discoms / State Transmission utilities.
- Ratio of permanent : outsourced/contracted personnel should be not less than 50:50.

4. **Annual Turnover :** Average Annual Turnover of Minimum Rs 2.50 Crore during the last three years.

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11/8/17



**Qualifying Requirements**

**Energy Audit of Generating /Transmission/Distribution Utilities – Organisation.**

1. **Entity**

A Firm/Company/Body Corporate engaged in the consultancy business in the power sector of the country continuously for last 10 years out of which minimum engagement period in conducting energy audit should be for a period of 5 yrs.

2. **Essential Requirement.**

- Experience for advising for improvements in O&M performance of Generating Stations / Transmission / Distribution Sector utilities for 10 years.
- Minimum educational qualification of the experts should be full time Bachelor of Engineering degree (Mechanical/Electrical/C&I) from any Govt. recognised institution.
- Minimum post qualification experience of the experts in the Generating Stations / Transmission / Distribution Sector should be 20 years.
- Minimum 40 % of the experts should be accredited Energy Auditors certified by Bureau of Energy Efficiency.

3. **Desirable Requirements**

- Minimum number of energy audit successfully completed without any expressed dissatisfaction of the client in organisations related with power generation / transmission / distribution business should be 5.
- Experience in conducting energy audit in Central / State Sector Generating station, preferably Thermal Generating Station / State Discoms / Transmission utilities.
- Global Experience: 3 yrs experience in handling Global Assignments
- Ratio of permanent : outsourced/contracted personnel should be not less than 50:50.

4. **Annual Turnover :** Average Annual Turnover of Minimum Rs 2.50 Crore during the last three years.

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**Qualifying Requirements**

**Project Appraisal for investment approval including inspection of the items procured/replaced/upgraded/modernisation/renovation by the Transmission/Distribution Utilities - Individual**

1. **Education :**  
Full time Bachelor Degree in Electrical Engineering from any Govt. recognised institution.
  
2. **Essential Experience**
  - Minimum experience of 25 years in managerial capacity in the Construction, Execution and Operation & Maintenance of Transmission system of 220 kV and above / Distribution network having HV, MV & LV systems.
  - Minimum 5 (five) years experience in the field of project execution of transmission project of 220 kV system and above / distribution projects having total capacity of 100 MVA and above.
  
3. **Desirable Experience**
  - 2 years Working experience as consultant for evaluation of project in the field of Transmission / Distribution Utilities in India
  
4. **Essential Requirements :**
  - Knowledge on regulations prevalent in the State Sector and at Central level.
  
5. **Minimum Age : 55 Years.**

A. Pal  
11/8/17



**Qualifying Requirements**

**Project Appraisal for investment approval including inspection of the items procured/replaced/upgraded/modernisation/renovation by the Generating Utilities - Individual**

**1. Education :**

Full time Bachelor Degree in Engineering (Mechanical/Electrical) from any Govt. recognised institution.

**2. Essential Experience**

- Minimum experience of 25 years in managerial capacity in the Construction, Execution and Operation & Maintenance of Generating Station of which 10 years should be in projects of 1000 MW and above
- Minimum 5 (five) years experience in project execution of 1000 MW & above .

**3. Desirable Experience**

- 2 years working experience as consultant for evaluation of project in the field of Generation Utilities in India

**4. Essential Requirements :**

- Knowledge on regulations prevalent in the State Sector and at Central level.
- Experience in Greenfield Projects

**5. Minimum Age : 55 Years.**

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**Qualifying Requirements**

**Project Appraisal for investment approval including inspection of the items procured/replaced/upgraded/modernisation/renovation by the Transmission/Distribution Utilities: Transmission / Distribution - Organisation**

**1. Entity**

A Firm/Company/Body Corporate engaged in the consultancy business in the power sector of the country continuously for last 10 years preferably in the area of Project feasibility study / Project evolution / DPR preparation / Project monitoring of large Transmission / Distribution Projects.

**2. Essential Requirement.**

- Experience of direct association with at least one transmission utility / distribution utility in the country.
- Minimum educational qualification of the experts should be full time Bachelor of Engineering degree (Electrical) from any Govt. recognised institution.
- Minimum post qualification experience of the experts in the relevant field should be 20 years.

**3. Desirable Requirements**

- Minimum number of project appraisal successfully completed without any expressed dissatisfaction of the client in organisations related with power transmission / distribution business should be 5.
- Experience in conducting project appraisal in transmission system having voltages more than 220 kV / distribution system having consumer strength more than 50 Lakhs.
- Global Experience: 3 yrs experience in handling Global Assignments
- Ratio of permanent : outsourced/contracted personnel should be not less than 50:50.

**4. Annual Turnover : Average Annual Turnover of Minimum Rs 2.50 Crore during the last three years.**

A. Pal  
11/8/17



**Qualifying Requirements**

**Project Appraisal for investment approval including inspection of the items  
procured/replaced/upgraded/modernisation/renovation by the**

**Generating Utilities - Organisation**

**1. Entity**

A Firm/Company/Body Corporate engaged in the consultancy business in the power sector of the country continuously for last 10 years preferably in the area of Project feasibility study / Project evolution / DPR preparation / Project monitoring of large Transmission / Distribution Projects.

**2. Essential Requirement.**

- Experience of direct association with at least one Generation utility in the country.
- Minimum educational qualification of the experts should be full time Bachelor of Engineering degree (Mechanical/Electrical) from any Govt. recognised institution.
- Minimum post qualification experience of the experts in the relevant field should be 20 years.

**3. Desirable Requirements**

- Minimum number of project appraisal successfully completed without any expressed dissatisfaction of the client in organisations related with power Generation business should be 5.
- Experience in conducting project appraisal in Generation Project of 1000 MW and above
- Global Experience: 3 yrs experience in handling Global Assignments
- Ratio of permanent : outsourced/contracted personnel should be not less than 50:50.

**4. Annual Turnover : Average Annual Turnover of Minimum Rs 2.50 Crore during the last three years.**

A. Pal  
11/8/17



Qualifying Requirements

Assessment, Analysis and Preparation of Report for Adaption of New Technology including Analysis & Development of norms / standards for determination of Tariff in the Field of Renewable Energy Sources

– Organisation.

1. Entity

A Firm/Company/Body Corporate engaged in the consultancy business in the Renewable(Solar/Wind etc) Power sector of the country continuously for last 10 years.

Government recognised renowned Academic Institution/Research Organization having 10 years experience of working with Power Sector Utilities (Generation/Transmission/Distribution).

2. Essential Requirement.

- Domestic Experience : Completed at least 3 assignments in Renewable (Solar/Wind etc)
- Global Experience: Completed at least 2 assignments in Renewable (Solar/Wind etc)
- Minimum educational qualification of the experts should be full time Bachelor of Engineering degree (Mechanical/Electrical) from any Govt. recognised institution.
- Minimum post qualification experience of the experts in the relevant field should be 10 years.

3. Desirable Requirements

- Knowledge of new technology in Renewable Power (Solar/Wind etc) for cost reduction
- Knowledge of renewable projects implemented outside India regarding technology, cost, output, productivity
- Global association with knowledge of Global Protocol in Renewable (Solar/Wind etc) Power Sector
- Experience in implementing Renewable Energy Projects in Central / State Sector utilities.
- Knowledge of Regulations/Gvt Policy/Gvt Initiatives in Central and State Sector.
- Ratio of permanent : outsourced/contracted personnel should be not less than 50:50.

4. Annual Turnover : Average Annual Turnover of Minimum Rs 2.50 Crore during the last three years.

A. Pal  
11/8/18



**Qualifying Requirements**

**Assessment, Analysis and Preparation of Report for Adaption of New Technology including Analysis & Development of norms / standards for determination of Tariff in the Field of Renewable Energy Sources**

**- Individual.**

**1. Education**

Full time Bachelor Degree in Engineering (Mechanical/Electrical) from any Govt. recognised institution.

**2. Essential Experience**

- Minimum experience of 10 years in any Renewable Energy Project in managerial capacity

**3. Desirable Experience**

- Working experience of 5 years as consultant in Solar/Wind/etc Power Project.
- Global Experience in Solar/Wind/etc Power Project in any capacity

**4. Desirable Requirements :**

- Knowledge of new technology in Renewable Power (Solar/Wind etc) for cost reduction
- Knowledge of renewable projects implemented outside India regarding technology, cost, output, productivity
- Global association with knowledge of Global Protocol in Renewable (Solar/Wind etc) Power Sector
- Experience in implementing Renewable Energy Projects in Central / State Sector utilities.

**5. Essential Requirements**

- Knowledge of Regulations/Gvt Policy/Gvt Initiatives in Central and State Sector.

**6. Minimum Age : 45 Years.**

A. Pal  
11/8/17





**Qualifying Requirements**

**Assessment, Analysis and Preparation of Report for Adaption of New Technology in the Field of Conventional Energy Sources – Organisation.**

**1. Entity**

Government recognised renowned Academic Institution/Research Organization having 10 years experience of working with Power Sector Utilities (Generation/Transmission/Distribution).

**2. Essential Requirement.**

- Domestic Experience : Completed at least 5 assignments in Power Sector Utilities (Generation/Transmission/Distribution).
- Global Experience: Completed at least 2 assignments in Power Sector Utilities (Generation/Transmission/Distribution).
- Minimum educational qualification of the experts should be full time Bachelor of Engineering degree (Mechanical/Electrical) from any Govt. recognised institution.
- Minimum post qualification experience of the experts in the relevant field should be 20 years.

**3. Desirable Requirements**

- Knowledge of Environment & Pollution Control Norms/Rules/Acts
- Knowledge in the field of Carbon Emission and reduction measures alongwith new technology to bring carbon emission to minimum
- Experience of working with statutory bodies.
- Global association
- Exposures in methodology of determination from pollution from industries, specially power sector(s).
- Exposures in New Technology reducing cost and controlling pollution
- Globally updated knowledge on best practices
- Ratio of permanent : outsourced/contracted personnel should be not less than 50:50.

**4. Annual Turnover :** Average Annual Turnover of Minimum Rs 2.50 Crore during the last three years.

A. Pal  
11/8/17



**Qualifying Requirements**

**Drafting and Finalisation of Regulations including Recommendation/ Study of concerned Bodies like FOR/TERI etc-Individual**

1. **Education :**  
Full time Bachelor Degree in Electrical / Mechanical Engineering from any Govt. recognised institution.
2. **Essential Experience**
  - Minimum experience of 30 years in the field of Construction, Execution, Operation and Maintenance, Commercial wing of any Utility in Generation ( 1000 MW and above)/Transmission/Distribution segment/ Load Despatch Center (any utility/SLDC)
  - Minimum experience of 5 years in the regulatory arena serving as Jt Adviser/Adviser
3. **Desirable Experience**
  - 3 years experience as Member/Chairperson in any SERC/CERC/APTEL
4. **Essential Experience**  
Knowledge on regulations prevalent in the States and at Central level.
5. **Desirable Requirements**
  - Knowledge of Economics/ Law/Finance and related exposure
  - Knowledge of latest technology and best practices as available globally.
6. **Minimum Age :** 58 Years.

A.P. Das  
11/8/17