

SPPS-III Oil Refining & Marketing Expert (Oil Directorate)

Department: Ministry of Energy – Petroleum Division

Directorate: Oil Directorate

Grade: SPPS-III

Job Purpose:

To provide technical and strategic advisory services on oil refining operations, downstream infrastructure development, petroleum product supply chains, and market regulation in order to strengthen the efficiency, competitiveness, and investment attractiveness of Pakistan's downstream oil sector. The role supports evidence-based policy development, sector modernization, and enhanced energy security.

Qualifications & Eligibility

- *Academic Requirements:*
 - Master's degree in Chemical Engineering, Petroleum Engineering, Business Administration, or Industrial Management.
- *Professional Experience:*
 - Minimum 7 years of experience in oil refining operations, supply chain, marketing, or downstream project development.
- *Preferred Skills:*
 - Deep understanding of refining processes, fuel specifications, and marketing dynamics.
 - Exposure to PPP projects or refinery upgrades preferred.

Key Responsibilities:

- Conduct technical and economic assessments of existing refining capacity in Pakistan, identifying modernization needs, infrastructure gaps, and opportunities for efficiency improvement.
- Review and advise on refinery configuration, process optimization, product slate diversification, and environmental compliance with national and international standards.
- Provide technical input into downstream sector policies, including pricing mechanisms, import/export regulations, blending mandates, and environmental standards (e.g., Euro-V fuels).
- Analyze petroleum product supply chains, logistics, storage, and distribution networks to identify bottlenecks, inefficiencies, and investment needs.
- Evaluate investment proposals for new refinery projects, brownfield expansions, and associated infrastructure (e.g., pipelines, storage terminals).
- Contribute to policy formulation for price deregulation, supply chain resilience, and the introduction of alternative fuels and cleaner energy solutions.
- Advise on global and regional petroleum market dynamics, pricing trends, and their implications for domestic pricing strategies and supply security.

- Develop financial and technical models to assess the viability of refining and downstream infrastructure projects.
- Engage with domestic and international industry stakeholders, including oil marketing companies (OMCs), refinery operators, investors, regulators, and environmental bodies to build consensus and promote sector growth.
- Support the design of public-private partnership models, foreign investment attraction strategies, and policy incentives for downstream sector development.
- Prepare technical reports, policy briefs, and presentations for senior decision-makers within the Ministry of Energy, Economic Coordination Committee, and Cabinet-level forums.

Skills & Competencies:

- Deep technical knowledge of refinery operations, process units (e.g., distillation, hydrotreating, catalytic cracking), and product quality management.
- Understanding of petroleum product marketing, supply chain logistics, and distribution networks.
- Strong background in petroleum economics, including refining margins, price differentials, and fuel taxation.
- Familiarity with global market trends, crude oil pricing, product benchmarks (e.g., Platts, Argus), and energy transition considerations.
- Proficiency in financial modeling, project evaluation, and cost-benefit analysis for downstream infrastructure investments.
- Knowledge of environmental standards, emissions regulations, and cleaner fuels adoption (Euro-IV/V, LNG, biofuels).
- Policy analysis and regulatory advisory skills, including experience with deregulation, competition policy, and strategic reserves management.
- Strong analytical and problem-solving abilities to evaluate technical data, economic models, and regulatory impacts.
- Excellent written and verbal communication skills to convey technical and policy advice to both technical and non-technical audiences.
- Stakeholder engagement and negotiation skills for managing industry-government dialogues.

Monitoring & Evaluation:

- Monitor key performance indicators (KPIs) for refinery utilization, product output, import dependency, and environmental compliance.
- Track the effectiveness of downstream policies on supply security, pricing stability, and sector investment.

- Assess the implementation status of refinery modernization programs and infrastructure development projects.
- Provide periodic sector reviews and policy impact assessments to support evidence-based decision-making.

Remuneration

- As per SPPS-III pay scale: Market-competitive remuneration package with applicable allowances as per Government of Pakistan rules.