



**National Disaster Risk Management Fund**  
*A company set up under section 42 of the Companies Act, 2017*  
**Making Pakistan Resilient**

## **REQUEST FOR EXPRESSIONS OF INTEREST**

### **Hiring of Consulting Firm for Development of a National Decarbonization Strategy and Investment Roadmap for the Oil & Gas Sector of Pakistan**

REOI # 002/52/Proc-I

National Disaster Risk Management Fund (NDRMF) is a government-owned not-for-profit company, incorporated with the Securities and Exchange Commission of Pakistan, under Section 42 of the Companies Act, 2017, invites Expression of Interest (EOI) from reputable Consultancy Firms for “**Development of a National Decarbonization Strategy and Investment Roadmap for the Oil & Gas Sector of Pakistan**”, having registration with Income & Sales Tax Departments for providing services and fulfill the requirements mentioned in the EOI document and Terms of References (TORs). Method of selection will be **Quality & Cost Based Selection (QCBS)** as per Public Procurement Regulations 2010 and Public Procurement Rules, 2004.

2. EOI Document consisting of “**Instructions to Consultants**” and “**Terms of References**” for the said activity are available (free of cost) at PPRA’s Website i.e. [www.ppra.org.pk](http://www.ppra.org.pk) and NDRMF’s Website i.e. [www.ndrmf.pk](http://www.ndrmf.pk). Further information may be obtained at the address given below during office hours.

3. Firms are required to submit their EOIs, prepared in accordance with the EOI Document, through **PPRA EPAD System** ([www.eprocure.gov.pk](http://www.eprocure.gov.pk)) as per following schedule:-

<b>EOI Submission Date &amp; Time</b>	23 <sup>rd</sup> October, 2025 at 1100 hours
<b>EOI Opening Date &amp; Time</b>	23 <sup>rd</sup> October, 2025 at 1130 hours

4. Firms are requested to get registered on Public Procurement Regulatory Authority (PPRA) **EPAD System** to participate in the aforesaid bidding process.

**MANAGER PROCUREMENT**  
**National Disaster Risk Management Fund,**  
5<sup>th</sup> Floor, EOBI House, Mauve Area G-10/4, Islamabad.  
**Ph:** +92(51)9108300 Ext: 415  
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# **EXPRESSION OF INTEREST DOCUMENT**

**“Hiring of Consulting Firm for Development of a National Decarbonization Strategy and Investment Roadmap for the Oil & Gas Sector of Pakistan”**

**Request for Expression of Interest  
Quality and Cost Based Selection Method**



**National Disaster Risk Management Fund**

## SECTION I: INSTRUCTIONS

National Disaster Risk Management Fund

REOI # 002/52/Proc-I

for

### Hiring of Consulting Firm for Development of a National Decarbonization Strategy and Investment Roadmap for the Oil & Gas Sector of Pakistan

Date: 01/10/2025

1. NDRMF invites eligible and reputable "Consultancy Firms for Development of a National Decarbonization Strategy and Investment Roadmap for the Oil & Gas Sector of Pakistan".
2. At this stage, the eligible Consultants should submit Expression of Interest (EOI) in English language along with relevant complete details of their qualification and experience as requested hereunder: -

#### **a) Basic Information: -**

- i. Name of the Firm, Firm's address, Phone, and E-mail address
- ii. postal and telegraphic address for the head office, branch offices and contact personnel

#### **b) Mandatory Criteria: -**

- i. Firm's Registration with authorized Government Department(s) as Legal Entity–  
**Provide Copy**
- ii. Having registration with Income & Sales Tax Departments – **Provide the copy of Tax registration certificates for both**
- iii. Active on Income & Sales Tax (**Provide ATL status**)
- iv. Affidavit confirming that: (a) applicant Consultant (Name of the Consultant) has never been blacklisted by any National, Government/Semi Government Organization and (b) All the information provided by the applicant Consultant is correct.

#### **c) Parameters for Evaluating EOI Responses: -**

Interested **Firms/JV** are required to demonstrate/provide requisite information to prove their qualification/eligibility to perform the assignment. **The short-listing criteria are:**

#### **Technical Competence: - [Max. Score = 60]**

- The firm must have minimum **five (05) years** of significant experience in **Energy Sector Consulting, Climate Change Mitigation and Strategy Development, preferably with specific experience in Oil & Gas or other Sectoral Decarbonization.** (*Firms shall provide documentary evidence containing number, scale, and nature of the similar assignments completed*).
- Demonstrate experience in conducting **National or Sectoral level GHG inventories, decarbonization pathway modelling, policy analysis and investment planning.** (*Firms shall provide documentary evidence to establish their experience & expertise*).
- Demonstrate experience in working with governments, regulators, industry players, and international organizations in developing countries, preferably in South Asia. (*Firms shall provide documentary evidence to establish their expertise*).
- Demonstrate strong analytical, modelling, and report writing capabilities. (*Firms shall provide documentary evidence to establish their expertise*).
- Demonstrated capacity for effective stakeholder engagement and facilitation. (*Firms shall provide documentary evidence to establish their expertise*).

## **Management Competence: [Max. Score = 30]**

- Firms shall provide **corporate profile** indicating **years of operations**;
- **Complete organogram** along with **availability of number of experienced professionals** as per TOR. **Brief CVs** of the proposed technical experts shall also be submitted (*CVs of the proposed experts shall not be evaluated at EOI stage, detailed CVs of required experts, as per TORs will be required at RFP stage and will be evaluated therein*).

## **Financial Soundness: [Max. Score = 10]**

- Latest audited financial statements from the last **three years** of the Consultancy Firm will be required to check Financial Soundness (*The firm's net worth for the last three years, calculated as the difference between total assets and total liabilities, should be positive*).
3. Interested Firms/JVs must provide lucid information as per above requirements indicating that they are qualified to perform above services and must provide only materials that would be specific to the proposed services, and to avoid submitting generic promotional material. Non-provision of requisite documentary evidence/ information as per this Instructions to Consultants, may lead to "Non-Responsiveness" of the Consultants' response/ application.
  4. Firms/JVs (lead firm) are required to **submit their EOIs through PPRA EPAD system ([www.eprocure.gov.pk](http://www.eprocure.gov.pk))**. Kindly note that evaluation will be made on the EOI submitted only at EPAD system hence EPAD System must be used for submission of EOIs.
  5. Firms interested to participate in a **Joint Venture** should submit all the required information as per above parameters in respect of each partner, which shall be assessed independently. For firms who shall be in an arrangement of sub-consultant association, only the experience and capacity of lead firm shall be assessed. However, such arrangement should be clearly mentioned in Expressions of Interest Response. The firms participating as sub-consultant association formation, the registration documents as required above, are required to be provided in respect of all partner firms confirming their eligibility.
  6. Selected Consultant will be required to declare any conflicts of interest, both for the organization as a whole as well as individuals assigned to carry out this work.
  7. Any further information/clarification can be sought.

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**Email:-** [muhammad.asif@ndrmf.pk](mailto:muhammad.asif@ndrmf.pk)

## **SECTION II: TERMS OF REFERENCE**

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### **Development of a National Decarbonization Strategy and Investment Roadmap for the Oil & Gas Sector of Pakistan**

Aligned with the Oil and Gas Decarbonization Charter (OGDC) and  
International Best Practices

**Procuring Agency**  
**National Disaster Risk Management Fund (NDRMF)**

## 1. Introduction & Background

### 1.1. Context: NDRMF Mandate and Climate Finance Role

The National Disaster Risk Management Fund (NDRMF) is Pakistan's leading institution for channelling international climate finance. Established in 2016 as a government-owned, not-for-profit entity, NDRMF has the mandate to reduce socioeconomic and fiscal vulnerability to natural hazards and climate change. Operating nationally, NDRMF finances and implements projects enhancing climate resilience and disaster preparedness, leveraging an agile institutional structure for effective and efficient action.

### 1.2. Global Context: Energy Transition and the OGDC

The global energy sector faces a critical transformation driven by the climate crisis. At COP28, over 50 oil and gas companies endorsed the Oil and Gas Decarbonization Charter (OGDC), committing to:

- Net-zero Scope 1 & 2 emissions by 2050.
- Ending routine flaring by 2030.
- Achieving near-zero upstream methane emissions by 2030.
- Investing in the energy transition and clean energy solutions.
- Enhancing transparency, measurement, reporting, and verification (MRV).

### 1.3. National Context: Pakistan's Energy Sector, NDCs, and the Need for Strategy

Pakistan's oil and gas sector is vital for energy security but is also a significant source of national GHG emissions. Aligning with the Paris Agreement and its revised Nationally Determined Contributions (NDCs), Pakistan must decarbonize this sector to ensure a just energy transition. This requires a strategic approach balancing emission reduction with energy needs.

### 1.4. Rationale for this Assignment

Consistent with Pakistan's NDCs and Climate Change Policy, and recognizing the OGDC commitments, NDRMF seeks to commission the development of a comprehensive, actionable, and investment-ready National Decarbonization Strategy for Pakistan's oil and gas sector. This strategy must be benchmarked against international best practices and provide a clear pathway towards OGDC compliance and national climate goals.

## 2. Objectives of the Assignment

### 2.1. Primary Objective

To develop a robust, evidence-based, and internationally benchmarked National Decarbonization Strategy and Investment Roadmap for Pakistan's oil and gas sector, enabling compliance with the OGDC Charter principles and targets, contributing to Pakistan's NDCs, and facilitating a just energy transition.

### 2.2. Specific Objectives

- Establish a comprehensive, verified baseline of GHG emissions (Scope 1, 2, and potentially relevant Scope 3 categories) for Pakistan's oil and gas sector value chain.
- Identify and analyse technically and economically feasible decarbonization pathways, technologies (including CCUS, electrification, hydrogen, efficiency

improvements), and operational practices aligned with OGDC targets (Net-Zero by 2050, near-zero methane and zero routine flaring by 2030).

- Conduct a thorough gap analysis of the existing policy, regulatory, technological, financial, and institutional landscape against the requirements for deep decarbonization.
- Develop a prioritized action plan with clear milestones, responsibilities, and policy/regulatory recommendations.
- Formulate a detailed Investment Roadmap outlining financing needs, potential funding sources (public, private, international), and innovative financing models.
- Design a robust Monitoring, Reporting, and Verification (MRV) framework aligned with international standards (GHG Protocol, ISO 14064, OGMP 2.0) and national systems.
- Facilitate multi-stakeholder engagement throughout the process to ensure buy-in, relevance, and practicality.
- Assess socio-economic impacts, including just transition considerations, and integrate mitigation measures.

### 3. Scope of Work

#### 3.1. Geographic and Sectoral Scope

The strategy shall cover the entire oil and gas value chain within Pakistan, including:

- **Upstream:** Exploration and Production (onshore and offshore).
- **Midstream:** Processing, transportation (pipelines), storage, LNG terminals.
- **Downstream:** Refining, petrochemicals (where integrated), and potentially distribution networks (as relevant to Scope 1 & 2 emissions). The scope focuses primarily on achieving OGDC targets related to operational emissions (Scope 1 & 2) and methane, while also considering the role of the sector in the broader energy transition (relevant Scope 3 implications, e.g., low-carbon product development).

#### 3.2. Thematic Areas and Key Tasks

##### 3.2.1. Task -1:- Inception and Baseline Establishment

- **Task 1.1 (Inception):** Mobilize team, refine work plan and methodology, confirm stakeholder engagement strategy, identify key risks and mitigation measures, validate timeline feasibility. Deliverable: Inception Report.
- **Task 1.2 (Baseline GHG Inventory):** Conduct a comprehensive GHG inventory (Scope 1 & 2 minimum, key Scope 3 categories where feasible/relevant) for a recent baseline year (e.g., 2023/2024). Utilize internationally recognized methodologies (IPCC Guidelines, API Compendium, GHG Protocol) and aim for facility/company-level granularity where data permits. Quantify methane emissions (aligned with OGMP 2.0 principles), flaring volumes, and energy consumption patterns. Deliverable: Draft GHG Inventory Report.
- **Task 1.3 (International Benchmarking):** Review international best practices, policies, and decarbonization strategies/roadmaps from relevant peer countries and leading companies. Deliverable: Benchmarking Summary Report.

##### 3.2.2. Task 2:- Analysis and Stakeholder Engagement

- **Task 2.1 (Stakeholder Mapping & Initial Engagement):** Finalize mapping of key public and private stakeholders (Ministries, Regulators, NOCs, IOCs, Service



Companies, Academia, CSOs, Financial Institutions). Conduct initial consultations/ to present baseline findings and gather initial input on challenges and opportunities. Deliverable: Stakeholder Engagement Plan & Initial Consultation Summary.

- **Task 2.2 (Gap & Risk Analysis):** Evaluate current policy, regulatory, technological, financial, and institutional frameworks against OGDC targets and international best practices. Identify key barriers, gaps, and risks (operational, market, policy, technological, financial, social/just transition). Deliverable: Gap and Risk Analysis Report.
- **Task 2.3 (Decarbonization Pathway Modelling):** Develop and model potential decarbonization pathways/scenarios to achieve 2030 and 2050 targets, considering various technology mixes (efficiency, electrification, renewables integration, CCUS, hydrogen, methane abatement, flaring reduction, NbS) and cost implications. Assess abatement potential and marginal abatement cost curves (MACC). Deliverable: Pathway Modeling Report.

### 3.2.3. Task 3:- Strategy Formulation and Roadmap Development

- **Task 3.1 (Draft Strategy & Action Plan):** Formulate a draft National Decarbonization Strategy outlining vision, objectives, prioritized actions, short-, medium-, and long-term targets/milestones, and clear roles/responsibilities. Include specific, actionable policy and regulatory recommendations. Deliverable: Draft Decarbonization Strategy & Action Plan.
- **Task 3.2 (Draft Investment Roadmap):** Develop a draft Investment Roadmap, detailing investment needs for priority actions, potential financing sources (public, private, carbon markets, international climate finance), innovative financing mechanisms (e.g., blended finance), and indicative project profiles. Include cost-benefit analysis for key interventions. Deliverable: Draft Investment Roadmap.
- **Task 3.3 (Draft MRV Framework):** Design a robust MRV framework compliant with international standards (ISO 14064, GHG Protocol, OGMP 2.0 principles) and aligned with Pakistan's national GHG reporting systems. Recommend digital tools and advanced monitoring technologies (e.g., satellite, drone). Deliverable: Draft MRV Framework.
- **Task 3.4 (Stakeholder Validation Workshop):** Facilitate Stakeholder Validation Workshop. The firm's role shall be to provide technical input, plan the workshop with the key stakeholders, in coordination with NDRMF's designated team, to present and validate the draft strategy, Action Plan, Investment Roadmap, and MRV Framework. Incorporate feedback. *[(All costs associated with conducting the workshop will be borne by the NDRMF.)]* Deliverable: Stakeholder Validation Workshop Report.

### 3.2.4. Task 4:- Finalization and Dissemination:

- **Task 4.1 (Finalization):** Revise and finalize the National Decarbonization Strategy, Action Plan, Investment Roadmap, and MRV Framework based on stakeholder feedback and NDRMF review. Deliverable: Final Strategy, Action Plan, Investment Roadmap, MRV Framework.
- **Task 4.2 (Capacity Building & Dissemination Materials):** Firm shall be responsible to develop concise summary documents (e.g., policy briefs, presentation decks). and disseminate necessary materials to the stakeholders (. Deliverable: Dissemination Materials & relevant report



- **Task 4.3 (Final Presentation):** Present the final deliverables and key findings to NDRMF leadership and relevant line ministries/stakeholders. Deliverable: Final Presentation.

## 4. Governance, Reporting, and Coordination

### 4.3. Coordination and Communication

Regular progress meetings (e.g., bi-weekly virtual calls) between the Firm's Team Lead and the designated coordinator of NDRMF will be required. The Firm must proactively communicate progress, challenges, and any potential delays. Formal progress reports (e.g., monthly brief updates) will be required.

## 5. Deliverables and Timeline

### 5.1. Key Deliverables (Referencing tasks in Section 3.2)

1. Inception Report (Task 1.1)
2. Draft GHG Inventory Report (Task 1.2)
3. Benchmarking Summary Report (Task 1.3)
4. Stakeholder Engagement Plan & Initial Consultation Summary (Task 2.1)
5. Gap and Risk Analysis Report (Task 2.2)
6. Pathway Modelling Report (Task 2.3)
7. Draft Decarbonization Strategy & Action Plan (Task 3.1)
8. Draft Investment Roadmap (Task 3.2)
9. Draft MRV Framework (Task 3.3)
10. Stakeholder Validation Workshop Report (Task 3.4)
11. Final National Decarbonization Strategy, Action Plan, Investment Roadmap, MRV Framework (Task 4.1)
12. Dissemination of the Materials & relevant report (Task 4.2)
13. Final Presentation materials (Task 4.3)

### 5.2. Detailed Timeline and Payment Milestones

The total estimated duration of the assignment is **Six (06) months** from the signing of the contract. The timeline below is indicative and should be validated/refined in the Inception Report.

Sr #	Deliverable Title	Indicative Timing (Weeks post-contract signing)	Payment Milestone (%)
1	Inception Report	2-3	10%
2, 3	Draft GHG Inventory & Benchmarking Reports	6	10%
4, 5, 6	Stakeholder Plan/Summary, Gap/Risk Analysis, Pathway Modelling Reports	14	20%
7, 8, 9, 10	Draft Strategy, Roadmap, MRV Framework & Validation Workshop Report	20	30%
11, 12, 13	Final Strategy Documents, Final Presentation, Dissemination Materials.	26	30%
<b>Total</b>		<b>26 weeks</b>	<b>100%</b>

Note: Payments are contingent upon satisfactory acceptance of deliverables by NDRMF

### 5.3. Review Process

NDRMF will review draft deliverables and provide consolidated feedback within a reasonable timeframe. The Firm must incorporate feedback adequately.

#### 5.4. Format of Deliverables

All reports shall be submitted in English, in editable electronic format (e.g., Microsoft Word, Excel) and high-quality PDF as well as in hard report form. Presentations should be in Microsoft PowerPoint. All underlying data, models, and analyses should be well-documented and provided to NDRMF.

### 6. Required Qualifications and Team Composition

#### 6.1. Firm Experience

The Firm (or consortium) must demonstrate/possess:

- Significant experience (min. 5 years) in energy sector consulting, climate change mitigation, and strategy development, preferably with specific experience in oil and gas or other sectoral decarbonization.
- Proven track record in conducting national or sectoral-level GHG inventories, decarbonization pathway modelling, policy analysis, and investment planning.
- Experience working with governments, regulators, industry players, and international organizations. in developing countries, preferably in South Asia.
- Demonstrated strong analytical, modelling, and report writing capabilities.
- Demonstrated capacity for effective stakeholder engagement and facilitation.

#### 6.2. Key Capabilities and Expertise required:-

Sr #	Key Experts Role	Required Qualifications & Experience
1	Team Lead / Project Director	<ul style="list-style-type: none"><li>• <b>Qualification:</b> - Minimum 16 years of education in engineering, finance or environmental sciences.</li><li>• <b>Experience:</b><ul style="list-style-type: none"><li>• Min. 10 years in energy transition or climate change consulting.</li><li>• Proven leadership on complex, multi-stakeholder strategy projects.</li><li>• Deep understanding of OGDC, Paris Agreement, NDCs, IEA scenarios, OGMP 2.0.</li><li>• Excellent communication &amp; management skills.</li><li>• Local/regional experience highly desirable.</li></ul></li></ul>
2	GHG Inventory & MRV Lead	<ul style="list-style-type: none"><li>• <b>Qualification:-</b> Minimum 16 years of education in engineering, finance or environmental sciences.</li><li>• <b>Experience :</b><ul style="list-style-type: none"><li>• Min. 5 years' experience in GHG accounting (Scopes 1-3), baseline development, sector-specific inventories for O&amp;G or other sectors.</li><li>• Proficiency with IPCC Guidelines, GHG Protocol, ISO 14064, API Compendium, OGMP 2.0 methodologies (Tier 3/4).</li><li>• Experience designing national/corporate MRV systems.</li></ul></li></ul>
3	Methane & Flaring Reduction Expert	<ul style="list-style-type: none"><li>• <b>Qualification:-</b> Minimum 16 years of education in engineering or environmental sciences.</li><li>• <b>Experience:-</b><ul style="list-style-type: none"><li>• Minimum 05 years' technical experience &amp; expertise in methane LDAR, abatement technologies (instrumentation, satellite/drone)</li></ul></li></ul>

Sr #	Key Experts Role	Required Qualifications & Experience
		<p>monitoring), flaring minimization/recovery in upstream/midstream O&amp;G.</p> <ul style="list-style-type: none"> <li>Familiarity with relevant international standards/initiatives (e.g., GGFR).</li> </ul>
4	Process Engineer / Technology Specialist	<ul style="list-style-type: none"> <li><b>Qualification:-</b> Minimum 16 years of education in engineering or environmental sciences.</li> <li><b>Experience: -</b></li> <li>Minimum 05 years' relevant experience with in-depth knowledge of upstream/midstream /downstream O&amp;G infrastructure &amp; processes.</li> <li>Expertise in identifying/evaluating energy efficiency, electrification, fuel-switching, CCUS, hydrogen integration, digital optimization opportunities.</li> </ul>
5	Energy/Climate Policy & Regulatory Analyst	<ul style="list-style-type: none"> <li><b>Qualification: -</b> Minimum 16 years of education in engineering, finance, environmental sciences or public policy</li> <li><b>Experience:</b></li> <li>Minimum 05 years' relevant experience and in depth understanding on Pakistan's energy &amp; climate policy /regulatory frameworks.</li> <li>Experience drafting sector-specific policy/regulatory recommendations &amp; roadmaps.</li> <li>Familiarity with international best practices (IEA, IRENA) &amp; just transition principles.</li> <li>Mandatory local/regional expertise.</li> </ul>
6	Climate Finance & Investment Specialist	<ul style="list-style-type: none"> <li><b>Qualification:-</b> Minimum 16 years of education in finance or related fields</li> <li><b>Experience:</b></li> <li>Minimum 05 years' experience /expertise in sustainable/climate finance instruments (green bonds, carbon markets, blended finance, IFIs).</li> <li>Proven ability developing investment cases, financial models, and mobilization strategies for mitigation technologies/projects in the energy sector.</li> </ul>
7	MRV and Digital Tools Specialist	<ul style="list-style-type: none"> <li><b>Qualification:-</b> Minimum 16 years of education in finance, information technology or computer sciences</li> <li><b>Experience :</b></li> <li>Minimum 02 years' of relevant experience</li> <li>Expertise in monitoring, reporting, and verification of emissions</li> <li>Familiarity with digital platforms for data acquisition, satellite data use, and reporting dashboards</li> <li>Capable of designing MRV architecture aligned with OGDC and international requirements.</li> </ul>
8	Data Scientist	<ul style="list-style-type: none"> <li><b>Qualification:-</b> Minimum 16 years of education in finance, information technology or computer sciences</li> <li><b>Experience: -</b></li> <li>Min 2 years of relevant experience</li> <li>Advanced data modelling and analytics expertise, including machine learning and predictive modelling</li> <li>Experience with large datasets related to emissions, energy systems, or climate risk</li> <li>Familiar with Python, R, cloud platforms, and relevant libraries (e.g., scikit-learn, TensorFlow)</li> <li>Ability to communicate complex data insights to non-technical audiences.</li> </ul>

### **6.3. Local Presence and Experience**

Demonstrated experience working within Pakistan's energy sector and familiarity with the local regulatory, institutional, and stakeholder context is mandatory for key roles (particularly Team Lead, Policy Analyst) and highly desirable for the overall team.

## **7. Budget and Work Methodology**

### **7.1. Work Methodology**

Proposals should detail the proposed methodology for undertaking each task outlined in the Scope of Work, including analytical approaches, modelling tools/software (if any), data sources, and stakeholder engagement techniques. The assignment is deliverable-based, with payments linked to the satisfactory completion and acceptance of key deliverables. However, adherence to the agreed timeline is crucial.

## **8. Risk Management**

Proposals should include a preliminary risk assessment identifying potential challenges to successful project completion (e.g., data availability issues, stakeholder resistance, policy shifts, timeline constraints) and propose concrete mitigation measures.

## **9. Data Access, Confidentiality, and Intellectual Property**

### **9.1. Data Access**

NDRMF will facilitate access to relevant data held by public sector entities, subject to existing regulations and protocols. However, the Firm is responsible for identifying data needs and may need to engage directly with public & private sector entities for specific data, respecting commercial sensitivities.

### **9.2. Confidentiality**

The Firm and its personnel must maintain strict confidentiality regarding any sensitive information obtained during the assignment. Non-Disclosure Agreements (NDAs) may be required with NDRMF and potentially other stakeholders.

### **9.3. Intellectual Property**

All data collected, analyses performed, models developed, and reports/deliverables produced under this assignment shall be the exclusive intellectual property of NDRMF.

## **10. Linkages to Related Standards and Initiatives**

The Strategy may consider and align with relevant international and national frameworks, including:

- The Paris Agreement & Pakistan's NDCs
- The Oil and Gas Decarbonization Charter (OGDC)
- UNFCCC Reporting Guidelines & IPCC Methodologies
- GHG Protocol Standards & Guidance
- ISO 14064
- IPIECA/API/IOPG Guidelines & API Compendium
- Oil and Gas Methane Partnership (OGMP) 2.0 Framework
- Relevant IEA analysis and scenarios (e.g., NZE)
- Pakistan's National Climate Change Policy and related energy policies