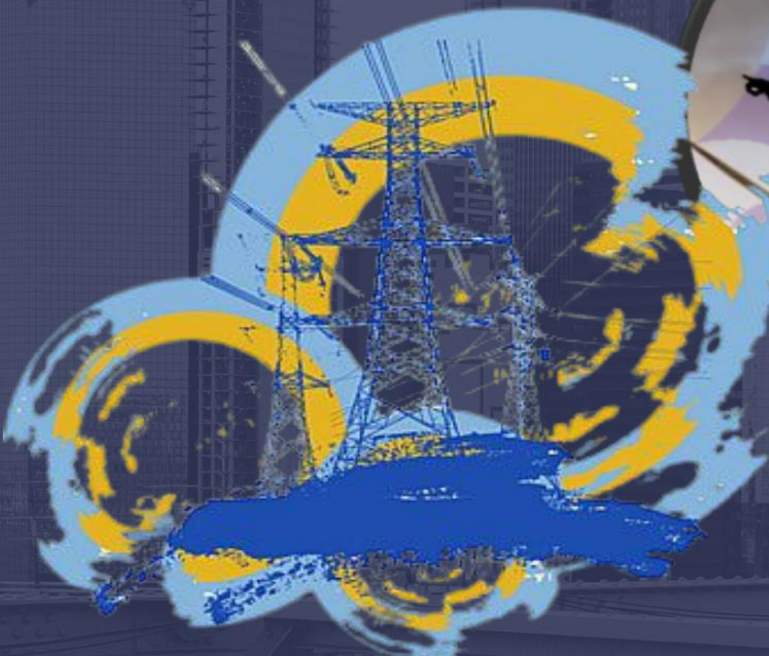


National Electric Power Regulatory Authority  
Islamic Republic of Pakistan

# HSE PERFORMANCE EVALUATION REPORT



Designed by Engbee

MAY 29  
2024

[www.nepra.org.pk](http://www.nepra.org.pk)





### **Disclaimer**

This report is prepared based on the review of the data and documents submitted by the NEPRA licensees in pursuance of the performance standards set by NEPRA in accordance with Sections 34 and 35 of the Regulation of Generation, Distribution and Transmission of Electric Power Act, 1997 (NEPRA Act), in conjunction with Section 7.48 of the Power Safety Code and the corresponding rules and regulations.

Non-provision of adequate data or documents by any licensee may have resulted in low marking against the respective category. However, if any individual feels dissatisfied with the report, including the ranking assigned to a licensee in the report, he or she may approach NEPRA in writing along with the relevant information and documentary proof for its consideration and, if justified, NEPRA may reconsider the report accordingly.

This report is intended for general information of HSE performance for the purpose of further improvement and no individual shall utilize this report or any part thereof for any purpose without the prior written approval from the National Electric Power Regulatory Authority. Any unauthorized use of this information without the express written consent from NEPRA is strictly prohibited.



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# National Electric Power Regulatory Authority

## Islamic Republic of Pakistan

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### 1. Executive Summary

The National Electric Power Regulatory Authority (NEPRA) is established under the mandate of Section 3 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 (the “Act”) to exclusively regulate the provision of electric power services to ensure the supply of safe, reliable, efficient and affordable electric supply to the people of Pakistan.

Electricity supply is not only a basic necessity but also a crucial driver of the country's economic growth. As the demand for electricity continues to rise across the industrial, commercial, and domestic sectors, safety has become a top priority for the general public, employees, and contractors.

As part of its initiative, NEPRA carried out the third round of HSE Performance Evaluation in accordance with the Power Safety Code Section 7.48, utilizing a comprehensive questionnaire of twenty (20) common "Assessment Categories" designed to gauge the HSE performance of Licensees, regardless of their size, capacity, or technological setup. The evaluation covered all NEPRA licensees involved in Generation, Transmission, and Distribution, whether in the construction or operational phase. This included various types of power plants such as hydel, thermal, coal, wind, solar, and nuclear, as well as projects by organizations like Water & Power Development Authority (WAPDA), Pakhtunkhwa Energy Development Organization (PEDO), Punjab Power Development Company Limited (PPDC), and China–Pakistan Economic Corridor (CPEC). Additionally, it also covered power stations in AJK receiving tariffs from NEPRA under Power Purchase Agreements.

The evaluation process is primarily based on documents, records, and evidences, submitted by Licensees to assess whether Licensees’ HSE Management system is adequate, well balanced, implemented and properly maintained. **Licensees who were responsible for work-related or public fatal accidents during the evaluation year, received a zero point in category # 19. For all other categories, points were given to them based on the submitted data to measure their continual improvement in other categories.**

This evaluation aims to assess HSE Management system to protect the lives and well-being of employees, contract workers, the general public including visitors and animals. An effective HSE Management system serves as a crucial layer of protection against significant incidents or damages. Incidents are the results, consequences or outcomes of the HSE management system failure, either not available or not implemented. Despite the significant risks associated with the power sector, it is imperative to assess and control these risks without unduly limiting the power industry's contribution to sustainable development in Pakistan.



## 2. Purpose

The purpose of the Occupational Health, Safety, and Environment (HSE) performance evaluation initiative is to assess licensees' performance in comparison to the previous years, with the aim of fostering continual improvement in accordance with the Power Safety Code Section 7.48. This involves identifying top HSE performers for benchmarking purposes, as well as to identify organizations with safety deficiencies to provide them necessary guidance in order to become a safer organization.

## 3. Scope

The performance evaluation was conducted for fiscal year 2022/2023 for Generation, Transmission and Distribution licensees for their Occupational Health, Safety & Environment (HSE) Management System.

## 4. Evaluation Methodology

The evaluation process primarily relied on documents, records, and evidence submitted by the Licensees. Points were assigned for each assessment category on a weighted scale ranging from 0 to 5 points to rate the Licensee's performance as outstanding, good, fair, poor or unsatisfactory, based on the quality and relevance of the submitted supporting documents, records, and evidence. Points were deducted for documents, records, and evidence that are unavailable, irrelevant, incomplete, not meeting the intended purpose or not of adequate quality.

NEPRA used the following points scale in order to rate Licensees' HSE performance.

Points	1	2	3	4	5
Points x Assessment Categories	1 x 20	2 x 20	3 x 20	4 x 20	5 x 20
Percentage	20	40	60	80	100
Category	<b>Unsatisfactory</b> 1 - 20	<b>Poor</b> 21 - 40	<b>Fair</b> 41 - 60	<b>Good</b> 61 - 80	<b>Outstanding</b> 81 - 100



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

Following are the twenty (20) common “Assessment Categories”.

Assessment Categories																											
1.	<p><b><u>Licensee HSE Management System</u></b></p> <p>Approved HSE Management System/Manual is available in compliance to Power Safety Code?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="text-align: center;">Record/Evidence</th> <th style="text-align: center;">Attached</th> <th style="text-align: center;">Not Available</th> <th style="text-align: center;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. HSE Management System/Manual</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Legal Compliance Register</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Third Party HSE Audit Report</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Management System Certification</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>5. Insurance Risk Engineers Report for plants and facilities.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>	Record/Evidence	Attached	Not Available	Not Applicable	1. HSE Management System/Manual	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Legal Compliance Register	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Third Party HSE Audit Report	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Management System Certification	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Insurance Risk Engineers Report for plants and facilities.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
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2.	<p><b><u>HSE Management Team</u></b></p> <p>Is the Licensee's company providing a sufficient number of qualified HSE staff at the site for supervision, who can effectively oversee their employees and contractors?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="text-align: center;">Record/Evidence</th> <th style="text-align: center;">Attached</th> <th style="text-align: center;">Not Available</th> <th style="text-align: center;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. HSE team details/ organogram is maintained.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. HSE team training certifications or training attendance record.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Independent and functional HSE Directorate/Department.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. HSE Team responsibilities and duties clearly defined.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>5. Total number of company direct employees.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>	Record/Evidence	Attached	Not Available	Not Applicable	1. HSE team details/ organogram is maintained.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. HSE team training certifications or training attendance record.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Independent and functional HSE Directorate/Department.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. HSE Team responsibilities and duties clearly defined.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Total number of company direct employees.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>		
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3.	<p><b><u>Hazards/ Aspect Identification and Risk/ Impact Assessments</u></b></p> <p>The approved Hazards/Aspect Identification and Risk/Impact Assessment is available, and the recommended measures have been implemented.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="text-align: center;">Record/Evidence</th> <th style="text-align: center;">Attached</th> <th style="text-align: center;">Not Available</th> <th style="text-align: center;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Risk/ Impact Assessment Procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Risk/Impact Assessment Worksheet.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. List of Risk/ Impact Assessment recommendation(s).</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Risk/ Impact Assessment recommendations implementation action plan/ evidences/ photographs.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>	Record/Evidence	Attached	Not Available	Not Applicable	1. Risk/ Impact Assessment Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Risk/Impact Assessment Worksheet.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. List of Risk/ Impact Assessment recommendation(s).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Risk/ Impact Assessment recommendations implementation action plan/ evidences/ photographs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>						
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4.	<p><b><u>HSE Meeting</u></b></p> <p>The approved periodic plan for HSE Meetings is available, and these meetings are conducted at the top management level. Additionally, detailed minutes of each meeting are documented.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #e0e0e0;"> <th style="text-align: center;">Record/Evidence</th> <th style="text-align: center;">Attached</th> <th style="text-align: center;">Not Available</th> <th style="text-align: center;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. HSE Meeting procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. HSE Meeting approved periodic plan.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>	Record/Evidence	Attached	Not Available	Not Applicable	1. HSE Meeting procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. HSE Meeting approved periodic plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>														
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	3. Top management attended.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
	4. Minutes of meeting available.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
	5. Recommendations implementation action plan/evidences/photographs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
5.	<p><b><u>Job Specific Training</u></b></p> <p>The approved training need assessment and periodic plan for Job Skills Competency Training are available. Does the company provide job skills competency training for various roles such as Electrical Technician, Assistant Lineman, Lineman, Line Superintendent, Heavy Equipment Operators, Riggers, Scaffold Supervisors, etc.?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 10%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Training procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Job specific training need assessment</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Job specific training approved plan.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Sample of in-house training attendance record or third party training certifications.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. Training procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Job specific training need assessment	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Job specific training approved plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Sample of in-house training attendance record or third party training certifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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6.	<p><b><u>HSE Awareness Training</u></b></p> <p>The approved training need assessment and periodic plan are available for HSE awareness trainings, covering topics such as Work Permit Issuer &amp; Receiver, Electrical Safety, Isolation, PPE/T&amp;P, Fire Watch, Standby man, Fire Prevention, First Aid, Working at Height, Confined Space, Emergency and Rescue Operation, etc. Have all essential employees/contractors attended the necessary HSE awareness trainings, including new employees/contractors, before conducting their activities?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 10%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Training procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. HSE training need assessment.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. HSE training approved plan.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Sample of in-house training attendance record or third party training certifications.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. Training procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. HSE training need assessment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. HSE training approved plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Sample of in-house training attendance record or third party training certifications.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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7.	<p><b><u>Management HSE Walk-through/ Site Tours</u></b></p> <p>The approved periodic plan for Top Management HSE Walk-through/Site Tours is available and executed as planned. Does the top management actively participate in these tours, and are corrective actions taken when necessary?</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 10%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. HSE Walk-through/Site Tours approved periodic plan.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Top Management participation.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Evidences or photographs of observation/findings.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Evidences or photographs of action plan/corrective actions.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. HSE Walk-through/Site Tours approved periodic plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Top Management participation.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Evidences or photographs of observation/findings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Evidences or photographs of action plan/corrective actions.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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# National Electric Power Regulatory Authority Islamic Republic of Pakistan

8.	<b><u>Asset Integrity Management</u></b>	<p>The approved Preventive Maintenance periodic plan is readily available and actively implemented.</p> <p>The approved list of safety critical protection devices, instrumentation, interlocks, protection relays, breakers, controls, safety relief valves, F&amp;G detection system, software and components are available and their in-service testing/inspection is carried out according to the periodic plan, either by the government authority or inspection agencies registered with Pakistan Standards and Quality Control Authority.</p>		
	Record/Evidence	Attached	Not Available	Not Applicable
	1. Asset Integrity Management Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2. Preventive maintenance/ schedule outage approved periodic plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	3. Preventive maintenance execution record.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4. Safety critical protection devices approved list.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	5. Sample of safety critical protection devices testing (in-house or third party).	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	6. In-house or third party integrity inspection/certificate of stability of civil and steel structure of plant platforms, workshop, warehouses, normal office buildings, porta cabins and blast resistant buildings at intervals of 3 to 5 years.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	7. In-service Boiler Inspection Certificate.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	8. In-house or third party inspection of in-service electrical installation of plant, workshop, warehouses, normal office buildings and blast resistant buildings at intervals of 3 to 5 years.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
9.	<b><u>Management of Change (MOC)</u></b>	<p>The Management of Change (MOC) program is available and actively implemented. MOC Committee/Team is present to review and approve any permanent or temporary changes, modifications, additions, or deletions that are considered "Not In Kind".</p>		
	Record/Evidence	Attached	Not Available	Not Applicable
	1. Management of Change (MOC) Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2. MOC Committee/team notification.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	3. List of MOCs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	4. Sample of complete MOC.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
10.	<b><u>Personal Protective Equipment (PPE)</u></b>	<p>Personal Protective Equipment (PPE) approved list is available with material description. Adequate amount of PPE inventory is maintained by Licensee at each site?</p>		
	Record/Evidence	Attached	Not Available	Not Applicable
	1. PPE procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
	2. PPE need assessment sheet/report.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>





# National Electric Power Regulatory Authority Islamic Republic of Pakistan

	Record/Evidence	Attached	Not Available	Not Applicable																								
	3. Stock and non-stock PPE approved list is available with material description.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																								
	4. Stock PPE inventory is maintained.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																								
	5. Certificates/photographs of in-service special PPE inspections conducted either in-house or by a third party.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																								
11.	<p><b><u>Electrical and Mechanical Energy Isolation</u></b></p> <p>The electrical and mechanical isolation system is available and fully operational.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 15%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Electrical and Mechanical Energy Isolation Procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Electrical Isolation lockout sample evidences/photographs.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Mechanical Isolation chain off sample evidences/photographs.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Sample evidences/photographs of mechanical isolation by valve closure with use of rated blinds at Inlet and Outlet Or removal of pipe spool with the use of blind flange Or double block &amp; bleed with use of blind Or removal of mechanical couplings.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>5. Blind list or the blind register or marked P&amp;ID reflecting numbered locations of blinds.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. Electrical and Mechanical Energy Isolation Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Electrical Isolation lockout sample evidences/photographs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Mechanical Isolation chain off sample evidences/photographs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Sample evidences/photographs of mechanical isolation by valve closure with use of rated blinds at Inlet and Outlet Or removal of pipe spool with the use of blind flange Or double block & bleed with use of blind Or removal of mechanical couplings.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Blind list or the blind register or marked P&ID reflecting numbered locations of blinds.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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12.	<p><b><u>Permit to Work</u></b></p> <p>The Permit to Work system is available and has been effectively implemented. Additionally, the list of approved authorized Permit to Work Issuers &amp; Receivers is readily available.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 15%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Permit to Work Procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Authorized Permit to Work Issuer &amp; Receiver List.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Training or refresher training record for authorized Permit to Work Issuer &amp; Receiver.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Sample of executed Permit to Work.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. Permit to Work Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Authorized Permit to Work Issuer & Receiver List.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Training or refresher training record for authorized Permit to Work Issuer & Receiver.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Sample of executed Permit to Work.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>				
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13.	<p><b><u>Heavy Equipment, Machinery, Power Driven Tools and other Handheld Portable Equipment's</u></b></p> <p>The approved list of Tools &amp; Plants (T&amp;P), heavy equipment, machinery, power-driven tools, and other handheld portable equipment is available, and regular in-service inspections are conducted with inspection tags installed. Moreover, the list of Heavy Equipment Operators and Riggers is readily available, and all personnel in these roles are trained and certified.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 15%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Relevant Procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. Relevant Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																
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	3. Heavy equipment approved list.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																
	4. Samples of in-house or third party inspection certification or tags of in-service heavy equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																
	5. Heavy Equipment Operator and Rigger list.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																
	6. Heavy Equipment Operator and Rigger training, License and certification.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																
14.	<p><b><u>Internal HSE Audit</u></b></p> <p>The Internal HSE Audit system is available, and audits are planned and conducted during the evaluation year.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 15%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Internal HSE Audit Procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Internal HSE Audit periodic plan.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Sample of internal HSE audit report/outcomes/email.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Audit non-compliance open/close status.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. Internal HSE Audit Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Internal HSE Audit periodic plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Sample of internal HSE audit report/outcomes/email.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Audit non-compliance open/close status.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>												
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15.	<p><b><u>Health &amp; Hygienic Facilities</u></b></p> <p>Health &amp; Hygienic facilities are provided and regularly maintained. Occupational health assessments are conducted for selected employees/contractors who are typically engaged in critical tasks, based on their job roles, to ensure that individuals are medically, physically, and mentally fit for their assigned responsibilities.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 15%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Health &amp; Hygienic Procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Occupational health assessment record.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Evidences/photographs of hygienic facilities such as potable drinking water at workplace, hygienic canteen, mess or cafeteria.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. In-house or third party assessment conducted with correction evidences for workplace ergonomics, illumination, ventilation, temperature, heat stress, noise, dust and fume.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>5. Annual Inspection Report by Labour Welfare Office.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>6. Employees' Social Security Registration Certificate for private sector organizations.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>7. Employees' Old-Age Benefits Institution (EOBI) Registration Certificate for private sector organizations.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. Health & Hygienic Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Occupational health assessment record.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Evidences/photographs of hygienic facilities such as potable drinking water at workplace, hygienic canteen, mess or cafeteria.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. In-house or third party assessment conducted with correction evidences for workplace ergonomics, illumination, ventilation, temperature, heat stress, noise, dust and fume.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	5. Annual Inspection Report by Labour Welfare Office.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	6. Employees' Social Security Registration Certificate for private sector organizations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	7. Employees' Old-Age Benefits Institution (EOBI) Registration Certificate for private sector organizations.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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17.	<p><b><u>Fire Prevention &amp; First Aid Facilities</u></b></p> <p>Fire prevention equipment's are present and regularly maintained at each site. First aid facilities/boxes are also available and well-maintained at each site. In-service inspection and refilling of first aid supplies are carried out on a monthly basis during the first week of each month.</p> <table border="1"> <thead> <tr> <th>Record/Evidence</th> <th>Attached</th> <th>Not Available</th> <th>Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Fire Prevention &amp; First Aid Procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. In-house or third party inspection records of in-service fire protection equipment.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Evidences of First aid facilities/ boxes.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>	Record/Evidence	Attached	Not Available	Not Applicable	1. Fire Prevention & First Aid Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. In-house or third party inspection records of in-service fire protection equipment.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Evidences of First aid facilities/ boxes.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																																								
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	5. Evidences of in-service ambulance inspection.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
	6. List of dedicated First Aid providers at site.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>																				
18.	<p><b><u>Emergency Management</u></b></p> <p>The Emergency Management system is available and actively implemented. Both announced and unannounced emergency drills are planned and regularly conducted.</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 15%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Emergency Management Procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Announced and unannounced emergency drills periodic plan.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Announced and unannounced emergency drills sample evidences/photographs.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Drill recommendations action plan/implementation evidences/photographs.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. Emergency Management Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Announced and unannounced emergency drills periodic plan.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Announced and unannounced emergency drills sample evidences/photographs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Drill recommendations action plan/implementation evidences/photographs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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19.	<p><b><u>Incident Reporting and Investigation</u></b></p> <p>The Incident Reporting &amp; Investigation system is available and functioning effectively. Does the Licensee adhere to NEPRA's emergency reporting instructions for incidents? Furthermore, has the Licensee conducted thorough investigations for all incidents, including near-misses?</p> <p>The total work-related fatal accidents during the evaluation year:</p> <p>The total public fatal accidents during the evaluation year for which the Licensee was responsible:</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 55%;">Record/Evidence</th> <th style="width: 15%;">Attached</th> <th style="width: 15%;">Not Available</th> <th style="width: 15%;">Not Applicable</th> </tr> </thead> <tbody> <tr> <td>1. Incident Reporting &amp; Investigation Procedure/SOP.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>2. Sample injury accident investigation report.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>3. Sample Near-miss investigation report.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> <tr> <td>4. Investigation report recommendations action plan/implementation evidences/photographs.</td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> <td style="text-align: center;"><input type="checkbox"/></td> </tr> </tbody> </table>				Record/Evidence	Attached	Not Available	Not Applicable	1. Incident Reporting & Investigation Procedure/SOP.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	2. Sample injury accident investigation report.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	3. Sample Near-miss investigation report.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4. Investigation report recommendations action plan/implementation evidences/photographs.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
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## 5. HSE Performance Ranking Summary

### 5.1 First Evaluation of the Fiscal Year 2020/21

The initial evaluation of the fiscal year 2020/21 aimed to establish an HSE baseline for the Power Sector.

No.	Category	Generation	Transmission	Distribution	Total
1	Outstanding	3	0	0	3
2	Good	43	1	1	45
3	Adequate	70	3	6	79
4	Poor	33	1	5	39
5	Unsatisfactory	10	0	1	11
<b>Total</b>		<b>159</b>	<b>5</b>	<b>13</b>	<b>177</b>

### 5.2 Second Evaluation of the Fiscal Year 2021/22

No.	Category	Generation	Transmission	Distribution	Total
1	Outstanding	64	3	2	69
2	Good	40	0	5	45
3	Adequate	33	2	3	38
4	Poor	11	0	2	13
5	Unsatisfactory	3	0	0	3
<b>Total</b>		<b>150</b>	<b>5</b>	<b>12</b>	<b>168</b>

### 5.3 Third Evaluation of the Fiscal Year 2022/23

No.	Category	Generation	Transmission	Distribution	Total
1	Outstanding	86	1	3	90
2	Good	27	1	4	32
3	Fair	19	2	4	25
4	Poor	9	0	1	10
5	Unsatisfactory	0	0	0	0
<b>Total</b>		<b>141</b>	<b>4</b>	<b>12</b>	<b>157</b>

**Note:** Licensees that no longer exist, have had their licenses canceled, or have closed their operations are not included in the evaluation process. Additionally, organizations with the same teams and documentation, holding multiple licenses are consolidated/clubbed into one group for evaluation purposes.

### 6. Combined HSE Performance Ranking of Generation, Transmission, and Distribution Licensees

6.1 The following table displays the HSE Performance Ranking of the fiscal year 2022/23, based on twenty (20) common "Assessment Categories". Additionally, it also includes the points for each company for the fiscal years 2020/21 and 2021/2022 to allow for a comparison to present performance improvement over the last three years.

Sr. No.	Licensee	License No.	Points			Category	Position
			2020/21	2021/2022	2022/23		
1.	Chashma Nuclear Power Generating Stations	GL/017/2003 GL/09/2011 GL/24/2016 GL/25/2016	86	97	98	Outstanding	1
2.	Karachi Nuclear Power Generating Stations	GL/26/2019 GL/27/2021	86	97	98	Outstanding	
3.	Quaid-e-Azam Thermal Power (Private) Limited	IGSPL/67/2016	64	96	97.5	Outstanding	2
4.	UCH & UCH-II Power (Private) Limited	IPGL/014/2003 IGSPL/25/2010	81	99	97.5	Outstanding	
5.	China Power Hub Generation Company (Private) Limited	IGSPL/68/2016	62	90	97	Outstanding	3
6.	Foundation Power Company (Daharki) Limited	IGSPL/06/2007	88	98	96.5	Outstanding	4
7.	National Power Parks Management Company (Private) Limited (Haveli Bahadur Shah)	IGSPL/70/2016	71	90	96.5	Outstanding	
8.	K-Electric (Generation)	GL/04/2002	62	90	96.5	Outstanding	
9.	National Power Parks Management Company (Private) Limited (Balloki)	IGSPL/69/2016	69	75	96.5	Outstanding	
10.	S K Hydro (Private) Limited	IGSPL/21/2009	71	95	96	Outstanding	5
11.	Engro Powergen Thar (Private) Limited	IGSPL/49/2015	65	92	96	Outstanding	
12.	Kot Addu Power Company Limited	IPGL/020/2004	56	94	96	Outstanding	
13.	RYK Mills Limited	IGSPL/44/2014	63	87	95.5	Outstanding	6



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

Sr. No.	Licensee	License No.	Points			Category	Position
			2020/21	2021/2022	2022/23		
14.	Gharo Solar (Private) Limited	SPGL/25/2018	72	96	95	Outstanding	7
15.	Halmore Power Generation Company Ltd.	IGSPL/07/2006	69	95	95	Outstanding	
16.	Punjab Thermal Power (Private) Limited	IGSPL/97/2018	64	94	95	Outstanding	
17.	Engro Powergen Qadirpur Limited	IGSPL/13/2007 SGC/87/2013	66	91	95	Outstanding	
18.	K-Electric (Transmission)	TL/02/2010	61	95	95	Outstanding	
19.	Sachal Energy Development Private Ltd.	WPGL/20/2012	64	90	95	Outstanding	
20.	Hawa Energy (Private) Limited	WPGL/24/2014	65	86	95	Outstanding	
21.	Jhimpir Power (Private) Limited	WPGL/25/2014	64	85	95	Outstanding	
22.	Oursun Pakistan Limited	SPGL/17/2016	52	69	95	Outstanding	8
23.	Three Gorges First, Second & Third Wind Farm Pakistan (Private) Limited	WPGL/11/2011 WPGL/31/2016 WPGL/32/2016	56	95	94.5	Outstanding	
24.	Engro Polymer & Chemicals Limited	SGC/026/2004	60	88	94.5	Outstanding	
25.	FFBL Power Company Limited	SGC/111/2015	73	96	94	Outstanding	9
26.	Harappa Solar (Private) Limited	SPGL/15/2015	70	96	94	Outstanding	
27.	Nishat Power Limited	IGSPL/15/2007	63	97	94	Outstanding	
28.	Thar Energy Limited	IGSPL/83/2017	67	92	94	Outstanding	
29.	Pakgen Power Limited	IPGL/07/2003	68	89	94	Outstanding	
30.	Lucky Electric Power Company Limited	IGSPL/66/2016	66	90	94	Outstanding	
31.	Narowal Energy Limited	IGSPL/19/2008	62	93	94	Outstanding	
32.	Lalpир Power Limited	IPGL/06/2003	68	78	94	Outstanding	
33.	Rousch (Pakistan) Power Limited	IPGL/015/2003	64	78	94	Outstanding	
34.	ACT Wind (Private) Ltd.	WPGL/23/2013 WPGL/42/2017	50	83	94	Outstanding	
35.	Din Energy Limited	WPGL/40/2017	55	70	94	Outstanding	



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

Sr. No.	Licensee	License No.	Points			Category	Position
			2020/21	2021/2022	2022/23		
36.	Zephyr Power Limited	WPGL/17/2012	62	93	93	Outstanding	<b>10</b>
37.	Huaneng Shandong Ruyi (Pakistan) Energy (Private) Limited	IGSPL/60/2015	66	87	93	Outstanding	<b>11</b>
38.	ThalNova Power Thar (Private) Limited	IGSPL/75/2017	67	86	93	Outstanding	
39.	Yunus Energy Limited	WPGL/16/2011	60	87	93	Outstanding	
40.	UEP Wind Power (Private) Limited	WPGL/22/2013	56	88	93	Outstanding	
41.	Artistic Wind Power (Private) Limited	WPGL/41/2017	52	84	93	Outstanding	
42.	FFC Energy Limited	WPGL/09/2010	60	71	93	Outstanding	
43.	Quaid-e-Azam Solar Power (Private) Limited	SPGL/04/2014	50	77	93	Outstanding	
44.	Lucky Renewables (Private) Limited	WPGL/54/2018	N.A	82	93	Outstanding	
45.	Mira Power Limited - Gulpur Hydropower Project	NEPRA/TRF-116/MPL-2008	N.A	81	93	Outstanding	
46.	Fatima Energy Limited	SGC/96/2013 SPIL/01/2015	56	95	93.5	Outstanding	
47.	Nasda Green Energy Limited	WPGL/49/2017	N.A	69	93	Outstanding	
48.	Port Qasim Electric Power Company (Private) Limited	IGSPL/47/2015	56	90	92.5	Outstanding	<b>12</b>
49.	Karot Power Company (Private) Limited	IGSPL/37/2013	63	95	92	Outstanding	<b>13</b>
50.	Maple Leaf Power Limited	SGC/119/2016	64	88	92	Outstanding	
51.	Orient Power Company (Private) Limited	IGSPL/03/2005	70	82	92	Outstanding	
52.	Liberty Daharki Power Limited	IPGL/08/2003	50	85	92	Outstanding	
53.	Prime Green Energy Pakistan (Private) Limited	SGC/128/2019	55	78	92	Outstanding	





**National Electric Power Regulatory Authority**  
**Islamic Republic of Pakistan**

Sr. No.	Licensee	License No.	Points			Category	Position
			2020/21	2021/2022	2022/23		
54.	JDW Sugar Mills Limited -Unit-II	IGSPL/35/2013	65	92	91	Outstanding	14
55.	Lotte Chemical Pakistan Limited	SGC/93/2013	65	90	91	Outstanding	
56.	Gul Ahmed Wind Power Limited	WPGL/13/2011	63	87	91	Outstanding	
57.	Metro Power Company Limited	WPGL/14/2011	63	87	91	Outstanding	
58.	Lucky Cement Limited (Sindh)	SGC/72/2011	58	91	91	Outstanding	
59.	Indus Wind Energy Limited	WPGL/50/2017	62	87	91	Outstanding	
60.	Tricon Boston Consulting Corporation (Private) Limited	WPGL/33/2016 WPGL/34/2016 WPGL/35/2016	59	87	91	Outstanding	
61.	Fatima Sugar Mills Limited	SGC/88/2013	59	81	91	Outstanding	
62.	Saif Power Limited	IGSPL/04/2006	62	73	91	Outstanding	
63.	Gul Ahmed Electric Limited	WPGL/47/2017	41	75	91	Outstanding	
64.	JDW Sugar Mills Limited -Unit-III	IGSPL/36/2013	65	90	90	Outstanding	15
65.	Attock Gen Limited	IGSPL/08/2006	58	90	90	Outstanding	
66.	Metro Wind Power Limited	WPGL/48/2017	41	N.A	90	Outstanding	
67.	Lakeside Energy (Private) Limited	WPGL/53/2017	56	82	90	Outstanding	16
68.	Hamza Sugar Mills Limited	IGSPL/45/2014	64	85	89	Outstanding	
69.	Fauji Kabirwala Power Company Limited	IPGL/05/2003	69	77	89	Outstanding	
70.	Artistic Energy (Private) Limited	WPGL/30/2016	55	81	89	Outstanding	
71.	Atlas Power Limited	IGSPL/10/2007	51	77	89	Outstanding	



# National Electric Power Regulatory Authority Islamic Republic of Pakistan

Sr. No.	Licensee	License No.	Points			Category	Position
			2020/21	2021/2022	2022/23		
72.	Sapphire Electric Company Limited	IGSPL/05/2006	72	92	88	Outstanding	17
73.	K-Electric (Distribution)	DL/09/2024	62	91	88	Outstanding	
74.	Sapphire Wind Power Company Limited	WPGL/18/2012	53	86	88	Outstanding	
75.	Faisalabad Electric Supply Company (FESCO)	DL/02/2023	50	88	88	Outstanding	
76.	Tenaga Generasi Limited	WPGL/04/2006	60	67	88	Outstanding	
77.	Laraib Energy Limited	NEPRA/TRF-100/2009	N.A	81	88	Outstanding	18
78.	Sindh Nooriabad Power Company (Private) Limited Phase-I & Phase-II	IGSPL/63/2015 IGSPL/64/2015	50	82	87	Outstanding	
79.	Thar Coal Block-I Power Generation Company (Private) Limited	IGSPL/74/2017	60	69	86	Outstanding	
80.	Gul Ahmed Energy Limited	IPGL/09/2003	49	72	85	Outstanding	20
81.	Lucky Energy (Private) Limited	SGC/030/2005	N.A	62	85	Outstanding	
82.	Northern Power Generation Company Limited (GENCO-III), Nandipur	GL/03/2002	58	63	84	Outstanding	21
83.	WAPDA Mangla Power Station	GL(Hydel)/05/2004	41	72	84	Outstanding	
84.	Foundation Wind Energy-I & II Limited	WPGL/02/2006 WPGL/12/2011	60	51	84	Outstanding	
85.	Liberty Wind Power-I & II Limited	WPGL/39/2017 WPGL/46/2017	N.A	76	84	Outstanding	
86.	Indus Sugar Mills Limited	SGC/42/2008	59	N.A	84	Outstanding	22
87.	Liberty Power Tech Limited	IGSPL/17/2008	60	86	83	Outstanding	
88.	Master Wind Energy Limited	WPGL/15/2011	56	79	81	Outstanding	23
89.	Lahore Electric Supply Company (LESCO)	DL/03/2023	49	63	81	Outstanding	
90.	Altern Energy Limited	IPGL/021/2004	N.A	N.A	81	Outstanding	



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Sr. No.	Licensee	License No.	Points			Category	Position
			2020/21	2021/2022	2022/23		
91.	Nishat Chunian Power Limited	IGSPL/14/2007	64	77	80	Good	24
92.	Master Green Energy Limited	WPGL/52/2017	55	81	80	Good	
93.	Thatta Power (Private) Limited	SGC/76/2011	55	71	80	Good	
94.	Kohinoor Energy Limited	IPGL/016/2003	56	61	80	Good	
95.	WAPDA Warsak Power Station	GL(Hydel)/05/2004	28	57	80	Good	
96.	Pak Matiari-Lahore Transmission Company (Private) Limited	SPTL/03/2018	54	82	79	Good	25
97.	Gujranwala Electric Power Company (GEPSCO)	DL/04/2023	49	74	79	Good	
98.	WAPDA Shadiwal Power Station	GL(Hydel)/05/2004	31	62	79	Good	
99.	Star Hydro Power Limited	NEPRA/TRF-172/SHPL-2011	N.A	41	79	Good	
100.	Multan Electric Power Company (MEPCO)	DL/06/2023	47	68	78	Good	26
101.	WAPDA Nandipur Power Station	GL(Hydel)/05/2004	30	61	78	Good	
102.	International Industries Limited	SGC/60/2010	59	66	77	Good	27
103.	Lucky Cement Limited (KPK)	SGC/104/2014	55	67	77	Good	
104.	Chiniot Power Limited	IGSPL/41/2014	41	49	77	Good	
105.	WAPDA Tarbela Power Station	GL(Hydel)/05/2004	32	53	77	Good	28
106.	Thal Industries Corporation Limited (Layya Sugar Mills Limited-Plant-I)	IGSPL/54/2015	55	58	76	Good	
107.	Chanar Energy Limited	IGSPL/71/2016	38	53	76	Good	



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Sr. No.	Licensee	License No.	Points			Category	Position
			2020/21	2021/2022	2022/23		
108.	Saba Power Company (Private) Limited	IPGL/011/2003	55	65	75	Good	29
109.	AJ Solar Power (Private) Limited	SPGL/16/2015	44	57	75	Good	
110.	WAPDA Chashma Power Station	GL(Hydel)/05/2004	35	56	75	Good	
111.	Hub Power Company Limited	IPGL/013/2003	79	79	73	Good	30
112.	WAPDA Tarbela Ext. 4 Power Station	GL(Hydel)/05/2004	30	54	73	Good	
113.	Sitara Energy Limited	SGC/012/2002	37	51	70	Good	31
114.	WAPDA Dubair Khwar Power Station	GL(Hydel)/05/2004	32	47	70	Good	
115.	Nishat Chunian Limited Coal Power	SGC/115/2016	58	81	69	Good	32
116.	WAPDA Allai Khwar Power Station	GL(Hydel)/05/2004	34	63	67	Good	33
117.	Jamshoro Power Company Limited (JPCL) GENCO-I	GL/01/2002	62	65	66	Good	34
118.	Peshawar Electric Supply Company (PESCO)	DL/07/2023	35	72	66	Good	
119.	Tribal Areas Electricity Supply (TESCO)	22/DL/2013	32	63	66	Good	
120.	WAPDA Renala Power Station	GL(Hydel)/05/2004	31	51	65	Good	35
121.	Nishat Mills Limited	SGC/40/2008	52	71	63	Good	36
122.	WAPDA Ghazi Barotha Power Station	GL(Hydel)/05/2004	28	45	63	Good	
123.	Almoiz Industries Limited	IGSPL/53/2015	57	67	60	Fair	37
124.	Engro Fertilizers Limited	19/DL/2009	53	57	60	Fair	
125.	WAPDA Rasul Power Station	GL(Hydel)/05/2004	30	44	60	Fair	
126.	WAPDA Gomal Zam Power Station	GL(Hydel)/05/2004	32	43	59	Fair	38
127.	WAPDA Golen Gol Power Station	GL(Hydel)/05/2004	26	44	59	Fair	



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Sr. No.	Licensee	License No.	Points			Category	Position
			2020/21	2021/2022	2022/23		
128.	Zorlu Enerji Pakistan Limited	WPGL/06/2008	33	73	57	Fair	39
129.	WAPDA Jabban Power Station	GL(Hydel)/05/2004	32	50	57	Fair	
130.	WAPDA Khan Khwar Power Station	GL(Hydel)/05/2004	34	41	57	Fair	
131.	Hydrochina Dawood Power (Private) Limited	WPGL/05/2006	56	52	56	Fair	40
132.	Aquagen (Private) Limited Innovative Energy solution Limited	SGC/79/2012 SGC/84/2013	31	30	56	Fair	
133.	National Transmission and Dispatch Company (NTDC)	TL/01/2002	38	53	54	Fair	41
134.	Punjab Power Development Company Limited (MARALA & Pakpattan HPP)	IGSPL/42/2014 IGSPL/43/2014	N.A	51	54	Fair	
135.	U.S. Apparel & Textiles (Private) Limited	SGC/131/2019	56	64	53	Fair	42
136.	Islamabad Electric Supply Company (IESCO)	DL/01/2023	46	48	53	Fair	
137.	Quetta Textile Mills Limited	SGC/014/2002	53	54	50	Fair	43
138.	WAPDA Jinnah Power Station	GL(Hydel)/05/2004	30	44	50	Fair	
139.	PEDO (Malakand HPP)	GL(Hydel)/07/2006	31	24	49	Fair	44
140.	WAPDA Chichoki Power Station	GL(Hydel)/05/2004	33	53	48	Fair	45
141.	Shams Power (Private) Limited	SPGL/18/2017 SGC/134/2020 SGC/135/2020 SGC/159/2022	45	63	47	Fair	46
142.	Sindh Transmission & Dispatch Company (Private) Limited	SPTL/02/2015 PGCL/01/2019	46	44	47	Fair	
143.	Olympia Power Generation (Pvt) Ltd.	SGC/029/2005	12	16	47	Fair	



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Sr. No.	Licensee	License No.	Points			Category	Position
			2020/21	2021/2022	2022/23		
144.	Quetta Electric Supply Company (QESCO)	DL/08/2023	36	45	45	Fair	47
145.	Sukkur Electric Power Company (SEPCO)	21/DL/2011	38	33	44	Fair	48
146.	Northern Power Generation Company Limited (GENCO-III), Muzaffargarh	GL/03/2002	N.A	20	43	Fair	49
147.	WAPDA Dargai Power Station	GL(Hydel)/05/2004	31	43	41	Fair	50
148.	WAPDA Chitral Power Station	GL(Hydel)/05/2004	24	43	36	Poor	51
149.	ASIA Generation (Private) Limited	SGC/66/2010	6	38	36	Poor	
150.	WAPDA Khurram Garhi Power Station	GL(Hydel)/05/2004	27	44	34	Poor	52
151.	PEDO (Daral Khwar HPP)	GL(Hydel)/13/2017	30	25	27	Poor	53
152.	Fazal Paper Mills (Private) Limited	SGC/117/2016	20	30	27	Poor	
153.	PEDO (Pehur HPP)	GL(Hydel)/08/2009	39	37	25	Poor	54
154.	Hyderabad Electric Supply Company (HESCO)	DL/05/2023	28	29	23	Poor	55
155.	PEDO (Machai HPP)	GL(Hydel)/11/2013	32	20	23	Poor	
156.	Olympia Power Generation (Private) Limited	SGC/029/2005	12	16	21	Poor	56
157.	PEDO (Shishi HPP)	GL(Hydel)/10/2013	25	N.A	21	Poor	



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## 7. HSE Performance of Transmission Licensees

Sr. No.	Licensee	License No.	Points			Category
			2020/21	2021/2022	2022/23	
1.	K-Electric (Transmission)	TL/02/2010	61	95	95	Outstanding
2.	Fatima Transmission Company Limited	SPTL/01/2015	56	95	93.5	Outstanding
3.	Pak Matiari-Lahore Transmission Company (Private) Limited	SPTL/03/2018	54	82	79	Good
4.	National Transmission and Dispatch Company (NTDC)	TL/01/2002	38	53	54	Fair
5.	Sindh Transmission & Dispatch Company (Private) Limited	SPTL/02/2015 PGCL/01/2019	46	44	47	Fair

## 8. HSE Performance of Distribution Licensees

Sr. No.	Licensee	License No.	Points			Category
			2020/21	2021/2022	2022/23	
1.	K-Electric (Distribution)	DL/09/2024	62	91	88	Outstanding
2.	Faisalabad Electric Supply Company (FESCO)	DL/02/2023	50	88	88	Outstanding
3.	Lahore Electric Supply Company (LESCO)	DL/03/2023	49	63	81	Outstanding
4.	Gujranwala Electric Power Company (GEPCO)	DL/04/2023	49	74	79	Good
5.	Multan Electric Power Company (MEPCO)	DL/06/2023	47	68	78	Good
6.	Peshawar Electric Supply Company (PESCO)	DL/07/2023	35	72	66	Good
7.	Tribal Areas Electricity Supply (TESCO)	22/DL/2013	32	63	66	Good
8.	Engro Fertilizers Limited	19/DL/2009	53	57	60	Fair
9.	Islamabad Electric Supply Company (IESCO)	DL/01/2023	46	48	53	Fair
10.	Quetta Electric Supply Company (QESCO)	DL/08/2023	36	45	45	Fair
11.	Sukkur Electric Power Company (SEPCO)	21/DL/2011	38	33	44	Fair
12.	Hyderabad Electric Supply Company (HESCO)	DL/05/2023	28	29	23	Poor



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## 9. HSE Performance of WAPDA Hydel Power Stations

Sr. No.	Licensee	License No.	Points			Category
			2020/21	2021/2022	2022/23	
1.	WAPDA Mangla Power Station	GL(Hydel)/05/2004	41	72	84	Outstanding
2.	WAPDA Warsak Power Station	GL(Hydel)/05/2004	28	57	80	Good
3.	WAPDA Shadiwal Power Station	GL(Hydel)/05/2004	31	62	79	Good
4.	WAPDA Nandipur Power Station	GL(Hydel)/05/2004	30	61	78	Good
5.	WAPDA Tarbela Power Station	GL(Hydel)/05/2004	32	53	77	Good
6.	WAPDA Chashma Power Station	GL(Hydel)/05/2004	35	56	75	Good
7.	WAPDA Tarbela Ext. 4 Power Station	GL(Hydel)/05/2004	30	54	73	Good
8.	WAPDA Dubair Khwar Power Station	GL(Hydel)/05/2004	32	47	70	Good
9.	WAPDA Allai Khwar Power Station	GL(Hydel)/05/2004	34	63	67	Good
10.	WAPDA Renala Power Station	GL(Hydel)/05/2004	31	51	65	Good
11.	WAPDA Ghazi Barotha Power Station	GL(Hydel)/05/2004	28	45	63	Good
12.	WAPDA Rasul Power Station	GL(Hydel)/05/2004	30	44	60	Fair
13.	WAPDA Golen Gol Power Station	GL(Hydel)/05/2004	26	44	59	Fair
14.	WAPDA Gomal Zam Power Station	GL(Hydel)/05/2004	32	43	59	Fair
15.	WAPDA Jabban Power Station	GL(Hydel)/05/2004	32	50	57	Fair
16.	WAPDA Khan Khwar Power Station	GL(Hydel)/05/2004	34	41	57	Fair
17.	WAPDA Jinnah Power Station	GL(Hydel)/05/2004	30	44	50	Fair
18.	WAPDA Chichoki Power Station	GL(Hydel)/05/2004	33	53	48	Fair
19.	WAPDA Dargai Power Station	GL(Hydel)/05/2004	31	43	41	Fair
20.	WAPDA Chitral Power Station	GL(Hydel)/05/2004	24	43	36	Poor
21.	WAPDA Khurram Garhi Power Station	GL(Hydel)/05/2004	27	44	34	Poor





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## 10. HSE Performance of CPEC Energy Projects

Sr. No.	Licensee	License No.	Points			Category
			2020/21	2021/2022	2022/23	
1.	China Power Hub Generation Company (Private) Limited	IGSPL/68/2016	62	90	97	Outstanding
2.	S K Hydro (Private) Limited	IGSPL/21/2009	71	95	96	Outstanding
3.	Engro Powergen Thar (Private) Limited	IGSPL/49/2015	65	92	96	Outstanding
4.	Sachal Energy Development Private Ltd.	WPGL/20/2012	64	90	95	Outstanding
5.	Three Gorges First, Second & Third Wind Farm Pakistan (Private) Limited	WPGL/11/2011 WPGL/31/2016 WPGL/32/2016	56	95	94.5	Outstanding
6.	Thar Energy Limited	IGSPL/83/2017	67	92	94	Outstanding
7.	UEP Wind Power (Private) Limited	WPGL/22/2013	56	88	93	Outstanding
8.	Huaneng Shandong Ruyi (Pakistan) Energy (Private) Limited	IGSPL/60/2015	66	87	93	Outstanding
9.	ThalNova Power Thar (Private) Limited	IGSPL/75/2017	67	86	93	Outstanding
10.	Quaid-e-Azam Solar Power (Private) Limited	SPGL/04/2014	50	77	93	Outstanding
11.	Port Qasim Electric Power Company (Private) Limited	IGSPL/47/2015	56	90	92.5	Outstanding
12.	Karot Power Company (Private) Limited	IGSPL/37/2013	63	95	92	Outstanding
13.	Thar Coal Block-I Power Generation Company (Private) Limited	IGSPL/74/2017	60	69	86	Outstanding
14.	Pak Matiari-Lahore Transmission Company (Private) Limited	SPTL/03/2018	54	82	79	Good
15.	Hydrochina Dawood Power (Private) Limited	WPGL/05/2006	56	52	56	Fair



## **11. Conclusion**

The higher ranking in the report does not guarantee that a Licensee's actual performance in the field is the same as stipulated in the report.

Companies whose HSE performance falls into the poor category must take appropriate corrective and preventive measures to improve occupational health and safety performance in compliance with the NEPRA Power Safety Code, among other applicable documents.

It's imperative to remind that the Chief Executive Officer, Managing Director or equivalent position is responsible and accountable for planning, establishing, implementing, maintaining, monitoring and communicating the occupational health and safety of employees, contractors, and the general public, as well as mitigating damage to property and adverse environmental impacts, directly associated with Licensee operations/infrastructure.