

ANNUAL REPORT

2020-21



Oil & Gas Regulatory Authority
Government of Pakistan
Cabinet Division







R E S I L I E N C E

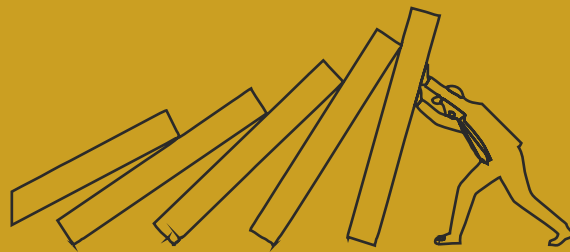


COVID19 pandemic disrupted the life and livelihood of the entire world. Whether it be individuals or corporates COVID19 shattered everything, however human resilience not only overcame the fears of this pandemic but also fought tooth and nail against it. Humanity won the fight against COVID through “Commitment, efficiency, judiciousness, teamwork and foresightedness”.

Oil and Gas Regulatory Authority is one of the conspicuous illustrations of this resilience, in spite of all odds the true spirit of **teamwork, efficiency, commitment, judiciousness and forward looking** was displayed in all of its actions, which are highlighted in the pages ahead.



MISSION STATEMENT



“Safeguarding public interest through efficient and effective regulation in the midstream and downstream petroleum sector.”



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CHAIRMAN'S MESSAGE







Chairman's Message

I am pleased to present Oil & Gas Regulatory Authority's annual report for fiscal year 2020-21. It has been a very exciting and intensive year- for me personally. I took charge of Chairman OGRA in March, 2020 indeed an honour to head an organization which regulates more than two third of country's energy sector and fuels the engine of the economy.

OGRA plays its regulatory role pro-actively in implementing the Government's economic reform agenda particularly in oil and gas sector to achieve objectives of fostering competition with increased private investment and ownership in the mid and downstream petroleum industry with protecting the public interest through effective and efficient regulations.

In FY 2020-21, a tiny virus humbled the human race and ignited a development emergency. Its impact was multi-facet, the COVID-19 pandemic was-and continues to be- a uniquely common experience for our generation, with no space for bystanders. People everywhere struggled to stop the spread of the virus, save lives and respond to the unprecedented socio-economic trauma it created. However, OGRA with all odds teamed up and resolved to show 'resilience' while facing multiple challenges and moving ahead.

During FY 2020-21, granted a licence to K-Electric Limited for construction and operation of natural gas /RLNG transmission pipeline from Port Qasim to KE's Bin Qasim Power Complex. Authority also granted licence to Taber Energy Marketing (Private) Limited, Energas Marketing (Private) Limited and Shell Energy Pakistan (Private) Limited to carry out regulated activity for Sale of Natural Gas / RLNG to the consumers and to Energas Terminal (Private) Limited for construction and operation of 30-inch diameter and 9 Km long Natural Gas / RLNG transmission pipeline from ENERGAS Terminal to SSGC's Custody Transfer Station at Port Qasim. Additionally, Oil Marketing Companies built an additional oil storage of 95,379 MT including 50,019 MT of Motor gasoline and 45,360 MT of High Speed Diesel in the country during current financial year. OGRA for the first time granted five licences for transportation of LPG through road bowzers. This step was taken for the safety of general public and to bring all road LPG transportation into the ambit of regulation.

An important objective of the Authority is to protect public interest from exploitation of licensees by resolving consumer's complaints / grievances. OGRA entertains consumers' complaints against Natural Gas, LPG, CNG and Oil companies free of cost. These complaints are resolved expeditiously and in judicious

manner by providing remedial measures. OGRA resolved 8,272 complaints out of 8,361 during FY 2020–21 and provided financial relief of Rs. 118.31 million and a number of 1,341 gas connections were provided to consumers being due against their complaints.

Another central feature of OGRA's complaint resolution procedure is the right of appeal to the aggrieved party, if the aggrieved party is not satisfied with the decision of the Designated Officer, he/she can appeal to the authority. Appeals are normally disposed of by the Authority within a maximum period of ninety days, after providing opportunity of hearing to the concerned parties. Authority during the FY 2020–21 decided 112 appeals.

OGRA is proactively playing its due role in expeditious resolution of queries and complaints received through Pakistan Citizen Portal (PCP) under Prime Minister Delivery Unit (PMDU) and Clean and Green Pakistan's initiative of Government of Pakistan. OGRA has established two dedicated cells respectively to deal with the public grievances. The necessary actions have been taken against non-compliant outlets/companies to redress the complaints.

Transparency and accountability are the basic criteria of all OGRA's decision making process in determination of revenue requirement and grant of licences. Public hearings are conducted and feedback from all the stakeholder are sought before final decision.

With the rising number of new licensees, the enforcement of technical and safety standards for the facilitation and protection of consumers and general public has become very challenging and top priority area for monitoring and implementation of OGRA rules and standards. The Authority has expanded and increased inspections for enforcement of quality standards, less filling, quality non-conformation and overcharging. Heavy fines have been imposed on violators and in some cases licences have also been suspended/revoked.

OGRA has launched a new initiative to formalize all retail outlets of OMCs as per their allowable storage capacity by directing Department of Explosives to confirm 'K' form of all OMCs's retail outlets. With this, many unauthorized and illegal petrol pumps were sealed by the concerned District authorities upon being found illegal.

OGRA has expanded its outreach to engage all the stakeholders by site visits of energy installations and

through dialogue, workshops, visits to the industry especially Federal and Provincial trade chambers. All these initiatives have not only improved the image of OGRA but also helped in building trust between regulator and the stakeholders.

Behind the results achieved are the day-to-day stories and determination of the millions of people with whom OGRA works. Most important, through all the challenges of fiscal year 2020–21, our culture — as created and sustained by each of our colleagues — was revealed to be our greatest strength. In the moment when we needed it most, we came together as one firm, a community aligned to our shared values and committed to our shared future. These and many other accomplishments in 2020–21 connect directly to the passionate and talented employees who embody our OGRA corporate culture and I believe human resource is the most precious asset of an organization and the success of an organization is accessed from the level of skills, training and capability of its human resource. Fortunately, OGRA has one of highly skilled, trained and well-equipped human resource. I would also like to pay tribute to the commitment and hard work of our employees that enabled OGRA to pursue objectives successfully.

I hope you enjoy the read, and we look forward to receiving your comments.

Masroor Khan
Chairman

کاروائی کرتا ہے۔ اوگرا میں صارفین کی شکایات کے ازالے کیلئے دو خصوصی سیل قائم ہیں۔ شکایات کے ازالے اور قوانین کی خلاف ورزی کرنے والے آؤٹ لیس اور کمپنیوں کے خلاف ضروری کاروائی کی جاتی ہے۔

مالی ضروریات کے نعین اور لائسنس کے اجراء میں شفافیت اور احتساب کو ترجیح دی جاتی ہے۔ حتیٰ فیصلے سے قبل عوامی ساعت کا انعقاد کیا جاتا ہے اور تمام سٹیک ہولڈرز سے آراء طلب کی جاتی ہیں۔ نئے لائسنسوں کی تعداد میں اضافے کی وجہ سے صارفین کی حفاظت اور سہولت کے پیش نظر تکنیکی اور حفاظتی معیارات کا نفاذ اوگرا کی اولین ترجیح ہے۔ اتھارٹی نے کوآپ کے معیار کو یقینی بنانے، کم فلنگ اور اوور چارج کے خلاف جانچ پڑتال کے عمل کو تیز کر دیا ہے۔ خلاف ورزی کرنے والوں پر بھاری جرمانے عائد کیے جاتے ہیں اور بعض اوقات لائسنس بھی معطل / منسوخ کیے جاتے ہیں۔ اوگرا نے سٹوریج کی صلاحیت کی مطابقت آئل مارکیٹنگ کمپنیوں کے تمام ریٹیل آؤٹ لیس کو مجوزہ قوانین کے تحت لانے کے لیے باقاعدہ کام کا آغاز کیا ہے اور ڈیپارٹمنٹ آف ایکسپلوزیوز کو ہدایت جاری کی ہے کہ وہ تمام آئل مارکیٹنگ کمپنیوں کے ریٹیل آؤٹ لیس کے فارم "کے" کی تصدیق کرے۔ ان اقدامات کی بدولت کئی غیر مجاز اور غیر قانونی پٹرول پمپس کو بند کیا گیا ہے۔ اوگرا نے انرجی تنصیبات کے معائنوں میں اضافے، بحث و مباحثے، ورکشاپس، پٹرولیم سیکٹر کے معائنوں اور وفاقی اور صوبائی ٹریڈ چیمبرز کے ساتھ ملاقاتوں کی بدولت تمام سٹیک ہولڈرز تک اپنی رسائی میں اضافہ کیا ہے۔

اوگرا کی شاندار کامیابیوں کے پیچھے لاکھوں لوگوں کی عزم و ہمت کی لازوال داستانیں ہیں جن کے ساتھ اوگرا کام کرتا ہے۔ مالی سال 2020-21 میں تمام تر مشکلات کے باوجود ہمارے ساتھیوں کی بنائی ہوئی روایات کو برقرار رکھنا ہماری سب سے بڑی کامیابی ہے۔ جب بھی ضرورت پڑی ہم سب نے مل کر ایک مشترکہ مقصد کیلئے کام کیا۔ مالی سال 2020-21 میں اوگرا کی تمام تر کامیابیوں کے پیچھے ہمارے محنتی اور ہنرمند ملازمین کی انتھک محنت ہے۔ خوش قسمتی سے اوگرا ماہر، تربیت یافتہ اور قابل ہیومن ریسورس پر مشتمل ادارہ ہے۔ میں تمام اوگرا ملازمین کے عزم اور محنت کو خراج تحسین پیش کرتا ہوں جن کی بدولت اوگرا نے اپنے تمام تر مقاصد حاصل کیے۔ میں امید کرتا ہوں کہ آپ اس مطالعہ سے مستفید ہوئے ہوں گے اور اس بابت میں آپ کی آراء کا منتظر ہوں۔

(مسروخان)

چیمبر مین اوگرا

آئل اینڈ گیس ریگولیٹری اتھارٹی کی مالی سال 2020-21 کی سالانہ رپورٹ پیش کرنا میرے لیے باعث مسرت ہے۔ یہ سال میرے لیے بہت پُر جوش تھا۔ میں نے مارچ 2020 میں بطور اوگرا چیمبر مین عہدہ سنبھالا۔ یہ میرے لیے کسی اعزاز سے کم نہیں تھا، میں ایک ایسے ادارے کا سربراہی کر رہا ہوں جو ملک کے قوانین کے شعبے کا دو تہائی سے زائد حصہ ریگولیٹ کرتا ہے اور ملکی معیشت کی ترقی میں اہم کردار ادا کرتا ہے۔

اوگرا حکومت کے اصلاحاتی ایجنڈے خصوصاً آئل اور گیس کے شعبے میں ریگولیٹری باڈی کا کردار ادا کرتا ہے جس کا مقصد ڈاؤن اسٹریم پیٹرولیم انڈسٹری میں نجی سرمایہ کاری کے فروغ اور مقابلے کی فضاء پیدا کرنا اور موثر ریگولیٹری ذمہ داریوں سے مفاد عامہ کا تحفظ کرنا ہے۔

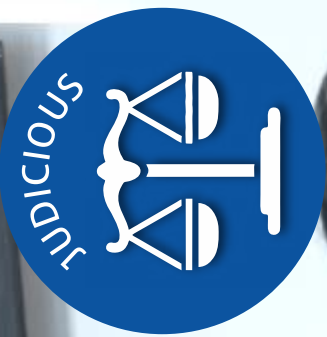
مالی سال 2020-21 میں کوورونا وائرس کی وبا نے نہ صرف انسانی زندگی کو بہت متاثر کیا ہے بلکہ ایمرجنسی کی صورتحال پیدا کر دی ہے۔ اس وائرس نے ہمیں کئی اعتبار سے متاثر کیا ہے جس کے اثرات ابھی بھی جاری ہیں۔ دنیا بھر میں لوگ وائرس کے پھیلاؤ اور اس سے ہونے والے نقصان کو روکنے میں ناکام رہے ہیں اس وائرس نے دنیا بھر میں گہرے معاشی و سماجی اثرات چھوڑے ہیں۔ تاہم، اوگرا نے تمام تر نامساعد حالات کے باوجود بھی اس صورتحال کا کامیابی سے مقابلہ کیا اور ترقی کا سفر جاری رکھا۔

مالی سال 2020-21 کے دوران اوگرا نے کے۔ الیکٹرک لمیٹڈ کو پورٹ قاسم تاک کے۔ الیکٹرک بن قاسم پاور پبلیکس تک قدرتی گیس / آرائل این جی کی ترسیلی پائپ لائن کی تعمیر اور آپریشن کا لائسنس جاری کیا۔ اوگرا نے تعبیر انرجی مارکیٹنگ (پرائیویٹ) لمیٹڈ، انرجی مارکیٹنگ (پرائیویٹ) لمیٹڈ اور شیل انرجی پاکستان (پرائیویٹ) لمیٹڈ کو صارفین کو قدرتی گیس / آرائل این جی کی فروخت کے مد میں ریگولیٹڈ سرگرمیوں اور انرجی ٹریڈنگ (پرائیویٹ) لمیٹڈ کو انرجی ٹریڈنگ ٹائٹل ٹائٹل ایس ایس جی سی سکسٹی ٹرانسفریشن پورٹ قاسم تک 30 ڈی ایم آئی اور 9 کلو میٹر لمبی قدرتی گیس / آرائل این جی کی ٹرانسمیشن پائپ لائن کی تعمیر اور آپریشن کا لائسنس جاری کیا۔ اس کے علاوہ موجودہ مالی سال میں آئل مارکیٹنگ کمپنیوں نے ملک میں 95,379 میٹرک ٹن اضافی آئل سٹوریج سہولیات کی تعمیر کی جس میں 50,019 میٹرک ٹن موٹر کیوسولین اور 45,360 میٹرک ٹن ہائی پریشر ڈیزل شامل ہے۔ اوگرا نے پہلی بار اپیل این جی کی بذریعہ روڈ باؤزرز ترسیل کیلئے 5 لائسنس جاری کیے۔ ان لائسنس کے اجراء کا مقصد عوام الناس کی حفاظت کے پیش نظر اپیل این جی کی ترسیل کو ریگولیٹ کرنا ہے۔

اوگرا کا ایک اہم کردار صارفین کی شکایات کے بروقت ازالے کے ذریعے انہیں لائسنس یافتہ کمپنیوں کے استحصال سے بچانا ہے۔ اوگرا قدرتی گیس، ایل پی جی، سی این جی اور آئل کمپنیوں سے متعلق صارفین کی شکایات کا مفت ازالہ کرتی ہے۔ ان شکایات پر بروقت اور منصفانہ کارروائی کی جاتی ہے۔ اوگرا نے مالی سال 2020-21 کے دوران 8,361 شکایات میں سے 8,272 شکایات کا ازالہ کیا اور صارفین کو 118.31 ملین روپے کا ریلیف فراہم کیا اس کے علاوہ التواء کا شکار 1,341 گیس کنکشنز بھی فراہم کروائے۔

شکایات کے ازالے میں اوگرا کا ایک کردار شکایات دہندہ کو اپیل کا حق دینا ہے، اگر شکایت دہندہ مقررہ افسر کے فیصلے سے مطمئن نہیں ہوتا تو وہ اوگرا میں اپیل دائر کر سکتا ہے۔ اوگرا کی جانب سے متعلقہ پارٹیوں کو ساعت کا پورا موقع فراہم کیا جاتا ہے اور زیادہ سے زیادہ 90 ایم کے اندر اپیل کا فیصلہ کیا جاتا ہے۔ اتھارٹی نے مالی سال 2020-21 کے دوران 112 اپیلوں کا فیصلہ کیا۔

اوگرا پرائم سنٹر ڈیویری یونٹ کے تحت پاکستان سٹیزن پورٹل اور کلین اینڈ گرین پاکستان انیشیٹیو کے تحت موصول ہونے والے استفسارات کا فوری جواب دیتا ہے اور شکایات کے ازالے کیلئے بروقت



PROFILE OF THE AUTHORITY







THE AUTHORITY

Muhammad Arif
Member (Gas)

Masroor Khan
Chairman

Zain-ul-Abideen Qureshi
Member (Oil)



2. Profile of the Authority

2.1 Composition

The Authority, established under the Oil and Gas Regulatory Authority Ordinance, 2002, comprises Chairman, Member Oil, Member Finance and Member Gas. The incumbents are selected by the Federal Government through open competition and appointed on tenure basis. The qualifications and other terms & conditions of their appointment, as provided in the Ordinance, are:-

- a. The Chairman shall be an eminent professional of known integrity and competence with a minimum of twenty years of related experience in law, business, engineering, finance, accounting, economics, petroleum technology, public administration or management.
- b. The Member Oil shall be a person who holds an appropriate degree in the relevant field and is an experienced, eminent professional of known integrity and competence with a minimum of twenty years of related experience in the field of oil, including the transportation thereof.
- c. The Member Gas shall be a person who holds an appropriate degree in the relevant field and is an experienced, eminent professional of known integrity and competence with a minimum of twenty years of related experience in the field of natural gas, including the transmission and distribution thereof.
- d. The Member Finance shall be a person who holds an appropriate degree in the relevant field and is an experienced, eminent professional of known integrity and competence with a minimum of twenty years of related experience in the field of corporate finance or accounting.
- e. The Chairman shall be appointed by the Federal Government for an initial term of four years and shall be eligible for reappointment for a similar term.
- f. The Member Oil and Member Gas shall be appointed by the Federal Government for an initial term of three years and shall be eligible for reappointment for another term of four years.
- g. The Member Finance shall be appointed by the Federal Government for an initial term of two years and shall be eligible for reappointment for another term of four years.
- h. The Chairman and other Members shall retire on attaining the age of sixty-five years.



2.1.1 Chairman

Mr. Masroor Khan has assumed the charge of Chairman OGRA bringing 30 years of local and international experience notably in the field of Downstream Retail fuel, Engineering, Project Management, Oil Asset Management, Joint Venture Governance/Management, Cross Country Oil Pipeline, Downstream Assets acquisition portfolio projects and operational experience in the oil and gas industry including LNG & CNG. Masroor Khan's vast experience in the energy sector includes Oil infrastructure development and formation of corporate alliances. He has both national and international industrial exposure, as he has had the opportunity to work in various markets including Pakistan, Malaysia, UK and the Philippines. Mr. Khan held regional roles for Thailand, Oman, Cambodia, Laos and Dubai as well.

Mr. Khan has a proven track record as a senior executive and is a strong strategic thinker. He remained part of the team responsible for transforming Pakistan Burma Shell network into the Shell Pakistan brand. Mr. Khan was formerly working as Operations Manager in Pakistan overseeing a widespread Shell Oil Assets across country, providing operational & technical assurance and leading a large team of professionals. He remained Head of Distribution Engineering for Pakistan, UAE & Oman and was responsible for company owned Oil Installations and depots, SBMs and Oil pipelines. He also served as Shareholder Representative for PAPCO (WOP – White Oil Pipeline Project). Mr. Khan also led a strategic growth LNG project from inception to EPCM final design & planning stage.

Moreover, Mr. Khan also held the positions of Network Manager for Pakistan and Oman in Shell Oil Company. Other positions included Planning Manager for Pakistan, Thailand, Oman, Cambodia and Laos and Maintenance Advisor for Asia and Australia based at Malaysia. During the initial stages of his career as 'Planning Engineer' he was deputed at Civil Aviation Authority from NESPAK for the Jinnah Terminal Project, New Quaid-e-Azam International Airport, Karachi.

Mr. Khan's appointment as Chairman OGRA is reckoned as a step further towards the betterment of the organization and fair implementation of regulatory roles for all stakeholders in Pakistan.



2.1.2 Member Finance

Mr. Noorul Haque was appointed as Member Finance on July 23, 2015 for an initial term of two years. In recognition of his services, he was reappointed for second term of four years w.e.f. July 23, 2017. He is Fellow Member of the Institute of Cost and Management Accountants of Pakistan (ICMAP). He has experience of over 32 years in the fields of accounts, finance, audit management, planning at various management positions in public and private sector organizations. He has been associated with OGRA since 2003 in various positions. He has served as Senior Executive Director before his appointment as Member Finance. He played crucial role in formulation of various rules and regulations for oil and gas sectors. He participated at various training programs abroad on utility regulations, bench marking, performance monitoring, natural gas pricing, human resource and project management. He is the first employee of OGRA to be appointed as Member of the Authority.



2.1.3 Member Gas

Mr. Muhammad Arif joined Oil and Gas Regulatory Authority as Member Gas on 21st November 2019. Mr. Arif holds degrees of MBA from the University of Strathclyde, Scotland, UK, LLM in Petroleum Law and Policy from the Centre for Energy, Petroleum & Mineral Law & Policy (CEPMLP), University of Dundee, Scotland, UK, and a Post Graduate Diploma in Petroleum Economics from Oxford, England, UK. He is enrolled as an Advocate by the Punjab Bar Council, Pakistan. Mr. Arif is a Member of Society of Petroleum Engineers and Association of International Petroleum Negotiators, USA. He is a Certified Director and has been on the Board of Khyber Pakhtunkhwa Oil and Gas Company Limited for a year before joining OGRA.

Prior to joining OGRA, Mr. Arif had over thirty (30) years of experience on the commercial, legal and Joint Venture affairs of upstream oil and gas business initially with OGDCL for about 20 years and then with a private oil company for about 11 years as head of Legal, Commercial and Joint Venture Departments. He has a keen interest in petroleum policy, laws and regulation and possess in-depth hands on experience of petroleum industry contracts, market restructuring and business process optimization.

Mr. Arif has deeply analyzed the various complex and multidisciplinary legal and commercial issues and rendered high profile opinions including on impact of 18th Constitutional Amendment on oil and gas industry of Pakistan and published several articles and rendered opinions covering 18th Amendment, Pakistan's petroleum policies and fiscal systems. He is author of numerous research papers, articles and books. He is also main author of Books "Energy Law in Pakistan", published by Wolters Kluwer, Netherlands, and contributed a chapter on Pakistan in book titled "Upstream Law and Regulation" published by Globe Law and Business, UK. He has been a visiting Professor of the International Islamic University, Islamabad teaching Petroleum Laws of Pakistan at LLM level and has so far supervised numerous thesis relating to the oil and gas industry.

Before joining OGRA, Mr. Arif has worked as an independent legal and commercial consultant serving oil and gas industry for about three years.



2.1.4 Member Oil

Mr. Zain-ul-Abideen Qureshi joined Oil and Gas Regulatory Authority as Member Oil on 1st October, 2020.

Mr. Zain-ul-Abideen possesses extensive and diversified experience in Oil & Gas sector. He is a Chemical Engineer by profession having MSc in Chemical Engineering, he also holds Master's Degree in Business Administration and has been serving petroleum industry throughout Pakistan for the last 28 years.

Prior to his appointment as Member (Oil), he has been serving the OGRA as Senior Executive Director. He also remained a member of the policy and research committee of Advanced Studies Centre of NUST, funded by USAID from 2015-17. Similarly, he attended many national/international training courses and seminars and fore-fronted Senior Management positions in 'CALTEX OIL' and 'TOTAL'.

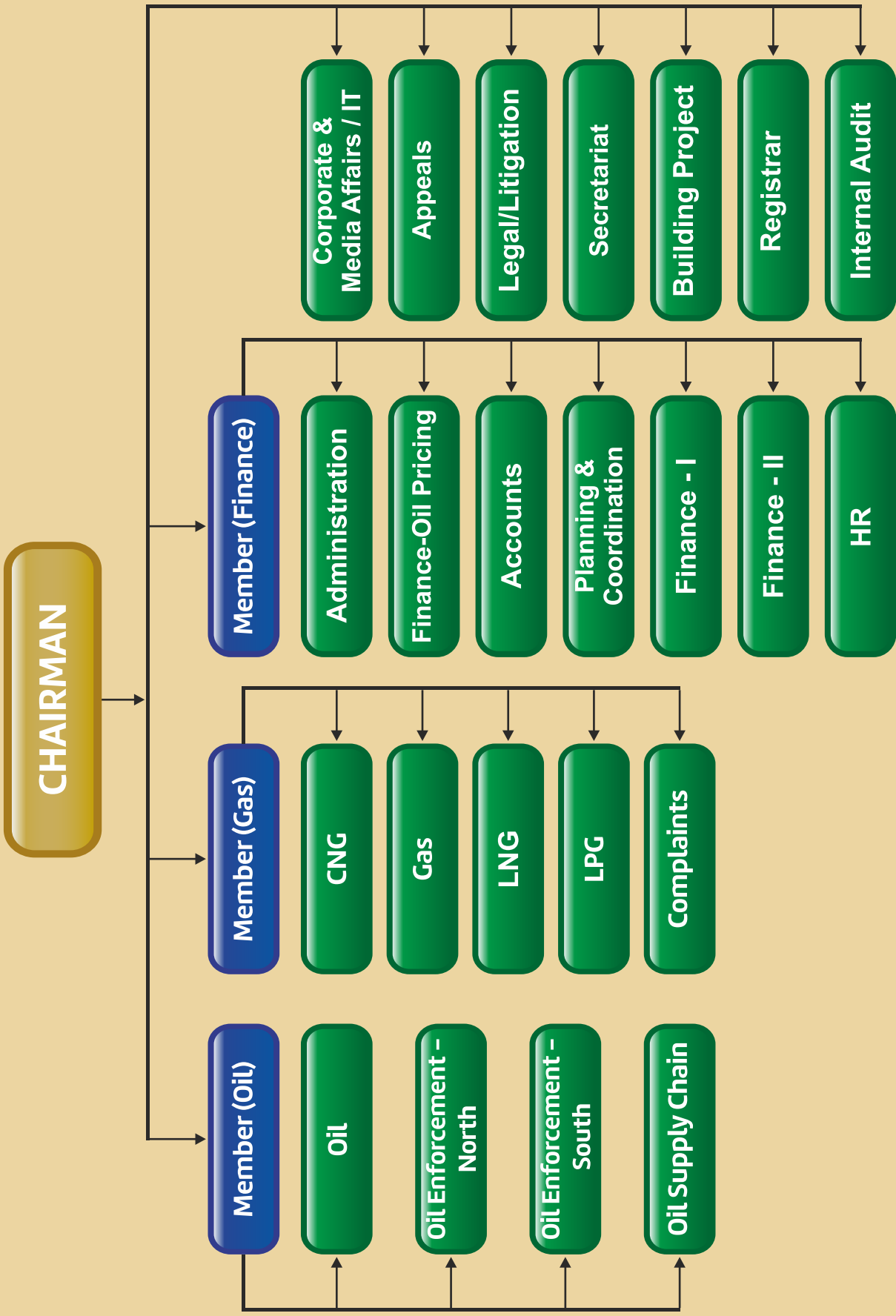




THE ORGANIZATION









POWERS & FUNCTIONS





2.2 Powers and Functions

The Powers & Functions of the Authority as embodied in the Ordinance are as under:-

Exclusive power to grant, amend or revoke licences for regulated activities and enforce compliance of licence conditions to promote efficiency, cost effectiveness, best practices, high safety and service standards etc. The regulated activities are:

Oil

- Construction / Operation of refinery, pipelines, storage facilities, blending facilities and installations.
- Marketing and storage of refined oil products.

Natural Gas

- Construction / Operation of pipelines or storage facilities or other installations.
- Transmission
- Distribution
- Sale

Liquefied Natural Gas (LNG)

- Construction / Operation of LNG receiving, re-gasification terminals.
- Construction / Operation of LNG storage facilities.
- Transportation, filling, marketing and distribution of LNG.

Liquefied Petroleum Gas (LPG)

- Construction / Operation of pipelines, production or processing facilities, storage facilities and installations.
- Production, storage, filling and marketing.

Compressed Natural Gas (CNG)

- Construction / Operation of installations including testing or storage facilities.
- Transporting, filling, marketing and distribution.
- Determine in consultation with the Federal Government and the licensees, a reasonable rate of return to the natural gas licensees.
- Determine the revenue requirement of gas utilities covering the cost of gas, transmission and distribution cost and the prescribed return.
- Develop and enforce performance and service standards.
- Prescribe procedures and standards for investment programmes of the gas utilities and oversee their capital expenditure to ensure prudence.
- Resolution of complaints and disputes between a person and a licensee or between licensees.
- Enforce standards and specifications for refined oil products as notified by the Federal Government.
- Implement policy guidelines of the Federal Government, issued under Section 21 of the OGRA Ordinance subject to their being consistent with the provisions of the Ordinance.

- Exclusive power to employ officers, staff, experts, consultants, advisors and other employees on such terms and conditions as it may deem fit.
- Exclusive powers to decide upon all matters in its jurisdiction.



FUNCTIONS OF THE DEPARTMENTS





2.3 Functions of the Departments

Registrar Office

Registrar Office receives, examines and processes the petitions filed by Gas Utility Companies i.e. SSGCL and SNGPL for determination of their revenue requirements of each financial year under the provisions of the OGRA Ordinance, 2002 and the Natural Gas Tariff Rules, 2002. This includes Determination of Estimated Revenue Requirements (DERR), Review of Estimated Revenue Requirements (RERR), Determination of Final Revenue Requirements (FRR), Motion for Reviews and other Review Petitions filed by the Licensees. This office also processes and conducts procedures for grant of license with respect to Natural Gas (Construction, Transmission and Sale Licenses)/RLNG (Sale), Construction of Oil Pipeline, LNG and Low-Pressure Flare Gas cases. On daily basis, it also receives, scrutinizes and processes the complaints regarding Natural Gas, LPG, CNG and refined oil products lodged by any person or licensee w.r.t. excessive billing, corrections of gas bills, tariffs, low pressure, issuance of demand notices, connections, disconnections and all other matters provided in CRPR, 2003 and forward the same to Designated Officers (Dos) of the concerned departments for appropriate disposal / decision.

Registrar Office also conducts hearings of different Court direction cases wherein tariff / license related matters are remanded to OGRA and thereafter records hearing proceedings and prepares draft decisions for the Authority. This Office also attends daily visitors, complainants, representatives of different companies / legal entities and legal counsels w.r.t. their licensing, tariff and other regulatory issues. Further, this office provides legal opinion and comments on various Court cases, attends different Courts of law, National Assembly, Senate of Pakistan legislative proceedings and representations to different forums as when required of the Federal Government.

Oil Department

OGRA is mandated to regulate mid and downstream oil sector in the country under the Pakistan Oil (Refining, Blending, Transportation, Storage & Marketing) Rules, 2016 and OGRA Ordinance 2002. The powers conferred under the aforesaid Rules & OGRA Ordinance mainly pertains to grant of license to undertake marketing of refined oil products, construction & operation of Oil Infrastructure [i.e. Refinery, oil storage facility, oil transportation pipeline, lube oil blending/ reclamation facility, oil testing facility] and establishing/ operation of lubricant Marketing Companies. Besides aforesaid, Oil Departments also monitor quality of refined oil products through third party laboratory and its own inspections on random basis. Further, conformance of the construction of oil infrastructure with the relevant Technical Standards is also ensured through Third Party Inspection. In addition, complaints (generally related to overcharging, less filling, quality at petrol pumps) are also dealt by the Oil Department in accordance with the OGRA's Complaint Resolution Procedure Regulations, 2003, to redress the grievance of the general public.

Gas Department

The basic functions performed by Gas Department pertain to the grant of licences regarding Sale, Transmission and Distribution of Natural Gas / RLNG, Determination of Revenue Requirements of Gas Utility Companies i.e. SNGPL and SSGCL on regular basis, monitoring and enforcement of rules, regulations / standards and applicable licence conditions, approval of Gas Sale / Purchase Agreements pertaining to the regulated gas sector. Another important task performed by the Gas Department is to handle cases related to Natural Gas Infrastructure Development Projects. Processing of cases regarding Gas Pipeline Capacity Allocation and related Gas Transportation Agreements. Gas Department is undertaking studies such as review of TPA Rules, Network Code, implementation of UFG Study of Gas sector, liaison with International Organizations e.g. World Bank, USAID, etc., regarding Gas Sector Reforms. Furthermore, Gas Department responds/attends the Court Cases pertaining to regulated gas sector and formulation of rules, regulations and procedures for the conduct of licensees. Reports on compliance of licence conditions are being regularly provided by the gas utility companies.

LNG Department

LNG sector is a promising sector with significant anticipated growth in the years to come. OGRA, being the concerned regulator has played a vital role in guiding the companies interested in establishing LNG import infrastructure in the country. Regulation of LNG sector is governed under OGRA (LNG) Rules, 2007 which define pre-requisites for obtaining licences. LNG rules encourage prospective project developer to enter into LNG market after fulfilment of requisite formalities including licence from OGRA as per present policy. Subsequent to issuance of operational licence, the Department monitors compliance to the terms and conditions of the licence. Moreover, OGRA also grants licence for marketing and distribution of LNG, being a regulated activity. The consultants for LNG related tasks have been short listed by the LNG Department which upon requirement are appointed for inspections and for evaluation of application(s).

LPG Department

The core functions of LPG Department include issuance of licences to construct and operate LPG production, storage/filling facilities, air-mix plants and LPG auto-refuelling stations. Other functions are registration of LPG equipment manufacturers and other miscellaneous matters related to LPG sector. LPG Department ensures compliance to OGRA Ordinance, 2002, LPG Rules, 2001 and LPG Policy Guidelines of the Federal Government issued from time to time in all licensing issues under its jurisdiction. Further, it also conducts inspections of storage/filling plants, refuelling stations, production/extraction plants, air-mix plants and manufacturing facilities of equipment manufacturers through short listed third-party inspectors. Moreover, matters related to extension/renewal of licences, amendment/transfer of licences, cancellation/revocation of licences, periodic inspection of LPG works and facilities to ensure their conformity with the laid down standards and annual renewal of the registration of OGRA's authorized manufacturers of LPG equipment are also being handled by LPG Department.

CNG Department

CNG Department regulates CNG sector in the light of provisions of CNG Rules, 1992, OGRA Ordinance, 2002 & Policy of the Federal Government in vogue. There is a ban on issuance of new provisional licence since February, 2008. The provisional licences are converted into marketing licences to operate CNG stations after completion of applicable formalities inter-alia including explosive licence and satisfactory pre-commissioning inspection. In order to ensure safe operation of CNG stations, annual safety audit is conducted through OGRA's designated third party inspectors. The deficiencies, if found are rectified in accordance with provisions of applicable rules/technical standards. In case, CNG stations fail to remove deficiencies within stipulated time period, are penalized as per applicable rules/procedure. The cases regarding amendment, renewal and transfer of CNG licences and equipment, alteration in works etc. are processed upon completion of requisite formalities as per the policy/rules. OGRA enlists local and international CNG equipment manufacturers subject to conformity of applicable international technical standards. Complaints against CNG stations are dealt as per applicable criteria and Complaint Resolution Procedure Regulations, 2003.

Finance Department

Finance Department plays a pivotal role in tariff determination of oil and gas sector as per the powers delegated under the OGRA Ordinance, 2002. Finance Department is primarily involved in the determination of revenue requirement of gas utilities viz; SNGPL & SSGCL. Accordingly, category-wise natural gas sale prices and prescribed prices are notified under the law. Determination and notification of well-head gas prices on biannual basis is also carried out as per the agreements signed between gas producers & GoP.

Finance Department's role is not only limited to the natural gas sector, but also includes monitoring of petroleum products including notification of kerosene oil & E-10 after the deregulation effective June, 2011. Since September, 2008, Inland Freight Equalization Margin (IFEM) is also being managed by the Finance Department including its monthly computation and notification. The Federal Government has also delegated the powers of RLNG price

FUNCTIONS OF THE DEPARTMENTS

determination to OGRA. Accordingly, the same is carried out on monthly basis as per the policy guidelines issued by Economic Coordination Committee (ECC). Further, OGRA issues monthly price notification in respect of Liquefied Petroleum Gas (LPG) in accordance with price fixation formula conveyed by the Federal Government.

Beside tariff determination process of oil and gas sector, Finance Departments has a major contribution in techno-financial and legal matters including tariff related aspects in licensing of natural gas sector, third party access regime, formulation of new tariff regime, unbundling of Sui Companies under Government's gas sector reforms agenda. Finance Department has devised efficiency related benchmarks including HR cost and provision for doubtful debts so as to curtail major component of operating expenditure. These benchmarks have remained successful in terms of allowing prudent and rationale operating cost. Finance Department has always remained vigilant while striving a balance between all stakeholders.

Complaints Department

Complaint against Gas Utility Company is entertained by the Registrar OGRA, if a consumer/person fails to get desired relief from the licensee, the Registrar forwards the complaint to concerned Designated Officer (DO) of the Complaints Department related to specific area under Complaint Resolution Procedure Regulations (CRPR), 2003. The DO performs quasi-judicial functions while dealing with the complaints. The DO after obtaining comprehensive report / response / clarifications from gas utility company/licensee, gives an opportunity of meeting/hearing to both the parties and decide the complaints based on available documentary evidences, hearing proceedings, arguments exchanged etc. as per applicable policy/procedures. Implementation of OGRA's decisions on complaint cases are also ensured by the concerned DO. Further, record of the complaints is also maintained under the respective Designated Officer, who prepares response/replies, if necessary in respect of court case(s)/petition(s) etc. pertaining to complaints cases.

Appeals Department

Appeals Department receives appeals and reviews as per Section 12 (1) and Section 13 of the OGRA Ordinance 2002, which are led by the consumers and licensees against the decisions of the Designated Officers and the Authority respectively, passed in cases of billing, gas pilferage, provision of gas connections and other miscellaneous matters. Appeals Department also receives appeals/reviews of LPG, CNG, Oil Enforcement cases etc. pertaining to imposition of fines and penalties. These cases are accordingly processed and placed before the Authority for hearing. Appeals Department records the hearing proceedings and decisions are prepared as per the directions of the Authority. After approval of the Authority, the decisions are issued to the concerned parties.

Corporate & Media Affairs Department

The primary function of the Corporate & Media Affairs Department is to build and sustain positive perception of the Oil and Gas Regulatory Authority as a progressive and apex Regulatory Authority of mid and downstream petroleum sector in Pakistan. CMA department is also responsible to create awareness of its actions taken in public interest, gain industry buy-in and sensitizing its direct and indirect stakeholders about rules/regulations and their compliance.

To keep abreast the stakeholders about the policies/actions of the organization on regular basis and to build ownership as well as to bridge the communication gap, departments is also engaged in establishing and executing major goals and objectives for OGRA within and outside the Authority. Implement policies established by the Authority. It is pertinent to mention that the CMA department through SED (CMA) is required to provide leadership, direction and guidance over organization's activities, analyse and evaluate the operational effectiveness of the organization. Coordinate major activities through subordinates and appraise assigned personnel, ensure the publication of the annual reports as per national and international standards. SED (CMA) to represent the organization among stakeholders, international organizations, media and the public. CMA department to provide leadership in introducing regulatory reforms, in-line with international best practices and government policies.

CMA department oversee the operations of the P&C, IT and PR/Media departments, handling special projects like Prime Minister Delivery Unite, Clean and Green Pakistan Initiative. Moreover, the department is also focal point for interacting with Wafaqi Mothasib Secretariat, Cabinet Division, and Information Commission.

Planning & Coordination / IT Department

Coordinate all activities of OGRA to produce material for preparation and printing of OGRA Annual Reports i.e. "Report on Conduct of OGRA Affairs" and "Report on State of the Regulated Petroleum Industry" as per provisions of OGRA Ordinance, 2002. Liaison with all Departments/Units of the Authority on multifarious issues as and when required and to coordinate/process cases pertaining to different Ministries/Divisions/Departments, etc. Also coordinate with all Departments for preparation of presentations/briefs for local and international forums on different topics relating to functions/performance of OGRA. Coordinate and provide material to Government functionaries for preparation of Cabinet Year Book, Pakistan Trade Policy, Finance Minister's Budget Speech, Pakistan Five Year Plan, Regulatory Framework, Economic Survey of Pakistan, Performance, Parliamentary relating to National Assembly and Senate etc. The Department also manage IT related services and matters under the Head of IT professional that includes maintenance and information updation of OGRA's website pertaining to oil & gas regulatory issues, place press releases and decisions of the Authority etc. Provision of IT support to end users at all levels of the organization, internet and email services, computer software support/ reinstallation, support hardware specifications and recommendations on IT matters, etc.

IT Orientation

There is need to ensure that information technology is embedded into the culture of an organization with knowledge spread throughout, rather than solely concentrated at an operational level.

OGRA's IT policy is inspired by this thought. All officials in OGRA have dedicated computers and are connected to Local Area Network (LAN) to share resources like printers, scanners, heavy duty network printers, etc. OGRA building has dedicated Fiber Optic Internet links. For efficient communication, OGRA internet email facility is provided to all officers. The Authority is continuously striving to reduce paper usage and achieving efficiency through more intense use of information technology. OGRA maintains web portal "www.ogra.org.pk" which has been designed using latest and secure web development tools. It is user friendly and being updated regularly. Anyone can access it to reach the OGRA Ordinance, Rules and Regulations, Decisions. Press releases, Oil price notifications, Gas & well-head pricing notifications. LPG price notifications & licenses, List of provisional & operational CNG stations, Enforcement press release & news, Tender notices, Job announcements etc. OGRA's website is most popular, frequently viewed domain in the country. It is favorite amongst consumers of petroleum & gas products, media and other stakeholders. OGRA has implemented Licensed software in order to provide better services and utilization of resources efficiently. OGRA has also launched online complaints registration for an easy rapid access by the complainants.

OGRA has developed File Tracking System to facilitate organization internally as well as external stakeholders to check the online status of their applications, which have been submitted to OGRA for obtaining license. It will improve the transparency and efficiency of the organization. OGRA has also developed Really Simple Syndication (RSS) application on its website. It is very easy way for anyone to get a list of headlines alerts and update notices to get the contents, which have been updated on the website.

Implementation of E-office will provide its users with a user-friendly interface to work with and enable them to efficiently dispose of official business. E-Office will not only bring efficiency, effectiveness and transparency within the processes of the organization but it will also reduce the cost of doing business.

Media & Public Relations Department

Media engagement and reputation management in recent past has become crucial for corporate world and has obtained prominent place within the regulatory framework. Media & Public relations Department at OGRA is primarily engaged in combating the miss information, propaganda and crises communication in recent past.

FUNCTIONS OF THE DEPARTMENTS

However, MPR department mainly works by media engagement to create awareness about the working and functions of OGRA as well as its decisions.

Advertising and Publicity is the one of the predominant functions of MPR. Beside brand building and ensuring the correct advertising in line with OGRA's brand image is being done meticulously. Moreover, Networking, media relations, news crafting, press brief development and its publication in the media are thus part of the everyday work. Other core objectives of the Media & PR Department are advertising, event management, public engagement and Protocol affairs. This also includes prequalification of advertising agencies, publication of notices/advertisements in the print media; publication of Gazette notifications and settling accounts thereof to monitor and scan all published material that relates to Oil and Gas Sector and submission of daily press brief to the Authority and to all senior executives.

The Department is also responsible for translation of documents relating to parliamentary business, coordination with the National Assembly, Senate, Cabinet Division, Ministry of Petroleum & Natural Resources (MP&NR) and Prime Minister (PM) Secretariat, ECC, Public Accounts Committees and other sub-committees for briefings. MPR manages the creation as well as monitoring the website contents "English as well as Urdu", Ensures content updating at the website.

Additionally, the department is also engaged in travel/boarding/lodging arrangements for domestic/ foreign visits of the Authority-members and making necessary preparations to conduct meetings/hearings/public hearings/sessions/seminars at Head Office/Outstation and liaison with the embassies for endorsement of visas during the visit of the Authority-members and senior executives. The Department also provides facilitation to the Authority-members at Airport by coordinating with the government organizations.

It is a fact that the role of the Department is to facilitate/provide the correct information to all stakeholders by justifying the material with reference to the Authority and its statutory role in the country.

Administration Department

Administration Department is responsible for overall administrative/management services. This Department has to ensure efficient and smooth administrative operations of the organization which include provision of logistic support to each and every department/unit/section of the Authority and its regional offices. All kinds of administrative matters including procurement, repair & maintenance are also being handled by this Department. Administration Department implements policies relating to all avenues which fall under Management Services. In addition, this Department deals with pre-qualifications of firms, execution & extension of contract/lease agreements relating to procurement agencies and hiring office buildings etc. as per PPRA Rules.

Human Resource Section

OGRA Ordinance, 2002 empowers the Authority to recruit qualified and experienced professionals in the field of Engineering, Law, Finance, Economics, and Management to execute its functions as per OGRA Services Regulation, 2005. In pursuance of the government policy, the Authority advertises all vacancies in the national press and recruit human resource through a competitive & transparent process, while observing provincial quota as prescribed by the Federal Government, in order to provide equal opportunities to all citizens across the country. We feel pleasure to state that OGRA had complied to the Federal Government direction, and implemented the Aghaz-e-Haqooq-e-Balochistan Package in letter and spirit. The workforce diversity at OGRA prevails in terms of gender, region, and professional background. Employees are recruited strictly on the condition as stipulated in the OGRA Service Regulations, 2005 notified under the OGRA Ordinance, 2002.

OGRA Service Regulations, 2005 have been formulated by the Authority to offer a complete range of service policies and rules for the employees. The HR Section is responsible to facilitate all HR functions and process, ranging from recruitments of human resource to their training & development and establishing and executing an effective performance management system while maintaining office discipline/decorum.

The HR Section promotes the policies for well being of the employees which ultimately provide conducive and healthy work environment. In this regard, the cases pertaining to benefits of employees like House Building Advance, Insurance, Gratuity, Leave Encashment, Medical facilitation etc are processed for approval of the competent authority.

In order to ensure appropriate health care facilities to the employees, maintenance of the highest degree of physical, mental and social well-being of OGRA's employees, various private hospitals have been placed on OGRA's panel.

During FY 2020–2021, various employees, both at Executive and Staff level, were nominated for training in order to enhance their skills, knowledge and abilities as per the requirement of their duties. However, the foreign training programme were not conducted during the fiscal year, due to number of Covid-19 waves.

The HR section values the long-term association of employees with the organization, therefore, the attrition of employees is on lower side for the past many years. HR section firmly upholds the tenets of confidentiality, accountability and trust, and values excellence, integrity and internal communication.

The professional segmentation of employees during the FY 2020–2021 is briefly appended as below;

Professional Segmentation of Employees				247
Engineers	51	Lawyers		08
Corporate & Media Affairs	01	IT Professionals		04
Economists	03	Administrative Executives		57
Finance/Accounts/Audit	14	Support Staff		109

Capacity Building

Capacity building is a coordinated process of deliberate interventions to (i) upgrade skills (ii) improve procedures and (iii) strengthen organization. It refers to the investment in human capital, institutions and practices that enable to achieve sustained development objectives.

OGRA is dynamic organization committed to making the most effective use of the talent, skills and abilities of its workforce and helping all employees maximize their contribution to improve organizational performance. To demonstrate its commitment, it has formalized its training programs through the allocation of specific budget resources and through the policy statement: "Opportunities for training will be based on an assessment of employees' development needs and will be provided to each employee." OGRA is cognizant of the importance to invest in human capital. It realizes the "quality of people" which is key factor that differentiate best from the good. It therefore encourages training & development of its employees in management as well as technical/regulatory matters in order to equip them to the international best regulatory practices and techniques in energy sector.

Legal Department

Legal Department provides opinion on legal issues to all departments and the Authority. In pursuance of Section 41 & 42 of the OGRA Ordinance, 2002, the Authority formulates rules and regulations to carry out its regulatory functions, therefore legal department is also entrusted with assignments of vetting of rules, regulations and other notifications documents having legal prospect whenever required.

Litigation Department

The Litigation Department has the prime responsibility to ensure representation in order to defend OGRA before the Courts of Law all over the country. It manages cases pending before the Courts of Law, prepares detailed para-wise comments, reply, written statements in consultation with respective departments and seeks recommendations/approval of the Authority in each case. Keeping in view the nature and gravity of each case, it recommends the suitable lawyer or depute in-house officer to represent OGRA under the robust procedure duly approved by the Authority. The Department maintains records of court cases for information of the Authority.

Secretariat

Secretariat is responsible for performing the duties and responsibilities of secretariat nature, as entrusted to it, under the supervision of Secretary OGRA. Secretariat is mandated to effectively conduct the meetings of the Authority (Regulatory & Administrative) wherein the decisions are taken, in the spirit of OGRA Ordinance, 2002, pertaining to the regulatory affairs of the mid and downstream petroleum sector as well the internal matters of the organization. Key functions/responsibilities include issuance of notice, agenda and working papers to the Authority Members and concerned Departmental Heads after soliciting approval of the Chairman/Chairperson for calling Meeting in accordance with Sub-Section 5 of Section 4 of the OGRA Ordinance, preparation and submission of minutes of the meeting proceedings to the Authority for signatures and dissemination of decisions to the concerned Departments. Further, it monitors the implementation of the decisions by the concerned Departments and compiles the report on implementation status for presentation before the Authority as regular agenda in each Meeting. Secretariat is responsible to coordinate with the Cabinet Division and other agencies regarding the matters of the Chairman/Chairperson and Members of the Authority and it also acts as a custodian of record of declaration of assets submitted by all employees of OGRA on yearly basis.

Internal Audit Department

Internal Audit Department performs its functions as per Regulation 15 of OGRA Financial Regulations 2005. Internal Audit conducts Pre-audit of all bills for payments. It coordinates with the Auditor General of Pakistan who conducts audit of accounts of OGRA. It submits replies to the audit observations, memos and draft paras in consultation with the concerned departments. Internal Audit also coordinates with the Departmental Accounts Committee (DAC) and Public Accounts Committee (PAC) for discussion / settlement of audit paras raised by the Auditor General. Further, Internal Audit renders comments, advices, suggestions, proposals and recommendations on various fiscal, administrative & operational issues to the Authority, if so required.





SENIOR MANAGEMENT

Imran Ghaznavi

Senior Executive Director
Corporate & Media Affairs



Shahzad Iqbal

Senior Executive Director
Appeals & Complaints Department



Muazzam Hussain Ch.

Senior Executive Director
Oil Department



Sarmad Aslam

Senior Executive Director
Oil Enforcement (North)



Anwer Ali Sheikh

Senior Executive Director
Administration Department





Sohail Ahmed Tariq
Senior Executive Director
Oil Enforcement (South)



M. Rizwan-ul-Haq
Senior Executive Director
Legal/Litigation Department



Misbah Yaqub
Senior Executive Director
Gas Department



Atif Sajjad
Executive Director
Oil Supply Chain



M. Asad Latif
Secretary OGRA





Aamir Nusrat

Executive Director
LPG Department



M. Imran Akhtar

Executive Director
LNG Department



M. Murtaza Ch.

Finance (Oil Pricing)
Accounts Department



Zahid Ghani Chishty

Executive Director
CNG Department



Abdul Basit Qureshi

Registrar
Registrar Department







PROCESS





3. Process

3.1 The Authority's Regulatory Decision Making Process

The regulatory framework is a quasi-judicial for issuance of licences, tariff setting and maintenance of proper standards and quality of services by the licensees. Therefore, the Authority is vested under the Ordinance and Rules with the power of delivering decisions. The Authority exercises the power of original jurisdiction in case of petitions filed for the grant of licences for various types of regulated activities, setting of tariff which include determination of estimated and final revenue requirement of natural gas transmission and distribution licensees at the beginning and the end of each financial year respectively, and also its review during the year. In addition to natural gas, the Authority is empowered to grant licences for Oil, CNG, LPG and LNG related regulated activities. The Authority is also vested under the law with the appellate power against the decisions of its delegates and power to review its own decisions.

All petitions are examined in the light of relevant rules, which, inter-alia, involve interactive process of consultation with all stakeholders including consumers through public hearings. This provides the general public an opportunity to put across its point of view on the cost and quality of service provided by the utility companies. This enables the Authority to have the benefit of a wider range of information and all shades of opinion, which it evaluates before reaching a decision. To give a bird's eye view of the process, following **Fig. 3.1** shows the steps involved in the determination of revenue requirement of a gas company from receipt of petition to the notification of prescribed and sale prices.



Authority in the Hearing of Appeals

Fig 3.1 The Process of Determination of Revenue Requirement, Notification of Prescribed and Consumer Gas Prices





PERFORMANCE





4. Performance

4.1 Formulation of Rules and Regulations

Oil and Gas Regulatory Authority is an independent regulatory body. It was established on March 28, 2002 in pursuance of OGRA Ordinance, 2002 with the objective to “foster competition, increase private investment and ownership in midstream and downstream petroleum industry, protect the public interest while respecting individual rights and provide effective and efficient regulations”.

Section 41 and 42 of the OGRA Ordinance, 2002 require the Authority to formulate Rules and Regulations respectively to carry out the Authority's functions as provided in the Ordinance. The Rules are to be approved and notified by the Federal Government, whereas the Regulations are to be approved and notified by the Authority itself. Rule and Regulations are fundamental instruments to achieve the objectives and OGRA's exclusive responsibilities under the OGRA Ordinance, 2002.

Since its inception in March 2002, the Authority has put in place a comprehensive regulatory framework as described in **Appendix I**.

4.1.1 Meetings of the Authority

Section 4(1) of the OGRA Ordinance, 2002 states that the Chairman and two other Members shall constitute a quorum for a meeting of the Authority requiring a decision by the Authority. Authority conducted 14 Regulatory and 10 Administrative meetings during FY 2020–21.

4.2 Mid and Downstream Oil Sector

4.2.1 Regulation

The Federal Government has empowered the Authority to regulate mid and downstream oil sector in the country by enforcing the provisions of sub-section (3) of Section 23 and clauses (a) & (b) of sub-section (3) of section 44 of OGRA Ordinance 2002 with effect from 15th March 2006. Through applicable Pakistan Oil (Refining, Blending, Transportation, Storage & Marketing) Rules, 2016, OGRA is mandated to regulate mid and downstream oil sector in the country. The powers conferred under the aforesaid Rules & OGRA Ordinance mainly pertains to regulate marketing of refined oil products, construction & operation of Oil Infrastructure i.e. Refinery, oil storage facility, oil transportation pipeline, lube oil blending/ reclamation facility, oil testing facility and establishing/ operation of lubricant Marketing Companies.

4.2.2 OGRA's Activities in Oil Sector during FY 2020–21

The brief activities of the oil sector approved by the Authority during the year 2020–21 for regulation of mid and down-stream oil sectors are as under: –

- An addition of around 95,379 MT of Oil Storage (50,019 MT of MS & 45,360 MT of HSD) in the country by the Oil Marketing Companies.
- Grant of two (02) licences to Lube Oil Blending/Reclamation/Grease Plants
- Grant of eight (08) licences to lubricant Marketing Companies (LMCs).

The number of various licences issued in the oil sector is given in **Appendix II**.

4.2.3 Quality Assurance

OGRA under section 6 (2) (x) of the OGRA Ordinance, monitors standard specifications of refined oil products through Hydrocarbon Development Institute of Pakistan (HDIP) at various levels including import, Oil Refineries, OMCs' retail outlets, Oil Depots, Blending/ Reclamation Plants and Terminal Stations of White Oil Pipeline (WOP) System on regular and random basis. With regard to imported petroleum products, 567 quality checks of energy products and 516 quality checks for non-energy products were made.

Similarly, 271 & 2,182 quality checks were carried out at lube blending plants and oil depots respectively. Moreover, 474 quality checks were made at oil refineries and 46 quality checks were conducted at WOP's Terminal Stations.

4.2.4 Enforcement Activities

OGRA conducted inspections at 474 outlets on account of violations (overcharging, less filling and quality non-conformation), and respective companies were served Show Cause Notices with subsequent imposition of penalty as per applicable rules.

4.2.5 Oil Pricing

OGRA was mandated by Federal Government vide Cabinet's decision No. 41/03/2006 dated March 2, 2006, to fix petroleum products prices w.e.f. April 1, 2006, in accordance with the Government's prescribed formula, under Section 6(2)(r) (relating to power and functions of OGRA) and Section 21(2)(b) (regarding policy guidelines) of Oil and Gas Regulatory Authority Ordinance, 2002.

Federal Government has deregulated the prices of petroleum products of Motor Spirit (MS), High Octane Blending Component (HOB), Light Diesel Oil (LDO), Jet Propellant (JP)1, JP4 & JP8 w.e.f. June 1, 2011. As a result, refineries and Oil Marketing Companies (OMCs) fix and announce the ex-refinery prices and ex-depot prices of the same products. Later on, Federal Government deregulated ex-refinery price of High Speed Diesel (HSD) with effect from September 17, 2012 in pursuance of Economic Co-ordination Committee (ECC) decision dated September 4, 2012. Whereas, ex-depot price of HSD has already been deregulated w.e.f. September 2001.

4.2.5.1 OGRA Role under Deregulation

- a. Computation & notification of ex-refinery price of SKO including ex-depot prices of SKO & E-10.
- b. Computation & notification of Inland Freight Equalization Margin (IFEM) for petroleum products i.e MS, HSD, SKO and LDO.
- c. Monitoring of prices of petroleum products under the deregulated scenario.
- d. Computation of road and pipeline freight for transportation of petroleum products.

4.2.5.2 ECC Approved Pricing Parameters

a) Ex-Refinery Formula

Brief description of Ex-Refinery formula based on ECC approved parameters under price deregulation is as follows;

1. Price is based on Arab Gulf Platts daily FOB average for the number of days in the pricing period as the base commodity prices.
2. Premium above, Platts, freight and incidentals is taken as average of PSO's procurement for the pricing period, and added to the base commodity average price in (a) above.
3. Taxation and Levies at applicable rates.
4. Exchange rate is used as provisionally available for PSO but converted to actual upon retirement of LC.
5. In case of non availability of PSO's premium/freight or incidentals of previous fortnight, the PSO's previous month available incidentals of a fortnight are applicable.

b) Ex-Depot Formula

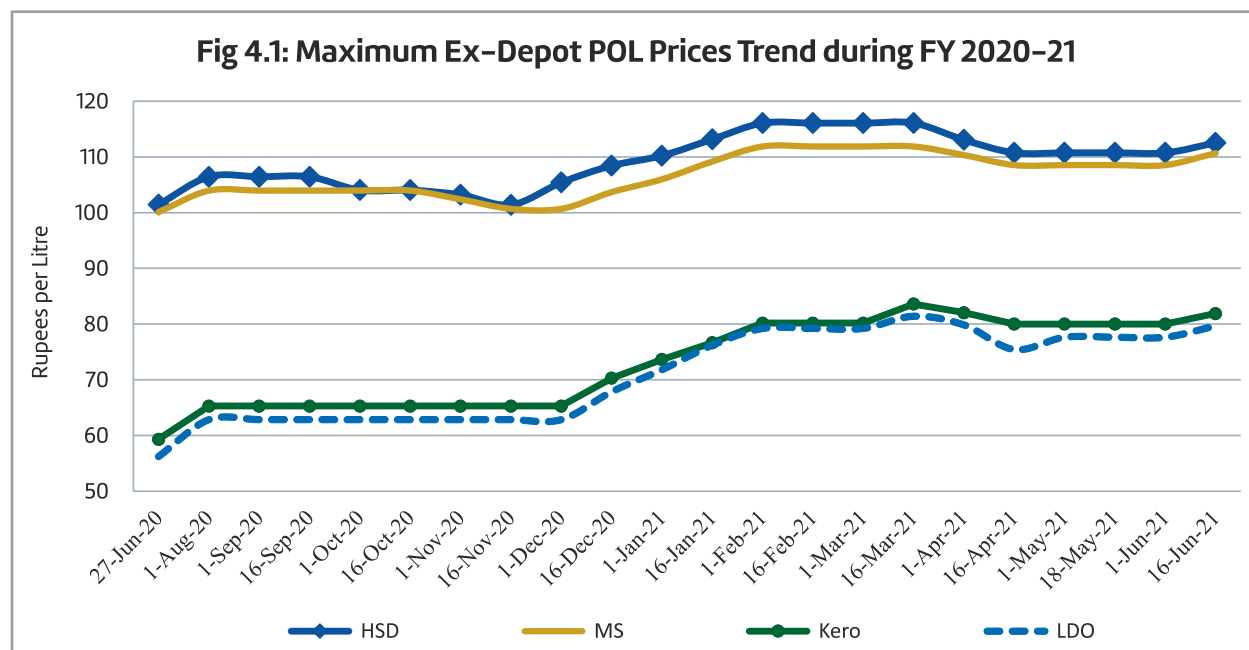
Ex-depot formula of petroleum products consists of following components:

1. Ex-refinery price.
2. Inland Freight Equalization Margin (IFEM).
3. Distribution Margin.

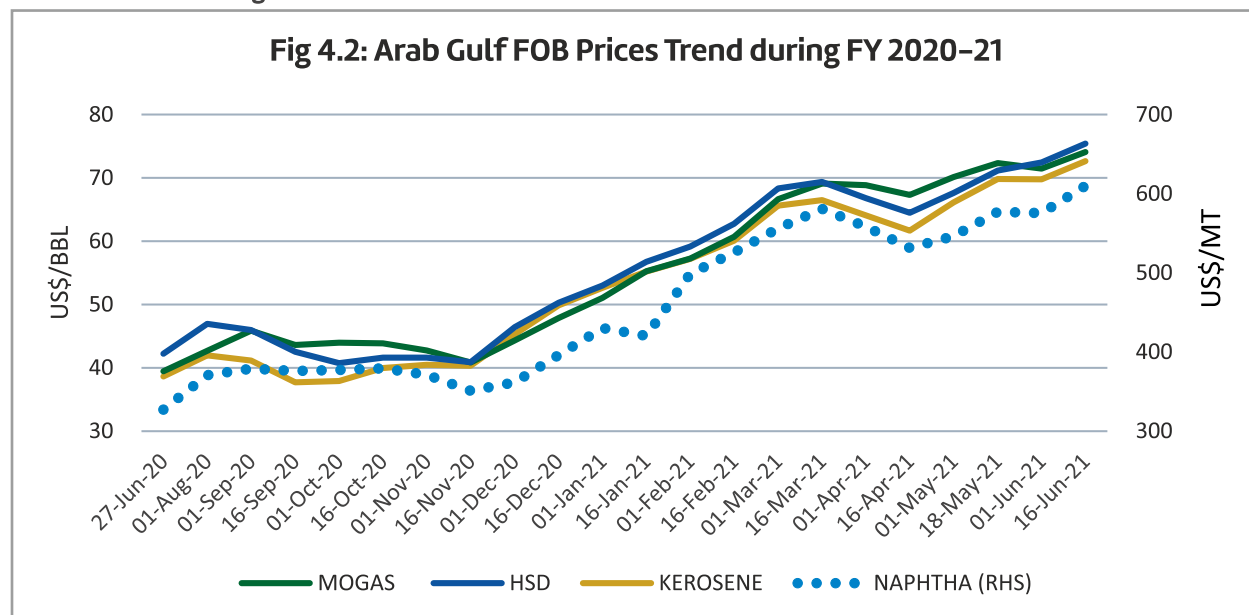
Performance

4. Dealer Commission.
5. Petroleum Levy (PL).
6. Sales tax on petroleum products.

The comparative trend of ex-depot sale prices of petroleum products for FY 2020–21 is shown in **Fig 4.1**



The trend in international petroleum prices represented by changes in Arab Gulf petroleum product prices during FY 2020–21 is shown at **Fig 4.2**.



4.2.5.3 Inland Freight Equalization Margin (IFEM)

Inland Freight Equalization is an integral part of Oil pricing formula. Federal Government had transferred the management of IFEM, including its computation, to OGRA w.e.f. September 1, 2008.

IFEM mechanism is used to equalize prices of fuel products (HSD, MS, LDO and SKO) at 22 depots spread throughout the country despite disparity in transportation costs, except HOB, which was removed from IFEM w.e.f. September 24, 2011 by FG. These locations are as follows:

Sindh (4)	Punjab (12)	Baluchistan (3)	Khyber Pakhtunkhwa (3)	Gilgit Baltistan (1)
1- Karachi	1- Vehari	1- Quetta	1-Taru Jabba	1- Jaglot
2- Shikarpur	2- Mehmood Kot	2- Khuzdar	2- Chitral	
3- Daulatpur	3- Gatti-Faisalabad	3- Gwadar	3- Serai Naurang	
4- Sangi	4- Machike			
	5- Chak Pirana			
	6- Sihala/Chaklala			
	7- Shershah			
	8- Kotla Jam			
	9- Sahiwal			
	10- Faqirabad			
	11- Habibabad			
	12- Kundian			

Secondary Transportation cost from depot to Retail outlets is deregulated and the dealers have been allowed to recover it from the retail consumer by including it in the pump/retail price. Furthermore, secondary freight in special areas (Chitral, Gilgit Baltistan, AJK and some parts of Baluchistan) is also picked up through IFEM mechanism to provide relief to the consumers of special areas.

4.2.5.4 IFEM Management

OGRA is managing the computation and determination of IFEM through two committees, comprising of Oil industry, namely IFEM Committee and Cartage Committee. IFEM Committee provides a forum for computing IFEM and Cartage Committee computes the cartage rates as per the Government approved formula.

IFEM comprised following listed components:

- Actual transportation cost incurred on the movement of petroleum products to 22 storage depots, spread throughout Pakistan, as per movement plan of Oil Marketing Companies.
- Adjustments of extra margins earned by OMCs. Extra Margin (EM)/Additional Margin is an element of Ex-Depot Price of HSD & MS, which is applicable to all OMCs except Pakistan State Oil Company Limited (PSO).
- PARCO PDC, which is the difference between the OGRA announced ex-refinery price and the PARCO Import Parity Price (IPP) allowed to it under PARCO Implementation Agreement and Petroleum Policy 1994. After deregulation w.e.f June 01, 2011, PARCO is allowed to recover Kerosene PDC being the regulated products.

Further in pursuance of ECC decisions of August 16, 2011 & March 21, 2014, PARCO has also been allowed to reimburse the following through IFEM: -

- Diesel Hydro De-Sulphurization (DHDS) (plant for reducing sulphur content) claim i.e. price differential of HSD 0.5% sulphur and Euro-II grade HSD of 0.05% sulphur. PARCO is producing Euro-II HSD w.e.f September 28, 2011. However, PARCO's DHDS claim recovery has been discontinued from February 2017 on the introduction of Euro-II grade HSD of 0.05% by PSO in Pakistan.

Performance

- Recovery of pipeline tariff/cost of transportation of crude oil from Karachi to Mehmoodkot, based on prevalent pipeline rate, for IFEM products (MS, HSD & LDO only) on proportionate basis.
- d. ARL is allowed to recover the crude transportation claim of Adhi and Dhurnal fields from the IFEM.
- e. HSD price differential surplus by refineries, except PARCO, ARL & NRL.
- f. Adjustment of MS RON 92 penalty/differential from local refineries not producing MS RON 92 grade.

Inland Freight Equalization Margin Effective during FY 2020–21

(Rs./Liter)

Effective Period	MOGAS	HSD	KERO	LDO
June 26, 2020	3.19	1.46	2.01	0.84
August 1, 2020	3.22	0.87	2.20	1.21
September 1, 2020	3.21	0.78	2.31	1.55
September 16, 2020	3.21	0.78	2.31	1.55
October 1, 2020	3.53	0.96	2.23	1.38
October 16, 2020	3.50	1.09	2.22	1.37
November 1, 2020	3.48	0.97	2.01	1.11
November 16, 2020	3.48	0.97	2.01	1.11
December 1, 2020	3.44	0.75	1.75	2.03
December 16, 2020	3.50	0.74	1.77	2.05
January 1, 2021	3.53	0.75	1.81	2.07
January 16, 2021	3.56	0.76	1.82	2.08
February 1, 2021	3.78	1.04	2.69	1.64
February 16, 2021	3.82	1.05	2.71	1.65
March 1, 2021	3.86	1.05	2.87	1.68
March 16, 2021	3.86	1.04	2.87	1.68
April 1, 2021	3.93	1.13	2.89	1.85
April 16, 2021	3.89	1.12	2.87	1.84
May 1, 2021	3.69	0.97	2.79	1.84
May 18, 2021	3.69	0.97	2.79	1.84
June 1, 2021	3.64	0.86	3.09	1.69
June 16, 2021	3.64	0.87	3.09	1.69

4.3 Natural Gas Sector

4.3.1 Grant of Licences to Gas Sector

4.3.1.1 Grant of Licence to K-Electric Limited

The Authority, under OGRA Ordinance 2002, NGRA (Licensing) Rules 2002 and OGRA Gas (Third Party Access) Rules, 2018 granted licence to M/s K-Electric Limited (KEL) to undertake construction and operation of 14 inch diameter and approx. 2.4 Km long Natural gas pipeline alongwith ancillary/connected facilities for the purpose of transmission of Natural Gas / RLNG from Tie in Point, SSGCL's Custody Transfer Station (CTS) located at Port Qasim Karachi to KE's Bin Qasim Power Complex (Power Plant).

4.3.1.2 Grant of Licence to Tabeer Energy Marketing (Private) Limited

The Authority, under OGRA Ordinance 2002 and NGRA (Licensing) Rules 2002 granted licence to M/s Tabeer Energy Marketing (Private) Limited (TEML) to carry out regulated activity of Sale of Natural Gas / RLNG to the consumers.

4.3.1.3 Grant of Licence to Energas Marketing (Private) Limited

The Authority, under OGRA Ordinance 2002 and NGRA (Licensing) Rules 2002 granted licence to M/s Energas Marketing (Private) Limited (EMPL) to carry out regulated activity of Sale of Natural Gas / RLNG to the consumers.

4.3.1.4 Grant of Licence to Shell Energy Pakistan (Private) Limited

The Authority, under OGRA Ordinance 2002 and NGRA (Licensing) Rules 2002 granted licence to M/s Shell Energy Pakistan (Private) Limited to carry out Sale of Natural Gas / RLNG to the consumers.

4.3.1.5 Grant of Licence to Energas Terminal (Private) Limited

The Authority, under OGRA Ordinance 2002, NGRA (Licensing) Rules 2002 and OGRA Gas (Third Party Access) Rules, 2018 granted licence to the Energas Terminal (Private) Limited (ETPL) to undertake Construction and operation of 30 inch diameter and approx. 9 Km long Natural gas pipeline alongwith ancillary/connected facilities for the purpose of transmission of Natural Gas / RLNG from ENERGAS Terminal, Chara Creek, Port Qasim, Karachi to SSGC's Tie-in point / Custody Transfer Station (CTS) located at Port Qasim, Karachi.

The licences issued for natural gas and RLNG are given at **Appendix-III**.

4.3.2 Major Projects of SNGPL and SSGCL

Gas Companies, under the provision of rules, terms and conditions of their licences, obtain prior approval of the Authority for undertaking extension in their transmission and distribution networks to cater the demand of different sectors including domestic, commercial and industrial. Based on the same, new projects for transmission and distribution networks of natural gas, envisaged by the Gas Companies/Licensees are placed before the Authority for approval. The projects are approved by the Authority keeping in view the prudence, feasibility and tangible benefits to end consumers.

A brief detail of the infrastructure development projects of SNGPL and SSGCL, approved during FY 2020-21 is given as follows: -

4.3.2.1 Sui Northern Gas Pipelines Limited (SNGPL)

Transmission Projects

SNGPL projected an amount of Rs.1,918 million for transmission network in its Petition for Estimated Revenue Requirement (ERR) for FY 2021-22. The Authority decided to allow an expenditure under the same head at Rs. 389 million as against Rs.1,918 million projected by SNGPL. The details are given in **Table 4.1**.

Table 4.1: Transmission Projects of SNGPL

(Rs. Million)

S. No.	Description of Segments/Other Assets	Petition	Allowed
1	Construction of SMS for New Towns / Modification / Upgrading of SMS/ Purchase of Land	400	-
2	Rehabilitation/Upgradation of Transmission System	143	83
3	Cathodic Protection System (CP System)	452	209
4	Charsadda-Khazana-Tangi Transmission Network System Augmentation	826	-
5	Technical Capacity Building (56" x 260m) (RLNG)	97	97
Total		1,918	389

Distribution Projects

The Authority in SNGPL's DERR 2021-22, approved an amount of Rs. 3,986 million against the projected amount of Rs. 69,354 million for distribution development activities. Furthermore, an amount of Rs. 3,501 million was allowed against Rs. 15,687 million under the head of Measuring & Regulating, the details of which are given in **Table 4.2**.

Table 4.2: Distribution Projects of SNGPL

(Rs. Million)

S. No.	Description	Petition	Allowed
1	Laying of Distribution Mains	45,169	-
2	Laying of Distribution Mains on Cost Sharing Basis (500km) (RLNG)	1,641	1,641
3	System Rehabilitation	6,305	1,661
4	G.I. Pipe and Fittings	720	-
5	KMI Implementation Plan (No.14)	730	365
6	Service Lines Domestic	10,241	-
7	Service Lines Industrial/Commercial (Ring Fenced)	319	319
8	Segmentation of Looped SMSs	1,866	-
9	Augmentation/Bifurcation of Gas Network in Lahore City (Phase -II)	2,363	-
Sub-Total		69,354	3,986
Measuring and Regulating			
10	New Domestic Connections including 10% additional Urgent Fee Connections CMS	8,379	-
11	Construction of TBSs/DRSs	826	-
12	Replacement of Old Meters	2,782	2,375
13	Industrial/Commercial Connections CMS (RLNG Ring Fenced)	261	261
14	Installation of TBS on Operational Grounds	65	-
15	GPRS Based System for Integration of Industrial Connections with SCADA System for Remote Monitoring	29	29
16	Measurement Facility at Isolated TBSs for Micro Monitoring of UFG Losses	3,345	836
Sub-Total Measuring & Regulating		15,687	3,501
Grand Total		85,041	7,487

4.3.2.2 Sui Southern Gas Company Limited (SSGCL)

Transmission Projects

SSGCL projected an amount of Rs. 10,522 million for addition in transmission pipeline of its indigenous Network, whereas, Rs. 2,564 million for addition in transmission pipeline of its RLNG network in its Petition of ERR for FY 2021–22. The Authority allowed the said projects in principle with the direction to complete it during the said year subject to actualization at the time of FRR for the said year. The details of the projects envisaged by SSGCL are given in **Table 4.3**.

Table 4.3: Transmission Projects of SSGCL

(Rs. Million)		
S. No.	Description of Segment	Petition
1	30" Dia x 125 Km Pipeline from SMS Sindh University to SMS Pakland (1st segment)	8,011
2	24" Dia x 31 Km from SMS Karthore to SMS Surjani (ACPL Surjani)	1,818
3	12" Dia x 344 Km QPL Rehabilitation and Intelligent Pigging	379
4	Construction of Sub-merge Crossings	159
5	Upgradation of SMS Thatta	148
6	Check Metering Facility at Shahdampur for Gambat South Field Gas Measurement (RS3)	7
Sub-total (Indigenous Transmission Network)		10,522
1	Tie-In and Integration Arrangement from Tie-In Point 2 to Pakland and Bin Qasim (Ph-1)	825
2	42" Dia x 342 Km (Phase-II) from Pakland to Nara (Leftover)	233
3	30" Dia x 17 Km from CTS Bin Qasim to MVA Pakland	1,079
4	Future Extension of CTS Bin Qasim – RLNG	427
Sub-total (RLNG Transmission Network)		2,564

Distribution Projects

SSGCL had projected an amount of Rs. 11,559 million for Gas Distribution System and related facilities and equipment in its Petition of ERR for FY 2021–22. The Authority provisionally allowed the addition to Gas Distribution System at Rs. 4,507 million for the said year (Indigenous + RLNG), as tabulated in **Table 4.4**.

Table 4.4: Distribution Projects of SSGCL

(Rs. Million)				
S/No.	Description	Petition	Allowed	
			Indigenous	RLNG
1	Rehabilitation Mains and Services, including Segmentation–UFG Control Program	2,023	371	
2	Replacement/ Repair of Undersized Meters	2,470	1,448	
3	Segmentation	133	133	
4	Modems, Installation of EVCs, Filter Separators	171	45	
5	Construction of CMSs, TBSs, TRSs	423	171	
Sub Total UFG Control Program (A)		5,219	2,168	
6	Laying Of Distribution Mains including Services –Existing Areas and DDC	3,579	1,072	
7	Installation of New Connections (meters)	1,336	–	243
8	New Towns	1,044	1,024	
Sub Total Normal (B)		5,959	2,096	
Sub GDS Other Than Major Projects (A+B)		11,178	4,264	
9	8" x 35 KM Supply Main Badin	381	–	
Sub-Total		11,559	4,264	243
Grand Total		11,559	4,507	

4.3.3 Approval of Agreements

The Authority under provision of NGRA Licensing Rules and OGRA Gas TPA Rules 2018, approved the following Gas Contract / Access arrangements for the supply of gas between the Gas Producers and Gas Companies/ Consumers: –

- a) Gas supply contract of a quantity greater than 10 MMCFD of natural gas executed between licensee and consumer.
- b) Gas supply contract of natural gas executed between licensee and producer.
- c) Access Arrangement or interconnection arrangement undertaken by a transporter.

The Gas Supply/Purchase Agreements (GSPAs) for supply of gas between the Gas Companies and Gas Producers/ Consumers considered and approved by OGRA, during the FY 2020–21, are exhibited below:

- Approval of Gas Sale & Purchase Agreement for Gambat South fields initialed between M/s Sui Southern Gas Company (Buyer) and M/s Pakistan Petroleum Limited, M/s Government Holdings Private Limited, M/s Asia Resources Oil Limited (Sellers).
- Term Sheet for Sale of Gas from HRL reservoir of Mari Field to SNGPL.
- Approval for Letter Agreement for Gas Sale & Purchase from Bitrism West Gas Field Located in District Sanghar, Sindh Province between M/s SSGC (Buyer) and M/s OGDCL & M/s GHPL (Sellers).
- Approval for Letter Agreement for Gas Sale & Purchase of EWT–Gas from Bitro Gas Field (Latif Block) located in District Khairpur, Sindh Province between M/s SSGC (Buyer) and M/s UEP Beta GmbH, M/s Pakistan Petroleum Limited & M/s Eni Pakistan (Sellers).
- Approval of Letter Agreement (Temporary Arrangement for Enhancement of Sales Gas) of Khipro Fields located in Distt Sanghar, Sindh Province between M/s SSGC (Buyer) and M/s UEPL (Seller).
- Approval of fourth (4th) Supplemental Agreement for Supply of Blend of System Gas/RLNG Swapped Natural Gas of M/s Fatima Fertilizer & M/s Agritech Limited.

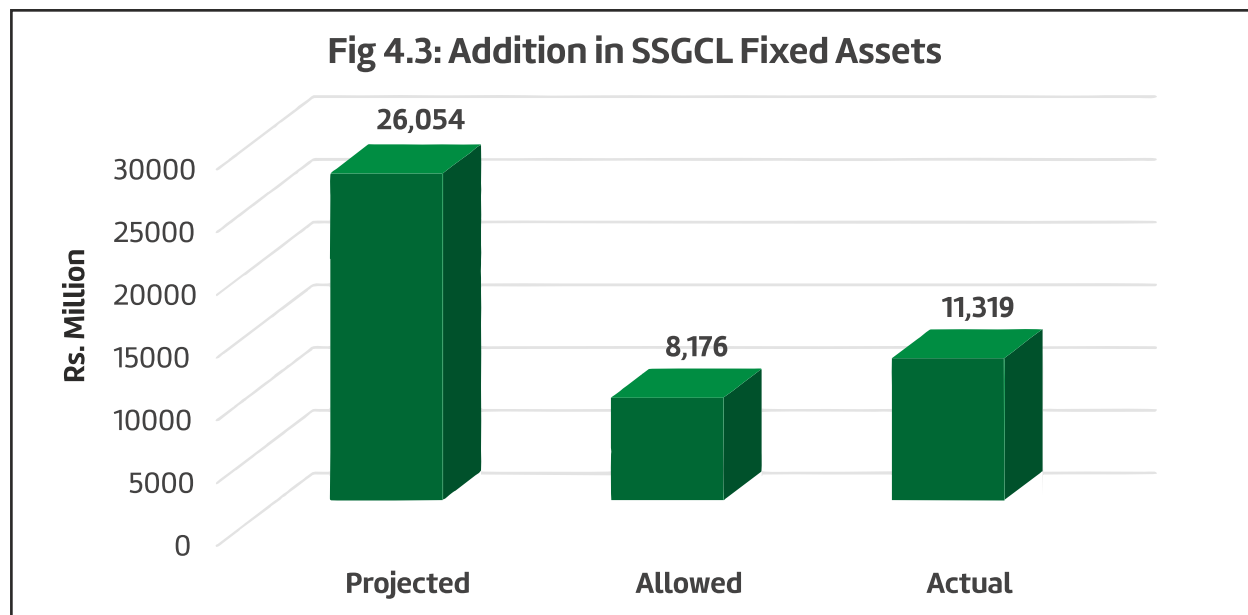
4.3.4 Addition of Assets, Natural Gas Network and Gas Consumers

The Gas Companies are obligated under Rule 4(2) of Natural Gas Tariff Rules to submit Petition, containing projections/ estimates with reference to addition in assets pertaining to the natural gas infrastructure development projects, for the Determination of ERR to the Authority. The Petition is thoroughly examined and decided by the Authority as per Section 8(1) of the OGRA Ordinance, 2002, allowing only the viable and prudent projects and imposing cuts on the investments where felt necessary.

4.3.4.1 Sui Southern Gas Company Limited (SSGCL)

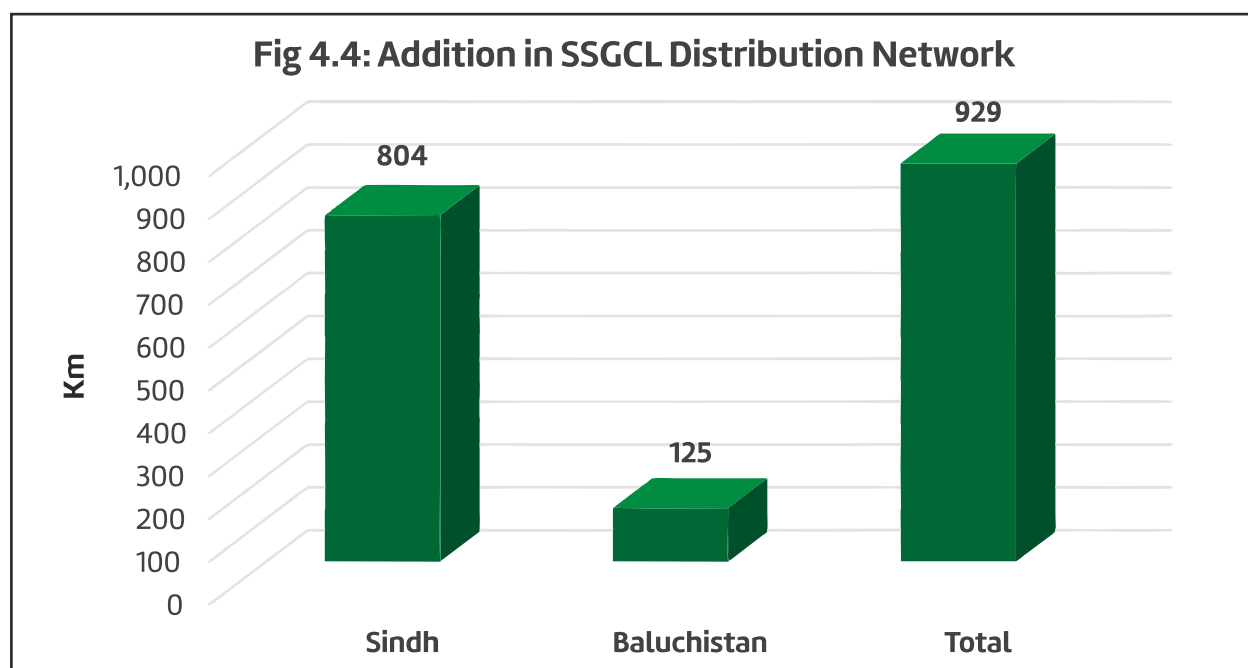
Increase in Assets

SSGCL requested for an increase in assets valuing Rs. 26,054 million as per its Estimated Revenue Requirement (ERR) Petition for FY 2020–21. As per the determination, OGRA allowed a sum of Rs. 8,176 million to the Company, which is shown in **Fig 4.3**. As per SSGCL, they actually incurred an amount of Rs. 11,319 million (Un-Audited) during the said year.



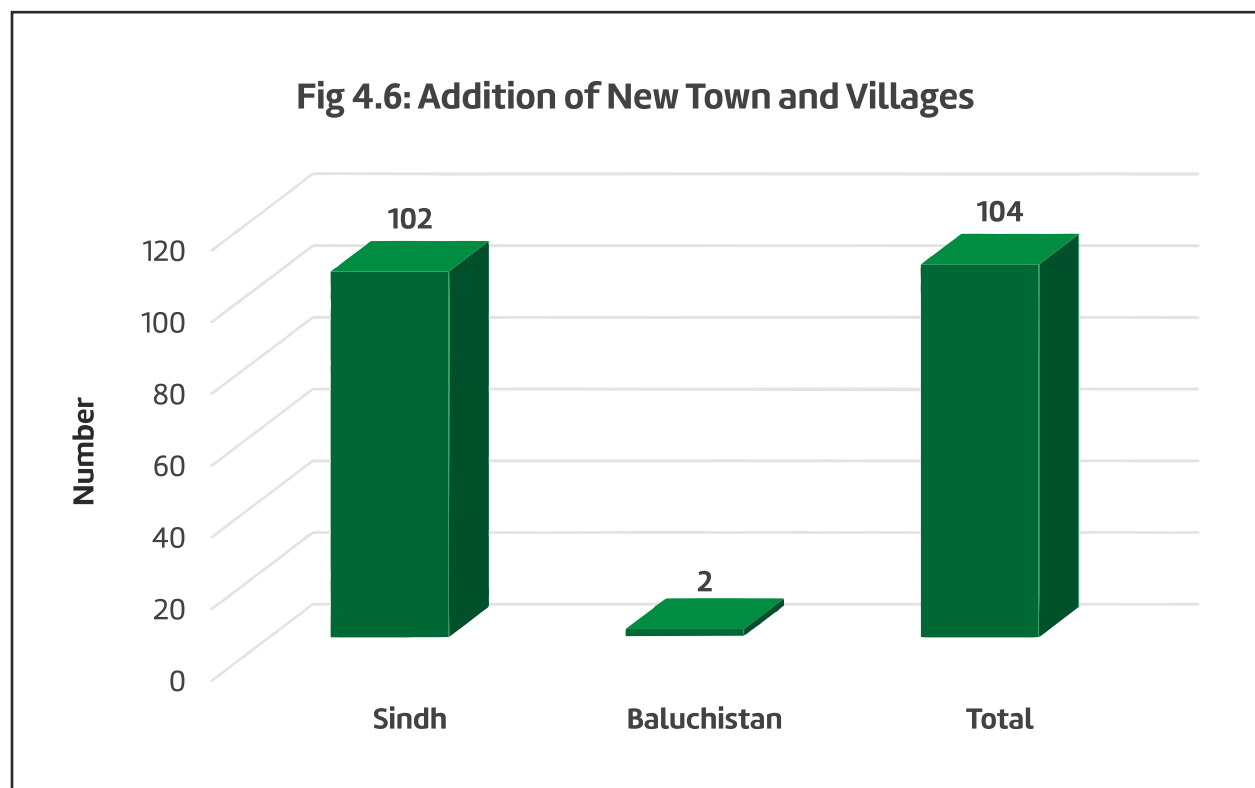
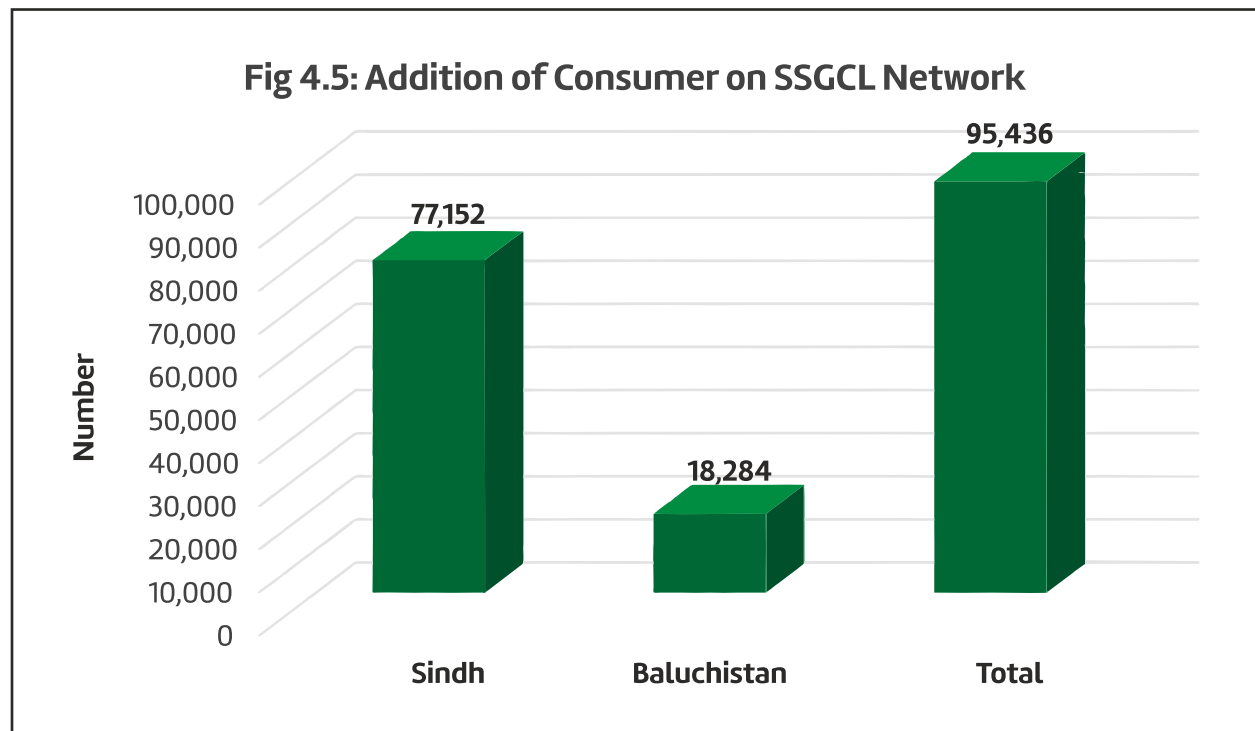
Addition in Transmission & Distribution Network

An addition of 929 Km in the distribution network in Sindh and Baluchistan (**Fig 4.4**) and 17 Km in transmission network in the province of Sindh was undertaken by SSGCL during FY 2020–21.



Number of Consumers Added / Towns & Villages Connected

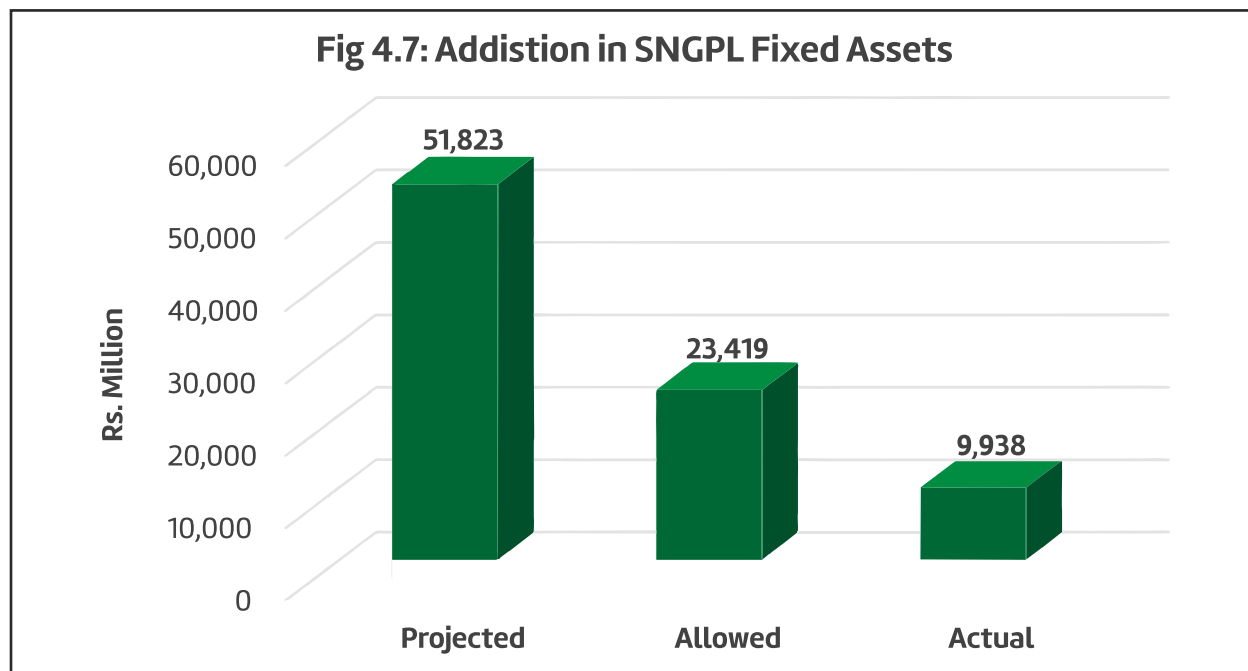
The numbers of consumers added and the numbers of towns and villages connected are shown in **Fig 4.5** and **4.6** respectively. The figures show that 95,436 new consumers were added in the network during FY 2020–21, whereas 104 towns and villages were connected to the gas network in Sindh and Baluchistan.



4.3.4.2 Sui Northern Gas Pipelines Limited (SNGPL)

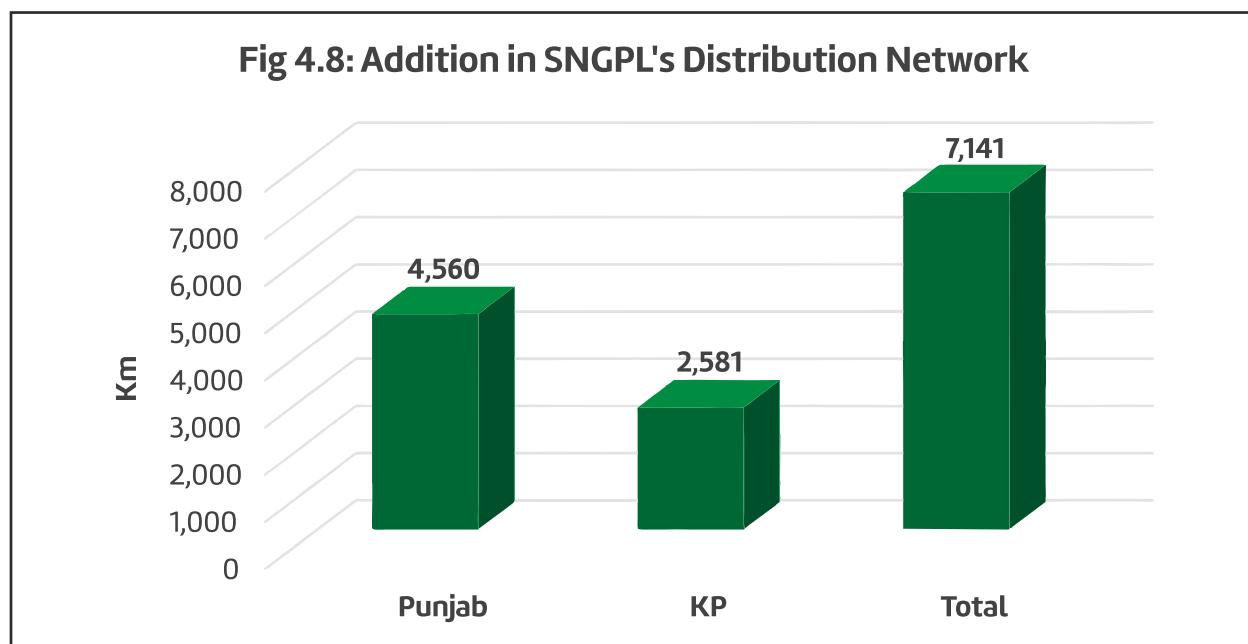
Increase in Assets

SNGPL requested an increase in fixed assets valuing Rs. 51,823 million as per its Review against Estimated Revenue Requirement (RERR) Petition for FY 2020–21. As per the determination, OGRA allowed a sum of Rs. 23,419 million to the Company. SNGPL actually incurred an amount of Rs. 9,938 million (as per Un–Audited interim accounts for nine months period ended March 31, 2021) during the said year which is shown in **Fig 4.7**.



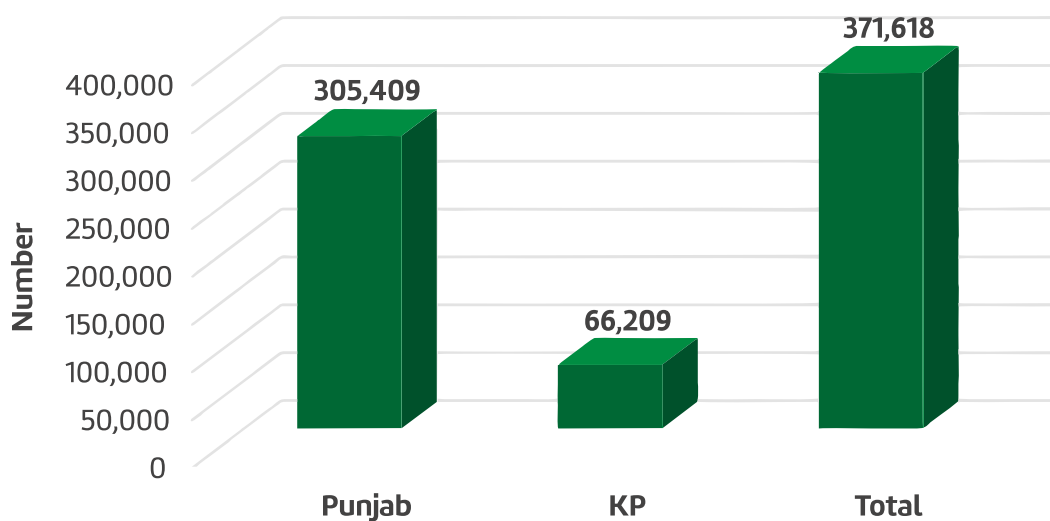
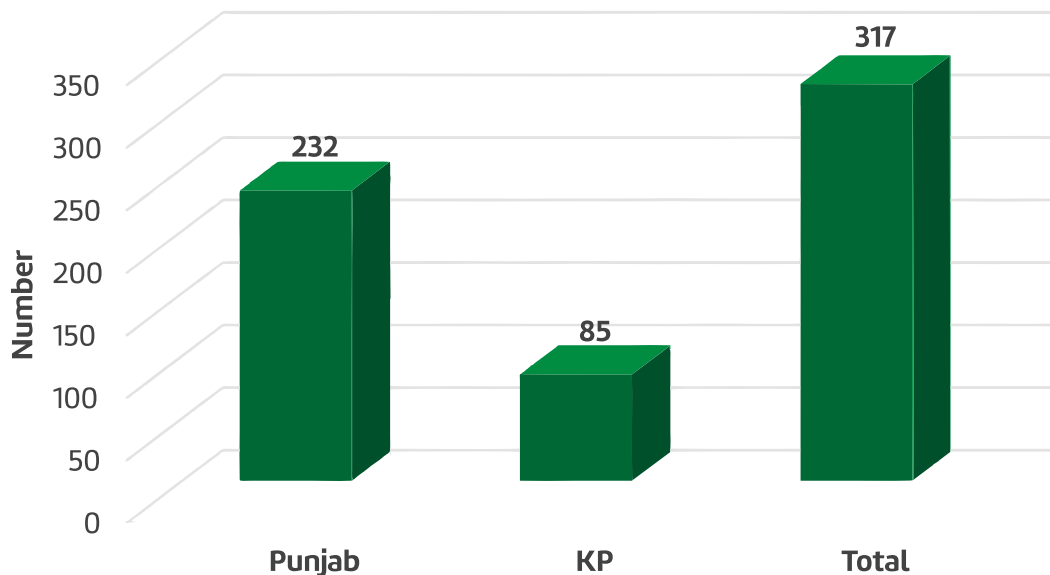
Addition in Transmission & Distribution Network

In FY 2020–21, an addition of 37 Km was made by the SNGPL in its transmission network in the province of Punjab. The Company also added a total of 7,141 Km in its distribution network in Punjab and KP Provinces as shown in **Fig 4.8**.



Number of Consumers Added / Towns & Villages Connected

The numbers of consumers added and towns & villages connected are shown at **Fig 4.9** and **4.10** respectively. The figures show that 371,618 new consumers were added in network during FY 2020-21. whereas 317 new towns and villages were connected to gas network in Punjab and KP.

Fig 4.9: Addition of Consumers on SNGPL's Network**Fig 4.10: New Towns and Villages Connected**

4.3.5 Determination of Revenue Requirement (RR) and Gas Tariff of Gas Utilities

OGRA determines revenue requirement / prescribed prices of natural gas utilities for various categories of retail consumers, for carrying out regulated activities of transmission, distribution and sale of natural gas under Section 8 of the OGRA Ordinance, 2002.

The revenue requirement consists of the following major components:

- (i) Cost of gas paid to the gas producers
- (ii) Transmission and distribution cost including depreciation
- (iii) Market based rate of return (at present, 17.43% of the net operating fixed assets)

The cost of gas, which constitutes bulk of the revenue requirement of the gas utilities, is linked with international prices of crude oil and High Sulphur Fuel Oil (HSFO), according to the Gas Pricing Agreements between the Federal Government (GoP) and the gas producers. Any change in cost of gas is, therefore, practically a pass-through amount and its impact on revenue requirement is calculated in accordance with agreements.

Main head of accounts with major focus are operating revenues, operating cost and assets base are scrutinized. Detailed analysis of each item of operating expenditure and revenue is carried out in terms of rationality and prudence. Only justified and reasonable operating expenditures and revenues are included as part of revenue requirement computations.

The evaluation of addition to fixed assets is carried out to establish prudence of investment. In this whole process need assessment and cost effectiveness is ensured to protect consumers from unnecessary burden as all approved cost is reflected in the tariff.

The gas utility companies submit their Estimated Revenue Requirement (ERR) to the Authority for each financial year by December 1 of the preceding year in accordance with the OGRA Ordinance and the Natural Gas Tariff Rules, 2002. These petitions are scrutinized, processed and decided in accordance with the rules and in light of comments and suggestions of all the stakeholders and general public. Later, determination of Final Revenue Requirement (FRR) is carried out at the end of the financial year on the basis of auditor's initialed accounts.

The companies may also file motion for review against any decision of the Authority, within thirty days, under the relevant provisions of law, and they more often avail this opportunity.

The Authority has also directed SSGCL & SNGPL to submit review petitions to the Authority for revision in cost of gas on the basis of actual and anticipated changes in international prices of Crude Oil and HSFO in October every year.

The Authority has decided the following nine (9) petitions during current financial year.

SSGCL (July 2020 – June 2021)

- Determination of Estimated Revenue Requirement (DERR) FY 2020–21
- Motion for Review on Final Revenue Requirement (FRR) FY 2017–18
- Review of Estimated Revenue Requirement (RERR) FY 2020–21
- Final Revenue Requirement (FRR) FY 2018–19

SNGPL (July 2020 – June 2021)

- Final Revenue Requirement (FRR) FY 2018–19
- Motion for Review on FRR FY 2018–19
- Final Revenue Requirement (FRR) FY 2019–20
- Determination of Estimated Revenue Requirement (DERR) FY 2020–21
- Review of Estimated Revenue Requirement (RERR) FY 2020–21

The process of determination of revenue requirements is transparent and ensures effective participation of consumers and general public through conduct of hearings. This interaction process provides all stakeholders an opportunity to put across their point of view through conduct of hearings on the cost and quality of services provided by the utility companies. This enables the Authority to have the benefit of a wider range of information and all shades of opinion, which it evaluates before reaching a decision.

4.3.5.1 Sui Southern Gas Company Limited

OGRA's Determination of DERR SSGCL for FY 2020-21

SSGCL filed the petition on estimated revenue requirement for FY 2020-21. In exercise of its powers under the Ordinance and NGT Rules, the Authority determined estimated revenue requirement for the said year at Rs. 270,182 million. **Table 4.5** summarizes OGRA's determination in comparison to SSGCL request in various components of revenue requirement.

Table 4.5: OGRA's Determination of DERR of SSGCL for FY 2020-21

(Rs. Million)

Particulars	SSGCL Request	OGRA Determination	Difference
Sales Volume (BBTU)	359,812	359,812	-
Cost of Gas	223,431	217,332	(6,099)
Transmission & Distribution Cost and Others	24,040	16,837	(7,203)
UFG Adjustment	(10,626)	(19,016)	(8,390)
Staggering of Financial Impact on Account of SHC Order	(3,672)	(3,672)	-
Depreciation	7,303	6,847	(456)
Return on Net Operating Assets	9,257	6,893	(2,364)
Additional Revenue Required for Air -Mix LPG Projects	1,080	1,080	-
Prior Years Revenue Shortfall	72,902	50,983	(21,919)
Total Revenue Requirement	317,187	270,182	(47,005)
Total Revenue Available	293,004	283,870	(9,134)
Other Operating Income	6,528	7,102	574
Surplus/ (Shortfall)	(30,711)	6,586	37,297
Average Prescribed Price (Rs./ MMBTU)	881.54	750.90	(130.64)

OGRA's Determination of Motion for Review on FRR SSGCL for FY 2017-18

The Company being aggrieved by the Authority's decision of FRR dated April 23, 2020 submitted review motion under Rule 16 of the NGT Rules seeking average increase in prescribed price of Rs. 21.51 per MMBTU over and above the current prescribed price. The Authority considered the same and allowed some justified components, however, the financial impact of the same was decided to be allowed in upcoming determination owing to no cushion between prescribed price and sale price. **Table 4.6** summarizes OGRA's determination in comparison to SSGCL request in various components of revenue requirement.

Table 4.6: OGRA's Determination of SSGCL's Motion for Review of FRR for FY 2017-18

(Rs. Million)

Particulars	SSGCL Request	OGRA Determination	Difference
Sales Volume (BBTU)	363,575	363,575	-
Cost of Gas	164,938	164,938	-
Transmission & Distribution Cost and Others	26,769	26,328	(441)
UFG Adjustment	(14,866)	(17,167)	(2,301)
Staggering of Financial Impact on Account of SHC Order	(3,672)	(3,672)	-
Depreciation	5,666	5,666	-
Return on Net Operating Assets	9,261	9,261	-
Additional Revenue Required for Air -Mix LPG Projects	512	512	-
Total Revenue Requirement	188,607	185,867	(2,740)
Total Revenue Available	180,787	180,787	-
Surplus/ (Shortfall)	(7,820)	(5,080)	2,740
Average Prescribed Price (Rs./ MMBTU)	499.40	491.86	(7.54)

OGRA's Determination of RERR SSGCL for FY 2020–21

The Authority determined the Review against Estimated Revenue Requirement of SSGCL for FY 2020–21 at Rs. 286,257 million against Rs. 301,224 million demanded by SSGCL. **Table 4.7** summarizes OGRA's determination in comparison to SSGCL request in various components of revenue requirement.

Table 4.7: OGRA's Determination of RERR of SSGCL for FY 2020–21

(Rs. Million)

Particulars	SSGCL Request	OGRA Determination	Difference
Sales Volume (BBTU)	357,722	357,722	–
Cost of Gas	224,566	224,612	46
Transmission & Distribution Cost Including GIC and Others	23,602	19,241	(4,361)
UFG Adjustment	–	(19,718)	(19,718)
UFG adjustment on RLNG Volume Handled Basis (Ring Fenced)	(9,423)	–	9,423
Staggering of Financial Impact on Account of SHC Order	(3,672)	(3,672)	–
Depreciation	7,011	6,857	(154)
Return on Net Operating Assets	7,078	6,873	(205)
Shortfall related to prior year	50,983	50,983	–
Additional Revenue Required for Air–Mix LPG Projects	1,080	1,080	–
Total Revenue Requirement	301,224	286,257	(14,967)
Total Revenue Available	272,982	271,987	(995)
Surplus/ (Shortfall)	(28,242)	(14,270)	13,972
Average Prescribed Price (Rs./ MMBTU)	822.20	778.59	(43.61)

OGRA's Determination of FRR of SSGCL for FY 2018–19

The Authority determined the Final Revenue Requirement of SSGCL for FY 2018–19 at Rs. 268,789 million against Rs. 276,554 million demanded by SSGCL. **Table 4.8** summarizes OGRA's determination in comparison to SSGCL request in various components of revenue requirement.

Table 4.8: OGRA's Determination of FRR of SSGCL for FY 2018–19

(Rs. Million)

Particulars	SSGCL Request	OGRA Determination	Difference
Sales Volume (BBTU)	342,776	342,776	–
Cost of Gas	240,649	240,649	–
Transmission & Distribution Cost and Others	44,217	40,167	(4,050)
UFG Adjustment	(20,464)	(23,916)	(3,452)
Staggering of Financial Impact on Account of SHC Order	(3,672)	(3,672)	–
Depreciation	5,800	5,670	(130)
Return on Net Operating Assets	9,560	9,427	(133)
Additional Revenue Required for Air–Mix LPG Projects	465	465	–
Total Revenue Requirement	276,554	268,789	(7,765)
Total Revenue Available	187,792	182,128	(5,664)
Surplus/ (Shortfall)	(88,762)	(86,661)	2,101
Average Prescribed Price (Rs./ MMBTU)	794.39	771.74	(22.65)

4.5.3.2 Sui Northern Gas Pipelines Limited

OGRA's Determination of FRR of SNGPL for FY 2018-19

The Authority determined SNGPL's FRR FY 2018-19 at Rs. 229,060 million as against petitioner's claim of Rs. 270,755 million. **Table 4.9** summarizes OGRA's determination in comparison to SNGPL request in various components of revenue requirement.

Table 4.9: OGRA's Determination of FRR of SNGPL for FY 2018-19

(Rs. Million)

Particulars	SNGPL Request	OGRA Determination	Difference
Sales Volume – BBTU	391,311	387,131	4,180
Cost of Gas Sold	189,882	184,670	(5,212)
UFG Adjustment	(750)	(10,698)	(9,948)
Transmission and Distribution Cost	26,171	21,261	(4,910)
Depreciation	13,937	13,582	(355)
Late Payment Surcharge (Payable) & Cost of Short –Term Borrowing	18,364	487	(17,877)
Others Operating Expenses	4,889	2,280	(2,609)
Return on Net Operating Assets	18,262	17,478	(784)
Total Revenue Requirement	270,755	229,060	(41,695)
Total Revenue Available	190,882	188,613	2,269
Surplus / (Shortfall) Including Previous Year's Revenue Shortfall	(202,049)	(162,623)	(39,426)
Average Prescribed Prices (Rs./MMBTU)	967.12	869.86	(97.26)

OGRA's Determination of Motion for Review against SNGPL's FRR for FY 2018-19

The company being aggrieved by FRR determination, submitted motion for review under Section 13 of Ordinance, 2002 read with Rule 16 of Natural Gas Tariff Rules, 2002 for seeking increase in current prescribed price against different heads. The Authority considered the same and allowed prescribed price at Rs.881.40/MMBTU (including Rs.315.60/MMBTU) in respect of previous years short fall.

OGRA's Determination of FRR of SNGPL for FY 2019-20

The Authority determined FRR for FY 2019-20 at Rs. 246,814 million as against petitioner's claim of Rs. 280,573 million. **Table 4.10** summarizes OGRA's determination in comparison to SNGPL request in various components of revenue requirement.

Table 4.10: OGRA's Determination of FRR of SNGPL for FY 2019-20

(Rs. Million)

Particulars	SNGPL Request	OGRA Determination	Difference
Gas Sales Volume – BBTU	347,771	347,771	–
Cost of Gas Sold	192,534	196,826	4,292
UFG Adjustment	(750)	(11,742)	(10,992)
Transmission and Distribution Cost	17,273	26,142	8,869
Depreciation	15,255	15,255	–
Late Payment Surcharge (Payable) & Cost of Short –Term Borrowing	32,525	271	(32,254)
Others Operating Expenses	4,542	904	(3,638)
Return on Net Operating Assets	19,194	19,158	(36)
Total Revenue Requirement	280,573	246,814	(33,759)
Total Revenue Available	197,909	198,366	(457)
Surplus / (Shortfall)	(82,664)	(48,448)	(34,216)
Average Prescribed Prices (Rs./MMBTU)	767.52	669.13	(98.39)

OGRA's Determination of DERR of SNGPL for FY 2020-21

The Authority determined estimated revenue requirement for FY 2020-21 at Rs. 219,542 million. **Table 4.11** summarizes OGRA's determination in comparison to SNGPL request in various components of revenue requirement.

Table 4.11: OGRA's Determination of DERR of SNGPL for FY 2020-21

(Rs. Million)

Particulars	SNGPL Request	OGRA Determination	Difference
Gas Sales Volume – BBTU	323,070	323,070	–
Cost of Gas Sold	163,047	162,356	(691)
UFG Adjustment	(750)	(7,041)	(6,291)
Transmission and Distribution Cost	27,382	18,624	(8,758)
Depreciation	23,636	22,845	(791)
Late Payment Surcharge (Payable) & Cost of Short –Term Borrowing	21,196	705	(20,491)
Others Operating Expenses	1,693	–	(1,693)
Return on Net Operating Assets	23,964	22,053	(1,911)
Total Revenue Requirement	260,168	219,542	(40,626)
Total Revenue Available	232,544	232,769	(225)
Surplus / (Shortfall)	(27,624)	13,227	(40,851)
Average Prescribed Prices (Rs./MMBTU)	749.75	623.31	(126.44)

OGRA's Determination of RERR of SNGPL for FY 2020-21

The Authority determined the review against estimated revenue requirement at Rs. 228,703 million and prescribed price at Rs. 644.84/MMBTU. **Table 4.12** summarizes OGRA's determination in comparison to SNGPL request in various components of revenue requirement.

Table 4.12: OGRA's Determination of RERR of SNGPL for FY 2020–21

(Rs. Million)

Particulars	SNGPL Request	OGRA Determination	Difference
Gas Sales Volume – BBTU	324,288	324,288	–
Cost of Gas Sold	168,784	166,193	(2,591)
UFG Adjustment	(6,811)	(7,534)	(723)
Transmission and Distribution Cost	29,458	23,951	(5,507)
Depreciation	23,207	22,870	(337)
Late Payment Surcharge (Payable) & Cost of Short – Term Borrowing	20,491	705	(19,786)
Others Operating Expenses	1,941	392	(1,549)
Return on Net Operating Assets	22,877	22,126	(751)
Total Revenue Requirement	259,947	228,703	(31,244)
Total Revenue Available	224,351	224,351	–
Surplus / (Shortfall)	(35,596)	(4,352)	(31,244)
Average Prescribed Prices (Rs./MMBTU)	741.18	644.84	(96.34)

4.5.4 Human Resource Cost Benchmark

The Authority had introduced HR benchmark for the very first time in FY 2004–05. Later on, the Authority, on the basis of business dynamics, manpower rationalization, and cost of labor, wages and uniform base rate for both gas utilities, reviewed and revised HR benchmark from time to time.

During FY 2020–21, the Authority allowed HR Cost on provisional basis at the level of RERR for FY 2019–20 with the direction to rationalize the pay structure of Sui Gas companies.

4.5.5 Determination and Notification of Well–Head Gas Prices

OGRA has been determining the wellhead prices of Natural Gas produced by the Exploration & Production Companies of Pakistan, under Section 6(2)(w) of OGRA Ordinance, 2002 read with Natural Gas (wellhead price) Regulations, 2009 and notifying the same in the official gazette biannually. Accordingly, the Authority has issued 157 well–head gas price notifications during Financial Year 2020–21. The summary of these notified wellhead gas prices (field wise) is placed at **Appendix–IV**.

4.5.5 Notification of Prescribed and Sale Prices (Natural Gas Sector)

Under OGRA Ordinance, 2002, the Authority is required to notify the prescribed prices for each category of consumers for natural gas of both the gas companies in order to enable each licensee to achieve the revenue requirement as determined by the Authority. During the year under review, the Authority has also issued (02) notifications of prescribed prices for both the gas utilities i.e. SSGCL and SNGPL.

During FY 2020–21, Federal Government advised category–wise sale prices which are placed at **Appendix–V**.

4.4 Liquefied Natural Gas (LNG)

Liquefied natural gas (LNG) is natural gas that has been converted to a liquid form by cooling it at approximately – 260 Fahrenheit, making it much easier to ship and store when pipeline transport is not feasible. In its liquid state, natural gas takes up 1/600th of the space, meaning that natural gas volume is reduced 600 times. In its compact liquid form, natural gas can be shipped in special tankers to terminals around the world. At these terminals, the LNG is returned to its gaseous state and transported by pipeline to distribution companies, industrial consumers, and power plants.

Pakistan's economic growth demands higher energy inputs whereas indigenous oil and gas production is not sufficient enough to meet the energy needs of the country. Pakistan's primary energy supply mix shows Natural gas is playing a key role in country's economic development by accounting for nearly 50% of its total primary energy supply mix. The Natural gas market of Pakistan is among the biggest in Asia, however with continuous increase in Natural Gas demand and dwindling indigenous reserves the reliance of Pakistan on Liquefied Natural gas (LNG) has been increasing over the years and is likely to further increase in the future.

In view of the Natural gas demand supply gap, GoP introduced LNG Policy in year 2006 for potential investors to facilitate the successful implementation of LNG import projects. The said policy in year 2011 was modified to attract more investment which is still in field. As per the said Policy, the project structures can be (i) INTEGRATED; in which the terminal developer arranges LNG imports as well as arrange its own buyers and (ii) UNBUNDLED; in which the terminal developer, LNG importer and LNG buyers are different.

Import of LNG has been mandated by the GoP to the state-owned companies i.e. Pakistan State Oil (PSO) and Pakistan LNG Limited (PLL) on behalf of the Government of Pakistan. PSO has signed a Government-to-Government contract with Qatar Gas for a period of 15 years whereas PLL has a five (05) year medium-term contract with Gunvor and a fifteen (15) year long-term contract with ENI.

Over the past few years, the government has established the basic LNG infrastructure, which has helped in bridging the gas supply-demand shortfall, and lately there has been progress towards private sector participation in development of new privately-owned LNG Terminals. The addition of new LNG Regasification terminals and respective enhancement of pipeline capacities of Gas utility companies of the country shall open up new business avenues and help diversifying Pakistan's energy basket.

4.4.1 Role of OGRA in LNG Sector

In pursuance of LNG Policy, 2011 and OGRA Ordinance 2002, OGRA notified LNG Rules 2007 to bring the anticipated LNG activity under regulatory regime. LNG Policy encourages prospective project developers to enter into LNG market after fulfillment of requisite formalities as per LNG Rules.

The main functions of OGRA w.r.t LNG include processing of licences to LNG project developers or LNG Terminal Owner/ Operator (TO/O) to construct and operate LNG receiving terminals, processing of licences for transportation, filling, marketing or distribution of LNG as per the provision of OGRA (LNG) Rules, 2007. Further, modification, extension, revocation, renewal of the licences, inspections/ audit of LNG Terminals is also dealt under the said Rules.

The status of LNG Licenses so far issued by OGRA is as follows: –

S/N	Project Developer	Issuance Date	Type of Licence	Project Structure	Status of Licence
1	Engro Elengy Terminal Limited (EETL)	18-Mar-2016	Operation Licence	Un-Bundled	Operational since 29 March 2015.
2	PGP Consortium Limited (PGPCL)	3-Apr-2018	Operation Licence	Un-Bundled	Operational since 4 January 2018.
3	Energas Terminal (Pvt.) Limited (ETPL)	28-Apr-2021	Construction Licence	Integrated	Licence granted for two years to complete construction of LNG re-gasification Terminal.

Performance

4	Tabeer Energy (Private) Limited (TEPL)	28-Apr-2021	Construction Licence	Integrated	Licence granted for two years to complete construction of LNG re-gasification Terminal.
5	Daewoo Gas Private Limited (DGPL)	13-Jan-2021	Provisional Licence	Integrated (Virtual pipeline)	Licence granted for 12 months to complete requisite formalities.
6	LNG Easy Private Limited (LNGe)	08-Jan-2021	Provisional Licence	Integrated (Virtual pipeline)	Licence granted for 12 months to complete requisite formalities.
7	Pakistan GasPort Limited (PGPL)	25-Jun-2018	Provisional Licence	Integrated	Applied for Construction Licence. Formalities incomplete.
8	Global Energy Infrastructure Pakistan Limited & Global Energy Infrastructure Limited (GEIP/GEIL)	03-Oct-2011	Construction Licence (Extended)	Integrated	Financial Close was to be achieved by March 2020 as per latest extension granted by Authority which has not been achieved.

Engro Elengy Terminal Limited (EETL) established its LNG re-gasification terminal at Port Qasim Karachi. LNG is being imported by the GoP through Pakistan State Oil Company Limited and EETL is providing the re-gasification services at a tolling tariff. The Licence for Operation of LNG Terminal was granted on 18th March, 2016. SSGC has hired the re-gasification capacity of EETL LNG Terminal for which both parties have signed the LNG Services Agreement.



View of Engro Elengy Terminal at Port Qasim Karachi

PGP Consortium Limited (PGPCL) established Pakistan's second LNG re-gasification terminal at Port Qasim Karachi. LNG is being imported by the GoP through Pakistan LNG Limited (PLL) and PGPCL is providing the re-gasification services at a tolling tariff. The Licence for Operation of LNG Terminal was granted on 03rd April, 2018. PLL has hired the capacity of PGPCL LNG terminal and both parties have signed the Operations and Services Agreement.



View of PGP Consortium LNG Terminal at Port Qasim Karachi

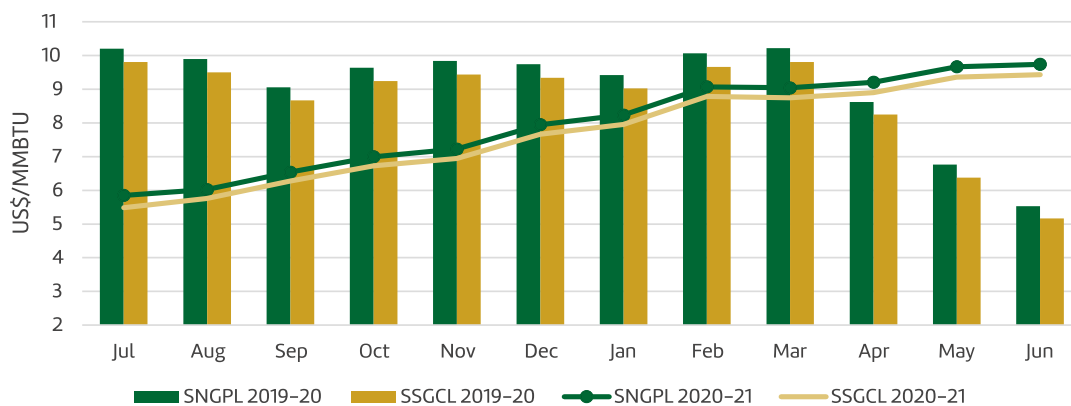
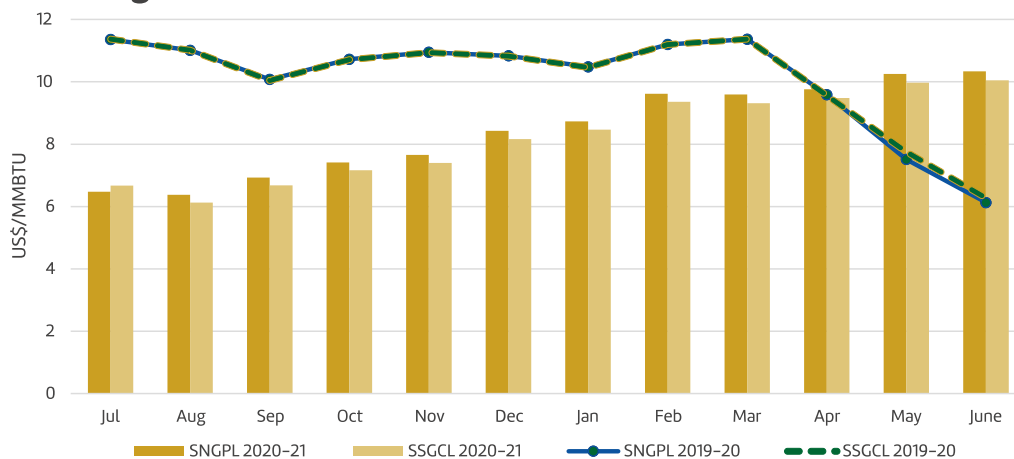
4.4.2 Re-gasified Liquid Natural Gas (RLNG) Pricing

Federal Government decided to carry out the RLNG pricing under Petroleum Product (Petroleum Levy) Ordinance, 1961 and Petroleum Products (Petroleum Levy) Rules, 1967. OGRA has been delegated the powers to determine RLNG price on monthly basis in line with other petroleum products and the same are notified by PSO. PSO and PLL are designated as LNG buyers by the Federal Government. OGRA computes the RLNG prices in accordance with parameters provided by Federal Government. The Summary of RLNG prices for the Financial Year 2020–21 are given below: –

**(Weighted Average RLNG price for SSGC & SNGPL) without GST
for the Period July 2020 to June 2021**

(US\$/MMBTU)

Months	SNGPL		SSGCL	
	Transmission	Distribution	Transmission	Distribution
July-20	5.8508	6.4750	5.4880	6.670
August-20	6.0244	6.3794	5.7574	6.1291
September-20	6.5406	6.9301	6.2723	6.6780
October-20	6.9957	7.4140	6.7254	7.1608
November-20	7.2263	7.6584	6.9468	7.3966
December-20	7.9490	8.4266	7.6661	8.1633
January-21	8.2358	8.7316	7.9525	8.4687
February-21	9.0706	9.6191	8.7859	9.3570
March-21	9.0446	9.5905	8.7462	9.3145
April-21	9.2084	9.7638	8.8997	9.4779
May-21	9.6682	10.2528	9.3605	9.9692
June-21	9.7433	10.3326	9.4361	10.0497

Fig 4.11: RLNG Price of SNGPL & SSGCL for Transmission**Fig 4.12: RLNG Price for SNGPL & SSGCL Distribution**

4.5 Liquefied Petroleum Gas (LPG)

4.5.1 Regulation

OGRA is empowered to regulate the LPG Sector under OGRA Ordinance 2002 and LPG (Production & Distribution) Rules, 2001 with effect from 15th March, 2003. Since then, OGRA has been regulating the sector in accordance with said Rules and the policies of the Federal Government.



LPG Plant –Perfect Gas – Okara

The salient regulatory functions of OGRA related to LPG sector are hereunder: –

- Grant of licences for construction and operation of LPG Storage and Filling Plants, LPG Air Mix Plants, LPG Auto Refueling Stations and Transportation of LPG through Road Browsers.
- Grant of licences for Production/Extraction of LPG from Oil/Gas fields and Refineries.
- Grant of registration to LPG Equipment Manufacturing Companies as OGRA's authorized manufacturers of LPG equipment.
- Periodic Inspection of LPG Works and Facilities to ensure their conformity with the laid down standards.
- Redressal of consumer complaints.

4.5.2 LPG Licences

The Authority is empowered for issuing licences for construction and operation of LPG Production / Extraction Plants, LPG Storage and Filling facilities, LPG Air Mix Plants and LPG Auto Refueling Stations under the LPG (Production and Distribution) Rules, 2001. The licence is granted in two stages. Initially, a licence is granted for a period of two years for the construction of LPG facilities followed by the operational licence for 15 years after completion of Works to the satisfaction of the Authority under the LPG Rules, 2001.

The list of LPG Producers, LPG marketing companies, LPG Auto–Refueling Stations, LPG Air–Mix Plants, LPG Browsers and LPG Equipment Manufacturer is placed at **Appendix–VI**.

4.5.3 Licensing Procedure

Any Company as defined in LPG (Production and Distribution) Rules, 2001 can apply for grant of a licence to the Authority entitled by its memorandum of association to engage in the Production, Storage, Filling, Marketing or Distribution of LPG, LPG Auto Refueling or LPG Air Mix Systems and Transportation of LPG through Road Browsers on the prescribed Form / Proforma available free of cost from OGRA's office as well as on its website (www.ogra.org.pk) alongwith other related documents, as required under the Rules.



LPG Storage– Perfect Gas – Okara

OGR has simplified the procedure for grant of LPG licence. The Licence is granted on completion of the requisite formalities completed by the applicants under the LPG Rules, 2001. During FY 2020-21, OGR has granted the following licences: –

(i)	Licences for construction of LPG Storage and Filling plants	(30 Nos.)
(ii)	Licences for operation of LPG Storage and Filling plants	(11 Nos.)
(iii)	Licences for construction of LPG Auto Refueling Stations	(05 Nos.)
(iv)	Licence for operation of LPG Auto Refueling Station	(01 No.)
(v)	Licence for construction of LPG Production & Storage facility	(01 No.)
(vi)	Licences for Transportation of LPG through Road Browsers	(39 Nos.)

4.5.4 Regulatory Enforcement in LPG Sector

OGR has taken the following steps in pursuance of the LPG Rules, 2001, and the policies of the Federal Government to ensure safe and reliable supplies of LPG to the Consumers: –

- (i) OGR conducts Periodic Inspections of the Storage and Filling Plants of LPG Marketing Companies, LPG Auto Refueling Stations, LPG Production and Extraction Facilities to verify that the Works of the licensees conform to the LPG Standards as laid down in the Rules to ensure safety.
- (ii) OGR pre-qualifies the authorized manufacturers of LPG Equipment from time to time. The facilities of the authorized LPG Equipment Manufacturers are inspected by OGR once a year through OGR's designated Third Party Inspectors (TPIs) to confirm that they have the requisite capability of manufacturing the LPG Equipment in accordance with the standards as laid down in the Rules. Details of these authorized LPG Equipment Manufacturers are available at OGR's website. All the LPG Licensees have also been advised to get their LPG Equipment manufactured only from OGR's authorized Manufacturers to ensure that its manufacturing is in accordance with the laid down standards as prescribed in the LPG Rules, 2001.
- (iii) All the LPG Marketing Companies have been advised to get their LPG Equipment/ Cylinders manufactured only from OGR's authorized Manufacturers.
- (iv) Penalties have also been imposed on the defaulting LPG Companies on account of violation(s) of the LPG Rules, 2001. Moreover, the licences of different LPG Companies were also suspended due to non-compliance of the said Rules. The licences are restored on completion of the requisite formalities and verification to the effect by OGR's Third party Inspectors (TPIs) that the Works complies with the standards/ codes as laid down in the LPG Rules, 2001.
- (v) OGR is getting compliance from the LPG Companies relating to the LPG cylinder inventories. As a result, more than "One hundred thousand Brand New Standardized Portable Cylinders" have been added in the Country's LPG Distribution Network within a short span of one year thereby ensuring public safety.
- (vi) OGR has recently initiated the licensing of transportation of LPG through Road Browsers to ensure that only the compliant browsers are engaged in road transportation of LPG. A list of OGR's licenced browsers is also placed at OGR's website.
- (vii) OGR, under the provision of Section-29 of OGR Ordinance 2002, has also authorized the Deputy Commissioners and the Assistant Commissioners of all the Provincial Governments to take stern action against price overcharging, illegal LPG decanting shops, filling of LPG in PSVs and illegal/ unregistered Equipment Manufacturers to ensure public safety.
- (viii) OGR is regularly publishing Public Notices and Press Releases in the leading daily newspapers of the country for the awareness of the General Public and also containing directions for the licensees regarding safe use of LPG.



LPG Dispensers for Filling of Cylinders

4.5.5 Investment in the LPG Sector

OGRA is playing its vital regulatory role to increase private investment in mid-stream and downstream petroleum industry. Due to increased development and expected expansion of LPG projects within the country, significant investments in LPG supply and distribution infrastructure have been witnessed. OGRA has made noteworthy contribution in national economic progress and created an environment for additional investment especially in LPG storage / filling plants and auto sector which will not only result in creation of infrastructure in LPG sector all over the country but will also provide jobs to hundreds of unemployed people. During the fiscal year 2020-21, an estimated investment of Rs. 18.40 billion has been made in the LPG supply infrastructure whereas total investment in the sector till date, is estimated at about Rs. 59.38 billion.

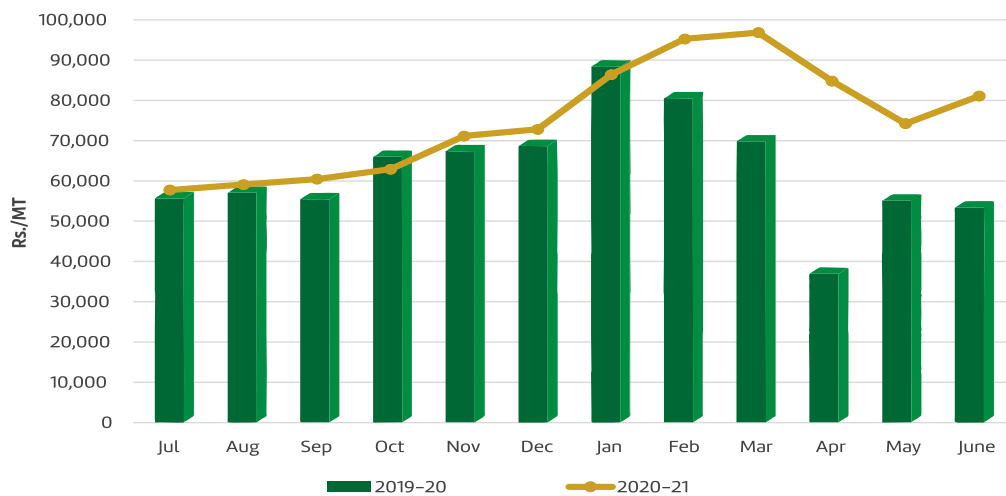
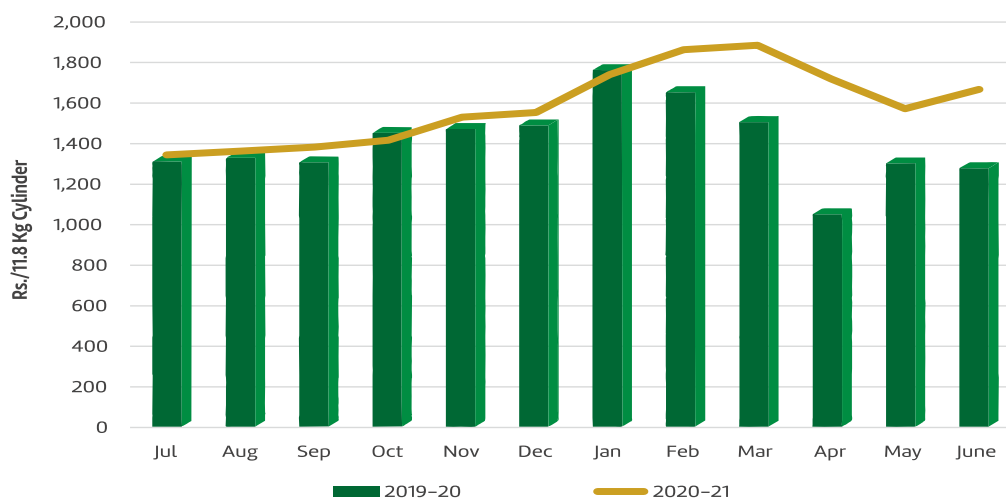
4.5.6 LPG Pricing

Ministry of Petroleum and Natural Resources (now Ministry of Energy, Petroleum Division) vide letter dated March 24, 2016 forwarded LPG Policy 2016, approved by the CCI, to OGRA for implementation.

2. In LPG policy 2016, it has been decided to regulate LPG prices. This is a major shift from deregulation to regulation. Prior to Promulgation of LPG Policy 2016, LPG producer and consumer prices were deregulated. In pursuance of LPG Policy 2016, LPG price determination is a mandate of Ministry of Energy; OGRA's domain is limited to notification and regulation of the determined price.

3. In exercise of the powers conferred by Section 6(2) (r) of Oil and Gas Regulatory Authority Ordinance, 2002 (XVII of 2002) read with Rule 18(1) of LPG (Production & Distribution) Rules, 2001, the Oil & Gas Regulatory Authority has notified LPG prices twelve times during FY 2020-21 in respect of indigenous LPG, maximum producer price, margins of marketing and distribution companies and consumer price.

The graphical presentation of producer and consumer prices is shown in **Fig 4.13** and **4.14** respectively.

Fig 4.13: LPG Notified Producer Price**Fig 4.14: LPG Notified Consumer Price**

4.6 Compressed Natural Gas (CNG)

4.6.1 Regulation

Government of Pakistan introduced Compressed Natural Gas (CNG) as alternative fuel for automobiles in 1992 to reduce environmental degradation and save foreign exchange. The CNG (Production & Marketing) Rules, 1992 along with Standard Code of Practice were framed to regulate construction as well as operational phases of CNG refueling stations. Oil & Gas Regulatory Authority is empowered to regulate the CNG Sector under OGRA Ordinance 2002 and CNG (Production & Marketing) Rules, 1992.

4.6.2 Present Licensing Policy

The Federal Government imposed a ban on issuance of new provisional licences for establishment of CNG Stations in February 2008. In recent past, the Government vide ECC decision dated October 23, 2020 allowed grant of new CNG Licence on RLNG basis and Authority is processing the application(s) for the same in light of the applicable provision(s) of Rule(s)/ Law(s).

The list of operational CNG Stations, approved CNG cylinders and Kits is placed at **Appendix-VII**.

4.6.3 Regulatory Enforcement

In order to ensure compliance to the Standard Code of Practice & other applicable technical standards and safe operation of CNG Stations across the Country, annual safety inspection of operational CNG Stations as per Rule-10 of CNG Rules is conducted through OGRA's designated Third Party Inspectors. Licensees involved in repeated violations are penalized in accordance with provision of CNG Rules, 1992. The details are as under: –

Number of Annual Inspections carried out	3,461
Show Cause Notices Issued	134
Amount of Penalty Imposed	Rs. 19.65 Million

4.6.4 CNG Consumer Sale Price

CNG consumer price has been deregulated by the Federal Government since December 13, 2016 and accordingly CNG Stations are now charging price in line with market forces as per the above Federal Government decision.

4.7 Complaints Redressal

OGRA has a well-established Complaints Department to handle, process and decide the complaints in accordance with the Complaint Resolution Procedure Regulations (CRPR), 2003 and redress the grievances of the aggrieved consumers after providing due opportunity of hearing. The consumers can file the complaints through e-mail, fax, normal post and online.

The Authority has Designated Officers (DOs) for handling complaints with specific jurisdiction who issue their decision / judgments in writing. The complaints are decided by the DOs within 90 days or earlier as per applicable regulations. At the moment the DOs are also posted in OGRA's provincial offices located at Karachi, Lahore, Quetta, and Peshawar in addition to Islamabad Head Office, so as to ensure speedy resolutions/decisions on complaints. Any party (the Complainant or Licensee) if aggrieved by the decision of the Designated Officer, may file an appeal before the Authority under Section 12 of the OGRA Ordinance, 2002 and the Authority decides the appeal after providing an opportunity of hearing to the parties as per regulatory framework.

Data of complaints received and decided during financial year 2020-21 is as under: –

Complaints Received	Complaints Decided	Gas Connections Provided	Relief Granted (Rs)
8,361	8,272	1,341	118,312,204

4.7.1 Appeals

Appeals Department receives appeals and reviews as per Section 12 (1) and Section 13 of OGRA Ordinance 2002, which are filed by the consumers and licensees against the decisions of the Designated Officers and Authority, passed in cases of billing, gas pilferage, provision of gas and other miscellaneous matters. Appeals Department also receives appeals/reviews of LPG, CNG, Oil Enforcement cases etc. pertaining to imposition of fines and penalties. The cases are accordingly processed and placed before the Authority for hearing. Appeals Department records the hearing proceedings and decisions are prepared as per the direction of the Authority. After the approval of the Authority, the decisions are issued to the concerned parties. The number of appeals/reviews heard and decided by the Authority during FY 2020-21 is as under:

Natural Gas Appeal/Review Cases heard/decided (Number of cases)	65
CNG/LPG/Oil/Enforcement Cases heard/decided (Number of cases)	47

4.8 Enforcement

The Mission Statement of OGRA is "To Safeguard Public Interest through efficient and effective regulation in the midstream and downstream Petroleum Sector" Since the promulgation of the OGRA Ordinance 2002, the Authority aims to protect and safeguard the interests of all stakeholders. OGRA is entrusted with the regulation of Oil, Natural Gas, LPG, CNG and LNG sectors, which are directly related to public interest. However, with expansion and penetration of oil and gas sectors in the market, a need was felt to enforce provisions of the OGRA Ordinance, Rules, Regulations, Standards, Terms and Conditions of licences and directions / decisions of the Authority, upon licensee,

as without enforcement mechanism number of complaints were reported through media and from consumers directly with respect to delivery of quality products measuring exact quantity at notified prices round the clock to the general public. Major enforcement activities are as follows:

- Conduct surprise inspections of licenced premises on regular basis;
- Ensure supply of regulated commodities at notified prices utilizing multiple mechanisms such as through District Administrations, Oil Marketing Companies and to conduct surprise inspections of randomly selected outlets by OGRA or through Third Party Inspectors.
- Constitute the inspection teams in collaboration with 3rd Party Inspectors as well as Licensees to conduct the inspections/monitoring;
- Take necessary action against all violators as per applicable laws that may lead to imposition of fine/penalty or suspension of supplies/ licences in extreme cases.

4.8.1 Enforcement Functions

OGRA over the times has expanded its enforcement functions to create more vigorous interface between Licensees, Consumers and the Authority. Collect information based on ground realities pertaining to problems faced by Consumers and Licensees. Assist the Authority to formulate effective policy for regulating the oil and gas sector, keeping in view the problems of the industry. To protect the rights of consumers while maintaining check and balance / deterrence on Licensees. OGRA conducts surprise / planned inspections at CNG stations, LPG bottling plants, LPG authorized distributors, registered LPG equipment manufacturers, petrol pumps or any other Licenced Facility on the directions/complaints received by the Authority. These inspections are generally conducted for controlling overcharging and compliance of safety standards during operational regular activities. Enforcement activities of OGRA in respect of various sectors are as under:

OIL

Surprise inspections of randomly selected petrol pumps with respect to:

- i) Overcharging
- ii) Stock deficiency / stock withholding
- iii) Quality and less filling etc.

LPG

Surprise inspections of LPG Storage and Filling Plants with respect to:

- i) Cross filling
- ii) Overcharging
- iii) Safety etc.

CNG

Third Party Inspections are conducted annually which inter alia includes following:

- i) Filling of unapproved cylinders
- ii) Excess pressure
- iii) Overcharging etc.

Other Functions:

- Communication with provincial authorities / district administrations, licensees and associations on regular basis with respect to enforcement activities.
- Handling court cases and National Assembly/Senate/Provincial Assembly questions.
- Policy issues
- Internal correspondence
- Review and comments on various documents / issues

4.8.2 Enforcement of Regulated Activities

In order to provide safe, reliable and efficient services to the Consumers by the Licensees, OGRA has expanded the effective monitoring and enforcement. Random inspections by OGRA officers are helpful in getting firsthand information, enabling to perform its obligations in a more practical way and better enforcement of rules, regulations and standards. OGRA's initiative has proved to be a deterrent for others and an indication that rules and regulations are to be fully adhered, thus benefiting the consumers in general. Presence of a strong regulator in the field has sent a powerful message. From big units like Oil Marketing Companies to small entities like LPG Distributors are being brought in the competitive regulatory environment. The various enforcement activities performed are summarized hereunder.

4.8.2.1 Oil Sector

OGRA has endeavored to develop an efficient & effective mechanism to check and control the malpractices in Oil Sector. In accordance with the GoP's Policy for pricing of petroleum products, the product prices at retail outlets (as informed by the OMCs to OGRA for their respective Outlets) are revised / updated on OGRA's Website on monthly / fortnightly basis. It is observed that the Retailers of different OMCs tend to charge prices of petroleum products higher than the officially notified prices from the consumers. This happens due to lack of monitoring / vigilance of the OMCs on their Retailers. In order to curb the menace of profiteering / overcharging by the Retailers, OGRA, through its effective enforcement and monitoring has started conducting surprise inspections at OMCs Retail Outlets.

It has been observed that whenever there is a speculation of price change of petroleum products, the OMCs / Retailers tend to hoard / withhold the POL stock, for inventory gain. OGRA has taken cognizance of this issue and has started to depute its teams for inspections ahead of the notification of POL prices. Such inspections have been conducted at the Outlets, located in remote / rural areas as well as big metropolitans in all the Provinces. Considering the position that there are around 9,978 OMCs Retail Outlets operating in the Country, OGRA has been constantly requesting Provincial Authorities to monitor pricing at Petrol Pumps under Price Control & Prevention of Profiteering and Withholding Act, 1977 and shall be dealt strictly in accordance with the applicable laws, in the larger interests of general public.

During FY 2020–21, 474 quality checks were made at retail outlets to ensure that the quality being dispensed to the consumers. Quality checks at imports level were also carried out to ensure its protocols. A number of petrol pumps have been inspected and show cause notices were served to respective OMCs on account of overcharging, quantity measurement (less filling) and quality failure at their outlets and on the basis of submissions of OMCs, further necessary action were taken in accordance with the provisions of the OGRA Ordinance, 2002 and applicable rules / regulations.

4.8.2.2 LPG Sector

Allocation of LPG from LPG producers to LPG marketing companies is de-regulated whereby LPG producers themselves dispose of their LPG keeping in view their commercial interest and broad policy outlines. As per LPG Policy 2016, LPG price determination is a mandate of Ministry of Energy; OGRA's domain is limited to notification and regulation of the determined price. Accordingly, OGRA notified LPG prices in respect of indigenous LPG, maximum producer price, margins of marketing and distribution companies and consumer price. OGRA regularly monitors LPG prices and takes stern actions against those selling LPG above the notified prices as per the relevant rules and regulations.

In order to protect consumers from exploitation of LPG marketing companies and black marketing by their distributors, the Authority enforces certain minimum parameters pertaining to retail consumer price, safety and operational guidelines at distributors premises as well as storage & filling plants.

In this regard, following enforcement activities were conducted in the LPG sector:

- i. Surprise inspection of LPG storage and filling plants to ensure compliance with applicable safety standards, check and eradicate illegal cross filling, inter-company un-authorized bulk trade of LPG and correct measurement of LPG in cylinders.
- ii. Surprise inspection of the premises/sale points of authorized distributors of LPG marketing companies; in order to:-

- a. Ensure compliance with minimum safety and operational requirements
- b. Check and eradicate decanting of LPG from cylinder to cylinder, cross filling, hoarding and black marketing
- c. Ensure sale of LPG at company's announced and notified consumer price
- d. Ensure correct measurement of LPG
- e. Ensure availability and supply of LPG to far flung LPG starved hilly areas as per policy provisions

A large number of LPG facilities have been inspected in order to check compliance of the standards /rules and Authority's directions. Action have been initiated against the companies who were found in violation of rules /directives.

4.8.2.3 CNG Sector

CNG is one of the important automotive fuels in Pakistan and its share is almost 4% of the total gas consumption in the country. There are nearly 2,877 operational CNG stations, spread all over the country. At present Pakistan tops the list among CNG user countries. The important issue related with CNG is compliance of its safety standards. In order to have strict check, surprise inspections of CNG stations are now being conducted by OGRA to primarily check the following:

- i. Dispensing pressure
- ii. Refueling procedure as per CNG Rules, 1992 including checking of the vehicle cylinder
- iii. Measurement accuracy
- iv. Price charged from consumers
- v. Safety Orientation

OGRA is actively conducting above mentioned inspections. This has forced CNG Stations to observe Rules, Regulations, Directions of the Authority and Standard Code of Practice.

During the current fiscal year a number of CNG Stations have been inspected and violating Stations have been served Show Cause Notices and on the basis of Licensees replies re-inspections are conducted/ fine imposed or served warnings on case to case basis.

4.8.2.4 Complaints

Consumer complaints play a very important role in the enforcement of rules/regulations/standards and they minutely analyzed and proper course of action is followed as per law against the violators. Illegal activities like decanting, operation of dabba stations etc. are referred to the District Authorities and Chief Inspector of Explosives. Whereas the complaints relating to the various violations like cross filling, overcharging, less filling, shortage of stocks etc. by the Licensees / Authorized Dealers are added in the complaints database and physical verification is done when the inspection are carried out in the said areas. In case of complaint with proof, the same is undertaken with Licensee without carrying further inspection as per applicable laws. In case of an urgent requirement, immediate inspection by OGRA team or Third Party Inspectors is done.

4.9 Corporate & Media Affairs

C&MA in the year under review created positive image of the organization by stalling negative perceptions against the organization. Kept close liaison with the print and electronic media to disseminate the actions/decisions of OGRA for the awareness of its stakeholders primarily as well as public. Arranged press conferences, press briefings and issued press releases as and when required. Coordinated & arranged timely publications of gazette notifications, publication of advertisements / notices in the print media and settled accounts thereof. Dealt with the matters pertaining to the advertising agencies / firms, made administrative arrangements of meetings / public hearings and preparation of design of annual reports. Made arrangements to conduct of press conferences, formal and informal meetings with the journalists. Issuance of press releases, assisted Spokesperson in responding to media on their queries. Handled correspondence with the Cabinet Division. Dealt with protocol matters including traveling /boarding / lodging arrangements with respect to domestic / foreign visits of the Authority, obtaining Note Verbale from Ministry of Foreign Affairs, liaison with the Embassies for endorsement of visas and settling accounts thereof, kept liaison with the Embassies/ Pakistan Missions abroad during visit of the Authority. Kept coordination with the

National Assembly, Senate, Cabinet Division, MOE and PM Office for making protocol arrangements for the Authority Members and the Executives for briefings by OGRA to the PM office, NA / Senate Standing Committees, ECC, Public Accounts Committee and other sub committees. Handled miscellaneous and special tasks as assigned from time to time.

CMA has also initiated the establishment of linkages with academia, youth, entrepreneurs, civil society, media and other public-sector organizations for building better understanding of the role and functions of OGRA. In this regard, series of lectures has been planned across the country.

4.10 Planning & Coordination

Planning and Coordination Department undertakes two types of coordination i.e. internal and external coordination. Internal coordination relates to contact with various Departments of OGRA for acquiring information on the regulatory affairs in the midstream and downstream petroleum sector to prepare various briefs/documents/reports. External coordination pertains to disseminate such information on all the regulated activities of the Authority to various Ministries and other Government Organizations. During the period under review, P&C Department in combination of internal and external coordination has provided the requisite information on OGRA Affairs to Ministry of Planning & Development, Cabinet Division, Ministry of Energy, Finance Division, Ministry of Commerce, Senate and National Assembly of Pakistan and other Stakeholders etc. The Department provided relevant contents / input / performance for various publications such as Pakistan Economic Survey, Finance Minister's Budget Speech and Cabinet Year Book etc. P&C also acted as a Focal Department for coordination with various government organizations and represented OGRA at various national and regional forums. The Department also coordinated all activities of OGRA to produce Periodical / Annual reports on the 'Conduct of OGRA Affairs' and 'State of the Regulated Petroleum Industry' through internal coordination under OGRA Ordinance 20 (1) (a) (b).

4.11 Information Technology (IT)

OGRA has developed File Tracking System to facilitate organization internally as well as external stakeholders to check the online status of their applications, which have been submitted to OGRA for obtaining license. It will improve the transparency and efficiency of the organization. OGRA has also developed Really Simple Syndication (RSS) application on its website. It is very easy way for anyone to get a list of headlines alerts and update notices to get the contents, which have been updated on the website. Implementation of E-office will provide its users with a user-friendly interface to work with and enable them to efficiently dispose of official business. E-Office will not only bring efficiency, effectiveness and transparency within the processes of the organization but it will also reduce the cost of doing business.

4.12 Ease of Doing Business

All Documents Related to 'Ease of Doing Business' have been uploaded on OGRA's website, the link for which has been provided on home page of the website. (<https://ogra.org.pk/ease-ofdoing-business-3>)

'Ease of Doing Business' in the regulated activities of Petroleum Sector:

- a. OGRA has developed a section on its website (www.ogra.org.pk) pertaining to "Ease of Doing Business", wherein guidance has been provided to national/international investors on the procedure/processes for acquiring a license for the regulated activity of Natural Gas, Oil, CNG, LPG, LNG Sectors.
- b. A check list and FAQ's have also been uploaded on OGRA's website which provides the information to investors regarding the types of documents required along with forms for the applications of all type of licenses.

File Tracking System has been developed to facilitate external stakeholders.

- a. File Tacking System' has been developed and is operational. This application/software is designed to facilitate CNG, Oil, Gas, LPG and LPG applicants to check the online status of their applications, which have been submitted to OGRA for obtaining license. It will improve the transparency and efficiency of the OGRA.

The role of information technology in organizational development has become centerpiece in obtaining

organizational efficiency. In order to keep pace with technological developments and new norms of the business processes, the Authority has decided to introduce E-Office /Docketing and Information Repository system (DIRS) for digitalization of records/system and procedures to ensure efficiency accuracy, effectiveness, transparency, good governance and effective public service. Implementation of E-office will provide its users with a user-friendly interface to work with and enable them to efficiently dispose-off official business. E-Office will not only bring efficiency, effectiveness and transparency within the processes of the organization but will also reduce the cost of doing business. This system will manage and administer the documents filed by licensees and stakeholders. Digitization will provide security of the documents in all forms and shapes.

4.13 OGRA's Initiatives on Clean and Green Pakistan

- a. With respect to Prime Minister's initiative of "Clean & Green Pakistan", OGRA has directed all OMCs/ Petrol Pumps as well as CNG stations across the country to ensure neat/ clean facilities with all basic necessities in the washrooms/ bathrooms/ toilets at their retail outlets, which are operated by company itself or through their dealers/ franchisees.
- b. Advertisements in national and local newspapers have been published by OGRA for the awareness of general public. Moreover, OMCs/OCAC also initiated awareness campaign in print and electronic media on the "Clean and Green initiative of the Prime Minister".
- c. OCAC/all OMCs/CNG Stations have been directed to ensure that the posters and banners be displayed at prominent places having mentioned UAN WhatsApp number on all forth courts/petrol pumps/ CNG Stations. OCAC has been directed to start media campaign/awareness campaign in this regard mentioning that complaints may be logged at the mentioned UAN number, related to washrooms/ bathrooms/toilets and cleanliness by the customer at the outlets, etc. of petrol pumps/CNG Stations.
- d. OGRA has established a Complaint Cell to resolve public complaints regarding "Clean and Green initiative of the Prime Minister which include the setting up of a dedicated UAN number, WhatsApp for the general public, to file their complaints.
- e. Officers/staff has been deputed at OGRA's provincial/regional offices to inspect hygienic condition of washrooms/bathrooms/toilets, etc. and take action accordingly. Third party inspectors have also been directed to conduct inspections as well as submit reports to OGRA for necessary action.
- f. Non-compliant petrol pumps/CNG Stations have been fined as per OGRA's Rules & Regulations.

4.14 Complaints Resolution through Pakistan Citizen Portal (PMDU)

The Prime Minister of Pakistan has directed all the Government Ministries / Divisions and Departments to improve public service delivery and ensure their redressal effectively through Pakistan Citizen Portal (PCP) under Prime Minister Delivery Unit (PMDU). In compliance to the directions of the Prime Minister of Pakistan, Oil and Gas Regulatory Authority has established a dedicated Cell to address the complaints received through PCP in September 2018.

The Authority nominated Senior Executive Director (C&MA) as a Focal Person to lead the Cell in order to dispose of the complaints received from the various departments within given SOP and provide the feedback to the citizens accordingly. The other responsibility of the Cell is to liaison with Prime Minister Delivery Unit and Cabinet Division to convey, disseminate information on public complaints on behalf of Authority.

To resolve the complaints well in time, received through Pakistan Citizen Portal, Competent Authority has put in place Standard Operating Procedure (SOP), on the recommendations of SED (C&MA). As per SOP the Cell forwarded all complaints / queries to relevant departments of OGRA within two days after receiving on Pakistan Citizen Portal. Head of Departments / Sections In charge after resolving the complaints send final reply within three days. A complete record of all received complaints and their reply have been maintained by the Cell. To update the Authority on status of the complaints, the (Technical) person prepares the daily report and submit to focal person for information.

Since establishment of Prime Minister Delivery Unit, OGRA during 27th September 2018 to 30th June 2021 has processed 1319 complaints have been received and resolved.

4.15 E-Office Project Implementation

Brief Background of E-Office Project

Initially, it was decided that all funding for Docketing and Information Repository System (DIRS) project will be funded by US Agency for International Development (USAID), Pakistan in collaboration with National Association of Regulatory Utility Commissioners (NARUC) but on April 10, 2019, the USAID Pakistan has terminated the agreement, hence there was no funding was available for DIRS software development then OGRA made the decision to execute e-Office project in collaboration with National Information Technology Board (NITB), which is offering developed software without charging any cost to the government organizations. However, OGRA decided to build-up its IT Infrastructure through its own funding. The equipment, which includes computers and scanners has already been procured through open tendering process. It was also decided that Server Room & IT Section would be shifted from basement to 3rd floor of the building; whereas R&I section will be established to new location at the basement and it will be equipped with scanners and computers to become the part of e-Office.

A detailed specifications and layout design of Infrastructure up-gradation has been made by IT Section, which was duly approved by the Authority. Afterwards, OGRA tender was floated in print media and OGRA/PPRA websites, the bids were received and evaluated through transparent process. The work on E-Office has already been started and training on use of E-Office module has been imparted to the Authority members, executives and all concerned staff for efficient use of resources.

Testing, NITB Team Deployment & Re-Training

On completion of e-Office project there will be approximately two weeks time for testing the e-Office / networking and National Information Technology Board (NITB) Team will be deputed in OGRA to facilitate departments in using the e-Office module. Accordingly, retraining of OGRA's staff is also planned after the implementation of e-Office. All officers/ officials have already been given training at the premises of NITB, Islamabad.

Development of Application for Clean & Green Pakistan “Cleanliness of Public Facilities at Petrol Pumps and CNG Stations”

A meeting was held in between Senior Executive Director (Corporate & Media Affairs), Senior Executive Director (CNG) & Senior Executive Director (LPG) and Additional Secretary (Regulatory Affairs), Cabinet Division, Islamabad on 07.11.2019 and it was decided that National Information Technology Board (NITB) will develop a digital platform for the monitoring of the Petrol forecourts/ stations and CNG stations with regard to cleanliness in general and especially washrooms. It was also agreed that OGRA will provide technical information to NITB so that NITB may develop the required digital platform. In this connection, several internal and external meetings were held for the development of application. The application will be mobile based application and it is in its final stage of development.

Enhanced Security Solution for Webhosting

The award of website repair & maintenance work and dedicated Virtual Private Server (VPS) is under process after approval of the Authority to make OGRA website more secure and up-to-date. OGRA's website currently hosted on shared hosting server due to which are unable to get maximum firewall and securities on the shared server. It is therefore, on the recommendation of IT Section, the Authority approved to shift website hosting from shared to dedicated VPS hosting server for improved firewall and better security.

4.16 Litigation

During FY 2020-21, Litigation department pursued cases in different courts, the detail of which is given as under:

Detail of Court Cases during FY 2020-21

Court Name	Total Number of Cases Received (c+d+e)	Council Engaged (a)	Pursued by In-House Lawyer (b)	Disposed Of (c)	Not to Be Pursued (d)	Pending (e)
Supreme Court of Pakistan	13	5	-	4	-	9
Islamabad High Court	37	26	2	11	2	24
Lahore High Court	286	94	1	150	41	95
Peshawar High Court	58	20	-	12	22	24
Sindh High Court	301	261	-	3	21	277
Baluchistan High Court	4	-	-	1	2	1
Civil Courts	121	29	-	11	51	59
Others (WM, Accountability court etc)	2	-	1	1	-	1
Total	822	435	4	193	* 139	490

Note: * The court cases wherein OGRA has no direct role or no specific direction / order is passed by the concerned court for representation of OGRA or it is impleaded as a proforma party/respondent, hence, such cases are not to be pursued.





FUTURE OUTLOOK

(Anticipated Developments for the Next Year)





5. Future Outlook – Anticipated Developments for the Next Year

5.1 Mid and Downstream Oil Sector

- A number of Oil Storages are expected to be completed at various locations.
- O1 Oil Refinery is expected to announce commencement of its construction work.
- An Oil Pipeline & associated infrastructure is anticipated to initiate construction by Frontier Oil Company 1 (FOC1).
- Dualization of White Oil Pipeline.
- Improvement in White Oil infrastructure at Port Qasim.
- Link line between Keamari & Port Qasim.

5.2 Natural Gas Sector

- The Authority shall make the following determinations during the next financial year.
- SNGPL's motion for review against Final Revenue Requirement for FY 2019–20.
- SNGPL FRR–FY 2020–21
- Estimated Revenue Requirement for FY 2021–22 SSGCL & SNGPL.
- Motion for review / Review on Estimated Revenue Requirement for FY 2021–22 SSGCL & SNGPL.
- SSGCL FRR–FY 2019–20
- SSGCL Motion for review on FRR FY 2018–19
- The process of determination and notification of prescribed prices of gas companies, consumer prices under Section 8 of OGRA Ordinance, 2002 will continue.
- The process of determination and notification of well-head prices of natural gas under Section 6 (2) (w) and prescribed prices of gas companies, consumer prices under Section (8) of OGRA Ordinance will continue.
- Determination of RLNG price under Petroleum Product (Petroleum Levy) Ordinance, 1961 and Petroleum Products (Petroleum Levy) Rules, 1967 in accordance with the FG's approved formula.
- Notification of monthly LPG prices.

5.3 LNG Sector

Development of LNG Terminals by the Private Sector

OGRA has granted construction licences in April 2021 to two (02) private sector companies i.e. Energas Terminal Private Limited (ETPL) and Taber Energy Private Limited (TEPL) for development of LNG import and re-gasification Terminals including all allied facilities at Port Qasim, Karachi as an integrated project under Clause 2 (a) of the LNG Policy, 2011. The project developers are yet to commence construction of the terminals and are working on completing all the requirements of LNG supply chain which includes pipeline capacity to be allocated by the Sui companies.

Grant of Licence to Project developers for LNG Virtual Pipeline Projects

LNG virtual pipelines are substitute for physical pipeline whereby gas that would typically be transported through a conventional gas pipeline is instead transported as LNG (Liquefied Natural Gas) to the point of use by sea, road, rail or via a combination of one or more of these transport modes.

OGRA has granted provisional licence to two companies i.e. Daewoo Gas Private Limited (DGPL) and LNG Easy Private Limited (LNGe) for a period of twelve (12) months to complete the requisite formalities under the prevalent rules to undertake the LNG regulated activities. Moreover, three (03) new applicants for the virtual pipeline projects have submitted applications to OGRA for the grant of provisional licence which are presently under evaluation.

LNG Terminal and Storage Access Rules & Code

OGRA has drafted LNG Terminal and Storage Access Rules and LNG Terminal and Storage Access Code which shall play a pivotal role in liberalization of LNG/ RLNG market of the country while ensuring safe and reliable supply of gas thus promoting country's economic growth. The said Rules are guiding principles whereas the Code provide standard terms and conditions that will govern the relationship of the parties to the access arrangement on LNG / RLNG regulated activities.

The said Rules and Code are presently at the stage of deliberation with the major stakeholders. Once this process is successfully completed and any further amendments in the Rules and Code are made, if required, the Rules and Code shall be sent to the Cabinet Division for notification as per procedure.

5.4 LPG Sector

A significant growth of LPG auto refueling stations is anticipated in near future. The LPG companies entitled by their memorandum and article of association are applying for a number of LPG storage / filling plants and LPG refueling stations in light of LPG Policy and regulatory framework.

5.5 Enforcement

With the increase in the number of licensees, the enforcement of technical and safety standards for the facilitation and protection of consumers and general public has become more important. OGRA will enhance and strengthen its monitoring role of the regulated activities to avoid any incident in transportation of oil and LPG and strictly monitor the manufacturing of standardized equipment.

5.6 Complaints

Redressal of complaints shall continue in accordance with OGRA's Complaint Resolution Procedure Regulations, 2003 in the same spirit as for current year. Complaints shall be decided well within the prescribed period of 90 days by Designated Officers strictly on merit.

5.7 Capacity Building

Development and training of human resource is an ongoing and crucial need every progressive organization to keep them abreast of new skills and technologies. All grades of personnel need continuous, rationalized and latest knowledge in their relevant fields on variety of technical and occupational issues. OGRA will continue to send its officers to the various training programs in addition to the opportunity of participation in various foreign trainings. Contracts for conducting institutional developments studies will also be awarded to the individual consultant / firms on need basis.

OGRA will conduct the trainings for the employees which includes management training program for senior management, middle management and newly inducted executives and crises communication management program for the senior management.

5.8 Corporate Affairs

OGRA will also conduct awareness sessions on “Role and Functions of OGRA” all over the country for developing linkages, better understanding and positive perception among the academia, business community, media and government functionaries along with other stakeholders. OGRA intends to conduct training workshops to keep abreast media fraternity regarding latest regulatory activities / affairs in oil and gas sector.

5.9 Establishment of New Regional Offices

The Oil and Gas Regulatory Authority plans to establish new regional offices at various location across Pakistan to facilitate general public in redressing their grievances in accordance with OGRA's Complaint Resolution Procedure Regulations, 2003 and to ensure enforcement of technical and safety standards for the facilitation and protection of consumers with a vision to strengthen its monitoring role of the regulated activities at gross root levels.



APPENDICES





Rules, Notified and Adopted

Sr. No.	Notification	Date of Issuance
1	Natural Gas (Licensing) Rules, 2002 ^o	February 26, 2002
2	Natural Gas (Tariff) Rules, 2002	November 23, 2002
3	Compressed Natural Gas (Production and Marketing) Rules, 1992*	March 15, 2003
4	Liquefied Petroleum Gas (Production and Distribution) Rules, 2001*	March 15, 2003
5	Budget Committee Rules, 2004	December 30, 2004
6	Liquefied Natural Gas (LNG) Rules, 2007	May 26, 2007
7	Pakistan (Refining, Blending, Transportation, Storage and Marketing) Rules, 2016 for substitution of Pakistan (Refining, Blending, Transportation, Storage and Marketing) Rules, 1971.	January 25, 2016
8	OGRA Natural Gas (Regulated Third Party Access) Rules, 2018	June 12, 2018

Note^o: Inherited from Natural Gas Regulatory Authority

Note*: Rules No. (3), (4) Notified by the Ministry of Petroleum and Natural Resources are adopted under Section 44(3) of the Ordinance.

Regulations/Technical Standards Notified

Sr. No.	Regulations	Date of Notification
1	Complaint Resolution Procedure (Natural Gas, CNG, LPG and oil refined products) Regulations (CRPR), 2003	September 3, 2003
2	Natural Gas Uniform Accounting Regulations, 2003	February 17, 2004
3	Natural Gas Transmission (Technical Standards) Regulations, 2004	August 5, 2004
4	Natural Gas Distribution (Technical Standards) Regulations, 2004	August 5, 2004
5	OGRA Financial Regulations, 2005	January 11, 2005
6	OGRA Service Regulations, 2005	January 31, 2005
7	Natural Gas (Well Head Price) Regulations, 2009	April 8, 2009
8	Oil Transportation (Pipeline) Technical Standards	July 2, 2009
9	Technical Standards for Petroleum Industry (Retail Outlet)	July 2, 2009
10	Technical Standards for Petroleum Industry (Depots for Storage of Petroleum Products).	July 2, 2009
11	Standard technical Specification for Equipment and Materials used in Natural Gas Transmission & Distribution Network, 20 09	July 29, 2009
12	Technical Standards for Oil Refineries	September 24, 2009
13	Technical Standards for Petroleum Industry (Road Transport Vehicles, Containers and Equipment Used for the Transportation of Petroleum Products)	October 9, 2009
14	OGRA Natural Gas Measurement (Technical Standards) Regulations, 2019	March 19, 2019
15	Performance and Service Standards	March 19, 2019

Sr. No.	Rules, Regulations & Standards	Date of Notification
1	Amendment in OGRA Ordinance, 2002 (Section 43 A)	November 11, 2002
2	Amendment in Complaint Resolution Procedure (NG, CNG, LPG and refined oil products) Regulations, 2003 (Regulation 2,3,4,8,10 & schedule)	May 12, 2005
3	Amendment in Natural Gas (Licensing) Rules, 2002	December 9, 2005
4	Amendment in OGRA Service Regulations, 2005 (Regulation 15, 18, 22, 34, 84, 85, 88, 92, 94 & 107)	December 22, 2005

5	Amendments in (Production & Distribution) LPG Rules, 2001 (Appendix V)	October 17, 2006
6	Amendment in Complaint Resolution Procedure (NG, CNG, LPG and refined oil products) Regulations, 2003 (Regulation 1,2,3,8 & schedule)	November 24, 2006
7	Amendment in LPG (Production & Distribution) Rules, 2001 (Rule 2,3,5,6,7,8, & 18)	March 17, 2007
8	Amendment in OGRA Ordinance, 2002 (Section 3)	February 2, 2008
9	Amendment in Natural Gas Transmission (Technical Standards), 2004 (Regulation 4.2)	February 6, 2008
10	Amendment in LPG (Production & Distribution) Rules, 2001 (Appendix V)	October 17, 2008
11	Amendment in CNG (Production & Marketing) Rules, 1992 (Rule 2)	October 21, 2008
12	Amendment in OGRA Ordinance, 2002 (Section 43 B)	February 17, 2009
13	Amendment in OGRA Service Regulations, 2005 (Regulation 14)	March 5, 2009
14	Amendment in CNG (Production & Marketing) Rules, 1992 (Rule 2 & 13)	April 4, 2009
15	Amendment in LPG (Production & Distribution) Rules, 2001 (Appendix II, III & V)	August 4, 2009
16	Amendment in LPG (Production & Distribution) Rules, 2001 (Rule 5)	September 15, 2009
17	Amendment in Natural Gas (Well Head Price) Regulations, 2009	October 26, 2009
18	Amendment in LPG (Production & Distribution) Rules, 2001 (Appendix V)	April 8, 2011
19	Amendment in OGRA Service Regulations, 2005	July 11, 2011
21	Amendment in OGRA Service Regulations, 2005 (Regulation 4,8,11,12,17,19,27,30,51,52,60,61,72 & 73)	August 26, 2011
21	Amendment to OGRA Service Regulation, 2005 (Regulation 85))	September 23, 2011
22	Amendment in OGRA Service Regulations, 2005 (Regulation 17)	May 11, 2012
23	Amendment in OGRA Ordinance, 2002 (Section 16)	June 27, 2012
24	Amendment to OGRA Service Regulation, 2005 (Regulation 17 & 18)	June 27, 2012
25	Amendment in OGRA Financial Regulations, 2005	September 13, 2012
26	Amendment in LPG (Production & Distribution) Rules, 2001 (Appendix V)	December 26, 2013
27	Amendment in LPG (Production & Distribution) Rules, 2001 (Rule 5,9 & Appendix II, III, V and VI)	April 25, 2014
28	Amendment to OGRA Service Regulation, 2005 (Regulation 19A)	July 7, 2014
29	Amendment to OGRA Service Regulation, 2005 (Regulation 98)	March 21, 2015
30	Amendment to OGRA Service Regulations, 2005 (Regulation 84)	September 30, 2015
31	Amendment to OGRA Service Regulations, 2005 (Appendix B)	December 23, 2015
32	Amendment to OGRA Service Regulations, 2005 (Regulation 30, 80 & 92)	December 23, 2015
33	Amendment to OGRA Service Regulations, 2005 (Regulation 80 & 105)	March 16, 2016
34	Amendment to OGRA Service Regulations, 2005 (Chapter — XVII)	June 22, 2016
35	Amendment in OGRA Service Regulations, 2005 (Regulation 53, 55 & 56)	August 16, 2016
36	Amendment to OGRA Service Regulation, 2005 (Regulation 19)	January 4, 2017
37	Amendment in OGRA Service Regulations, 2005 (Appendix A)	January 12, 2017
38	Amendment in OGRA Service Regulations, 2005 (Appendix B)	January 12, 2017
39	Amendment in OGRA Service Regulations, 2005 (Appendix B)	January 31, 2017
40	Amendment in LPG (Production & Distribution) Rules, 2001 (Rule 58 &18)	August 19, 2017
41	Amendment in LPG (Production & Distribution) Rules, 2001 (Appendix I)	October 27, 2017

APPENDIX-II

Licences Issued in Oil Sector

List of Operational Oil Marketing Companies as on June 30, 2021

Sr. No.	Company Name/Title	Date of Issuance of Licence
1	M/s. Attock Petroleum Limited.	February 11, 1997
2	M/s. Total Parco Pakistan Limited.	January 17, 2001
3	M/s. Byco Petroleum Pakistan Limited. (Marketing)	March 4, 2002
4	M/s. Pakistan State Oil Company Limited.	August 23, 2002
5	M/s. Puma Energy Pvt. Limited. (Formerly Admore)	December 16, 2003
6	M/s. Hascol Petroleum Limited.	February 25, 2005
10	M/s. Askar Oil Services Pvt. Limited.	July 4, 2005
8	M/s. BE Energy Limited.	August 18, 2005
11	M/s. Zoom Petroleum Pvt. Limited.	November 23, 2010
7	M/s. Shell Pakistan Limited.	January 11, 2011
9	M/s. Gas and Oil Pakistan Limited.	June 12, 2012
12	M/s. Horizon Oil Company Pvt. Limited.	March 28, 2013
13	M/s. LaGuardia Petroleum Pvt. Limited.	March 28, 2013
14	M/s. Kepler Petroleum Pvt. Limited.	February 26, 2014
15	M/s. Exceed Petroleum Pvt. Limited.	May 27, 2014
16	M/s. Oilco Petroleum Pvt. Limited.	July 4, 2014
17	M/s. OTO Pakistan Pvt. Limited.	October 22, 2014
18	M/s. Quality-1 Petroleum Pvt. Limited.	October 22, 2014
19	M/s. The Fuelers Pvt. Limited.	August 17, 2015
20	M/s. Zoom Marketing Pvt. Limited. (Z&M)	August 17, 2015
21	M/s. Al-Noor Petroleum Pvt. Limited.	July 22, 2016
22	M/s. Best Petroleum Pvt. Limited.	July 22, 2016
23	M/s. Euro Oil Pvt. Limited.	July 22, 2016
24	M/s. Oil Industries Pakistan Pvt. Limited.	July 22, 2016
25	M/s. Fast Oil Company Pvt. Limited.	October 21, 2016
26	M/s. Hi-Tech Lubricants Limited.	October 21, 2016
27	M/s. Jinn Petroleum Pvt. Limited.	October 21, 2016
28	M/s. Max Fuels Pvt. Limited.	October 21, 2016
29	M/s. Allied Petroleum Pvt. Limited.	December 21, 2016
30	M/s. Vital Petroleum Pvt. Limited.	December 21, 2016
31	M/s. Taj Gasoline Pvt. Limited.	December 21, 2016
32	M/s. My Petroleum Pvt. Limited.	December 26, 2016
33	M/s. Fossil Energy Pvt. Limited.	September 18, 2017
34	M/s. Flow Petroleum Pvt. Limited.	April 5, 2018

List of Operational Oil Refineries as on June 30, 2021

Sr. No.	Name of Refinery	Location	Date of Issuance of Licence
1	Attock Refinery Limited	Morgah – Rawalpindi	January 16, 2019
2	National Refinery Limited	7-B Korangi Industrial Zone Karachi	March 11, 2019
3	Byco Pakistan Petroleum Limited	Mouza Kund, Hub- Baluchistan	May 16, 2019

4	Byco Petroleum Pakistan Limited	Mouza Kund, Hub– Baluchistan	May 16, 2019
5	Pak Arab Refinery	Qasba Gujrat – Mahmood Kot – Muzaffargarh	June 12, 2019
6	Pakistan Refinery Limited	Korangi Creek – Karachi	June 12, 2019

List of Lubricant Marketing Companies as of June 30, 2021

Sr. No.	Company Name / Title	Date of issuance of Licence
1	Petrosel Lubricants (Pvt) Limited	April 5, 2016
2	Oil Industries Pakistan (Pvt) Limited	April 5, 2016
3	Qalco Pakistan (Pvt) Limited	April 27, 2016
4	Chase Lubricants (Pvt) Limited	December 14, 2016
5	Indus Lube Oils Company (Pvt) Limited	December 14, 2016
6	AA Lubricants (Pvt) Limited	December 14, 2016
7	Hi Tech Lubricants (Pvt) Limited	December 14, 2016
8	Zafar Tractor Center (Pvt) Limited	December 14, 2016
9	Mehran Oils (Pvt) Limited	December 14, 2016
10	Ori-Tech Oils (Pvt) Limited	December 14, 2016
11	Castrol Pakistan (Pvt) Limited	December 14, 2016
12	Allied Engineering & Services (Pvt) Limited	December 14, 2016
13	Filter House (Pvt) Limited	December 16, 2016
14	Pakistan Lubricants (Pvt) Limited	December 20, 2016
15	Intertrade Distributors (Pvt) Limited	December 20, 2016
16	Urooj Autos (Pvt) Limited	December 20, 2016
17	Orient Energy Systems (Pvt) Limited	December 20, 2016
18	S.Naeem International (Pvt) Limited	December 20, 2016
19	GR Brothers (Pvt) Limited	December 20, 2016
20	Seven Ocean Enterprises (Pvt) Limited	December 20, 2016
21	Momin & Sons (Pvt) Limited	December 21, 2016
22	Rubatech Manu Company (Pvt) Limited	June 7, 2017
23	SKS Brothers (Pvt) Limited	June 7, 2017
24	Johar Traders (Pvt) Limited	June 7, 2017
25	Raib Petroleum (Pvt) Limited	June 7, 2017
26	B Chem Lubrication (Pvt) Limited	June 7, 2017
27	HE Petroleum (Pvt) Limited (Ex-Hasnain Enterprises)	June 7, 2017
28	Khoshgozar Impex (Pvt) Limited	June 7, 2017
29	Servo Motor Oil (Pvt) Limited	June 22, 2017
30	Burraque Oil Mills (Pvt) Limited	July 14, 2017
31	Muzaffar Brothers Trading Company (Pvt) Limited	July 31, 2017
32	Rulux Lubricants Oil & Greases (Pvt) Limited	August 21, 2017
33	Afnan International (Total Lubricants (Pvt) Limited)	August 25, 2017
34	Syed Autos (Pvt) Limited (Ex– Bukhari Autos)	August 28, 2017
35	Wazir Oil Limited (Pvt) Limited	August 30, 2017
36	Lubrizone Marketing (Pvt) Limited	September 19, 2017
37	H.M Lubricants International (Pvt) Limited	October 11, 2017
38	ENL (Pvt) Limited	October 12, 2017
39	Future Lubricants (Pvt) Limited (Ex–Fan Enterprises)	October 13, 2017
40	Chevron Pakistan Lubricants (Pvt) Limited	October 27, 2017
41	Impact Marketing (Pvt) Limited	October 27, 2017
42	Khawaja Lubricants Trade Center (Pvt) Limited	November 3, 2017
43	Mohsin & Company (Pvt) Limited	November 3, 2017

44	Ayesha + Marriam Lubricants (Pvt) Limited	November 28, 2017
45	Rising Sons Trading Company (Pvt) Limited	November 30, 2017
46	GSA Pakistan (Pvt) Limited	October 26, 2017
47	China Huarun Technology (Pvt) Limited	December 27, 2017
48	Global Lubricants (Pvt) Limited	December 28, 2017
49	LM Pak Lubricants (Pvt) Limited	February 27, 2018
50	Al-Bashir Weaving	April 4, 2018
51	Faraz Brothers (SMC –Pvt) Limited	April 4, 2018
52	Addinol Pakistan (Pvt) Limited	April 4, 2018
53	Aero Nautica (Pvt) Limited	April 4, 2018
54	Pioneer Automotive (Pvt) Limited	April 13, 2018
55	Atlas Autos (Pvt) Limited	April 13, 2018
56	Shahid Maqsood & Co. (Pvt) Limited	April 13, 2018
57	Ansar Enterprises–SMC (Pvt) Limited	April 13, 2018
58	Adil Ehsan–SMC (Pvt) Limited	April 13, 2018
59	International Petrochem Company	April 23, 2018
60	Asif Brothers Marketing	June 25, 2018
61	Paralube (Pvt) Limited	June 25, 2018
62	Haroon Oil Limited	June 25, 2018
63	Toyota Indus Motor Company (Pvt) Limited	July 11, 2018
64	Abdul Ali Trading	July 12, 2018
65	Lala Jee Lubricants (Pvt) Limited	August 3, 2018
66	Benz Oil	August 3, 2018
67	Clover Pakistan Limited	September 27, 2018
68	Deewan Lubricants–SMC (Pvt) Limited	October 22, 2018
69	Mubeen Saigal Lubricants	January 15, 2019
70	Reliance Petrochem Industries	January 15, 2019
71	Marwat MZ (Pvt) Limited	February 22, 2019
72	Cheema Oil Company (Pvt) Limited	February 22, 2019
73	Idemitsu Lube Pakistan (Pvt) Limited	May 29, 2019
74	Atec Solutions (Pvt) Limited	May 29, 2019
75	Innayati Zia International (Pvt) Limited	June 11, 2019
76	Transworld Aerospace Pakistan (Pvt) Limited	September 3, 2019
77	Gulf Lubricants (Pvt) Limited	September 3, 2019
78	S.N Global Marketing Company (Pvt) Limited	November 28, 2019
79	Taxx Petroleum (Pvt) Limited	December 24, 2019
80	Petromin Pakistan (Pvt) Limited	February 21, 2020
81	Al-Masood & Company (Pvt) Limited	April 14, 2020
82	Strategic Logistics Services	May 12, 2020
83	Berlin Petroleum (Pvt) Limited	July 17, 2020
84	FMB Trading (Pvt) Limited	July 20, 2020
85	General Petroleum (Pvt) Limited	July 21, 2020
86	Jaff Lubricants (Pvt) Limited	July 21, 2020
87	Nexon Lube (Pvt) Limited	July 21, 2020
88	Filter House (Pvt) Limited	June 11, 2021

List of Lubricant Plants as of June 30, 2021

S. No.	Company Name/Title	City	Type of Plant	Date of Issuance of Licence
1	Mian Petroleum	Lahore	Blending	March 21, 2016
2	GMSA Industries (Pvt) Limited	Faisalabad	Blending	April 19, 2016
3	MAL Pakistan	Hub Chowki	Blending	April 19, 2016
4	Indus Lube Oils Company	Hyderabad	Blending	March 8, 2017
5	Mehran Oils Limited.	Hyderabad	Blending	March 8, 2017
6	Penz Petroleum	Multan	Blending	March 14, 2017
7	Race Track Lubricants (Pvt) Limited	Lahore	Blending	March 15, 2017
8	Jamia Lubricant Industries	Karachi	Blending	March 15, 2017
9	Zamirsons Petroleum Industries	Lahore	Blending	March 15, 2017
10	Pakistan Lubricants	Karachi	Blending	March 16, 2017
11	Haroon Oil Limited.	Karachi	Blending	March 16, 2017
12	Punjab Petroleum Industries	Lahore	Blending	March 17, 2017
13	Etihad Lube Oil Company	Karachi	Blending	March 20, 2017
14	Chevron Pakistan (Pvt) Limited	Karachi	Blending	March 21, 2017
15	Faran Ahmed Petroleum Industry	Multan	Blending	March 27, 2017
16	Shiraz Lubricants	Rahim Yar Khan	Blending	March 27, 2017
17	Khams Lubricants	Peshawar	Blending	June 13, 2017
18	Universal Petroleum	Karachi	Blending	July 14, 2017
19	Transflo Lubricants Company	Karachi	Blending	July 14, 2017
20	Al-Flah Lubricants	Haripur	Blending	August 21, 2017
21	Pak Hy Oils Limited	Karachi	Blending	August 25, 2017
22	Union Chemicals	Karachi	Blending	August 28, 2017
23	Shell Pakistan Limited	Karachi	Blending	August 28, 2017
24	Lubricator Industry	Karachi	Blending	October 4, 2017
25	Total Parco Pakistan Limited	Karachi	Blending	November 3, 2017
26	Hi Tech Blending (Pvt) Limited.	Lahore	Blending	November 3, 2017
27	Golden Lubricants	Multan	Blending	February 9, 2018
28	Shams Lubricants (Pvt) Limited	Lasbela	Blending	April 6, 2018
29	Asia Lubricants	Karachi	Blending	April 17, 2018
30	Al-Rehman Lubricants	Karachi	Blending	June 14, 2018
31	Techno Lube International	Karachi	Blending	October 22, 2018
32	Pakistan State Oil Company	Karachi	Blending (LMB-A)	February 22, 2019
33	Pakistan State Oil Company	Karachi	Blending (LMT)	February 22, 2019
34	Hascol Lubricants (Pvt) Limited	Karachi	Blending	September 16, 2019
35	Mirza Lubricants	Hafizabad	Blending & Reclamation	March 8, 2017
36	Power Lubricants	Lahore	Blending & Reclamation	March 10, 2017
37	Aamir Oil Regd.	Multan	Blending & Reclamation	March 15, 2017
38	Karachi Lubricants	Karachi	Blending & Reclamation	March 16, 2017
39	Burraque Oil Mills	Hyderabad	Blending & Reclamation	March 20, 2017
40	Falcon Lubricants	Chiniot	Blending & Reclamation	March 20, 2017

41	Masha Allah Sial Lubricants	Multan	Blending & Reclamation	March 21, 2017
42	Haider Petroleum	Gujranwala	Blending & Reclamation	March 24, 2017
43	Roshan Lubricants	Multan	Blending & Reclamation	March 27, 2017
44	Petromark (Pvt) Limited	Karachi	Blending & Reclamation	March 29, 2017
45	Sun Lubricants	Multan	Blending & Reclamation	August 30, 2017
46	Ittehad Lubricants	Rahim Yar Khan	Blending & Reclamation	October 11, 2017
47	Orient Lubricants	Karachi	Blending & Reclamation	October 11, 2017
48	Arham Lubricants	Faisalabad	Blending & Reclamation	October 13, 2017
49	Hammad Lubricants	Karachi	Blending & Reclamation	November 3, 2017
50	Fine Lubricants	Karachi	Blending & Reclamation	December 27, 2017
51	Kamran Lubricants (Pvt) Limited	Multan	Blending & Reclamation	April 4, 2018
52	Golden Petroleum Company	Karachi	Blending & Reclamation	April 6, 2018
53	Al-Jabble Lubricants	Karachi	Blending & Reclamation	April 6, 2018
54	Bismillah Lubricants	Sheikhupura	Blending & Reclamation	April 23, 2018
55	Star Oil Company	Karachi	Blending & Reclamation	October 22, 2018
56	Adam Lubricants	Karachi	Blending & Reclamation	December 20, 2018
57	Orient Oils	Karachi	Blending & Transformer	April 21, 2016
58	Oil Industries Pakistan	Karachi	Blending & Transformer	April 22, 2016
59	Pak Trans Oil	Lahore	Transformer	March 17, 2017
60	Vega Lubricants	Lahore	Blending & Transformer	March 27, 2017
61	Guard Friction (Pvt) Limited	Lahore	Blending & Grease	March 27, 2017
62	Servo Motor Oil Company	Multan	Blending & Grease	April 4, 2018
63	Lubritech Industries (Pvt) Limited	Karachi	Blending & Grease	July 15, 2018
64	Islam Lubricants (Pvt) Limited	Gujranwala	Blending, Grease & Transformer	April 9, 2018
65	Pak Grease (Pvt) Limited	Karachi	Grease	January 15, 2019
66	Oil Industries Pakistan	Karachi	Grease	June 29, 2020
67	Fareed Lubricants	Multan	Reclamation	March 22, 2017

68	Mclone Lubricants	Peshawar	Reclamation	March 27, 2017
69	Ibrahim Lubricants	Faisalabad	Reclamation	August 25, 2017
70	Imran Ali Lubricants	Faisalabad	Reclamation	December 28, 2017
71	Wahab Lubricants	Faisalabad	Reclamation	April 4, 2018
72	Sheikh Brothers	Gujranwala	Reclamation	June 6, 2018
73	Super Pakistan Lubricants	Karachi	Reclamation	June 6, 2018
74	MashaAllah Sial Oil Mills	Multan	Reclamation	September 27, 2018
75	Madina Lubricants	Haripur	Reclamation	December 7, 2018
76	Subhan Lubricants Mobil Oil	Okara	Reclamation	December 20, 2018
77	Sunrise Lubricants	Sheikhupura	Reclamation	April 14, 2020
78	Sheraz & Afaq	Multan	Reclamation	February 3, 2021

APPENDIX-III

List of Natural Gas/ RLNG Licences Issues as of June 30, 2021

S. No.	Company	Type of Licence	Date of Issuance	No of Licences
1	Sui Northern Gas Pipelines Limited (SNGPL)	1. Transmission, Distribution, and Sale of Natural Gas in the Punjab, NWFP, AJK, FATA and Some parts of Sindh 2. Gas Storage Facility at Lilla Town Punjab	September 3, 2003 April 30, 2008	02
2	Sui Southern Gas Company Limited (SSGCL)	Transmission, Distribution, and Sale of Natural Gas in Sindh and Baluchistan	September 3, 2003	01
3	Mari Petroleum Company Limited (MPCL)	Sale of Natural Gas to <ul style="list-style-type: none"> Fauji Fertilizer Company Limited (FFCL), Engro Chemical Pakistan Limited (ECPL) Central Power Generation Company Limited (CPGCL) Any other retail consumer with prior approval of the Authority 	August 11, 2004	01
4	Pakistan Petroleum Limited (PPL)	Sale of Natural Gas to Central Power Generation Company Limited (CPGCL)	November 23, 2004	01
5	Oil and Gas Development Company Limited (OGDCL)	1. Transmission and Sale of Natural Gas to Uch Power Plant 2. Sale of Natural Gas to Fauji Kabirwala Power Company Limited 3. Sale of Natural Gas to Altern Energy	December 30, 2004	03
6	Fauji Fertilizer Company Limited	Transmission of Natural Gas	April 7, 2005	01
7	Engro Chemicals Pakistan Limited	Transmission of Natural Gas	April 7, 2005	01
8	Central Power Generation Company Limited	Transmission of Natural Gas	April 14, 2005	01
9	Fatima Fertilizer Company Limited	Transmission of Natural Gas	April 16, 2007	01
10	Foundation Power Company Limited	Transmission of Natural Gas	August 27, 2007	01
11	Star Power Generation Limited	Transmission of Natural Gas	January 30, 2008	01
12	Engro Fertilizer Limited	Transmission of Natural Gas	June 13, 2014	01
13	Oil and Gas Development Company Limited	Sale of Natural Gas from Reti Meru Gas field to Engro Fertilizer Limited	June 26, 2014	01
14	Oil and Gas Development Company Limited	Sale and Transmission of Natural Gas from UCH field to UCH-II Power Plant	June 26, 2014	01

15	Elengy Terminal Pakistan Limited (ETPL)	Transmission of Natural Gas from LNG receiving Terminal at Port Qasim (Karachi) to SSGC's Transmission Line injection point.	July 02, 2014	01
16	Universal Gas Distribution Company Pvt. Limited (UGDCL)	Sale of Natural Gas (RLNG) to OGRA's Licensed CNG Stations.	February 22, 2016	01
17	Gaseous Distribution Company Limited (GDCL)	Sale of Natural Gas (RLNG) to OGRA's Licensed CNG Stations.	December 21, 2016	01
18	Fauji Oil Terminal and Distribution Company Limited (FOTCO)	License to undertake Transmission of Natural Gas, which incorporates Construction and Operation of natural gas pipeline (30 x 13.3 Km long) along with ancillary / connected facilities for the purpose of transmission of natural gas from proposed Pakistan Gas Port Consortium Ltd. (PGPCL) Terminal to SSGC's tie in point located at Port Qasim, Karachi.	December 21, 2016	01
19	Pakistan LNG Limited	License to undertake the regulated activity of Sale of Natural Gas / RLNG.	October 31, 2017	01
20	Inter State Gas Systems Limited (ISGSL)	License to undertake the construction and operation of Natural Gas Pipeline Projects, i.e. Iran -Pakistan (IP), Turkmenistan -Afghanistan-Pakistan-India (TAPI) and North South Gas Pipeline Projects (NSGP).	January 28, 2019	01
21	Trafigura Pakistan (Pvt) Limited	License for the sale of natural gas / RLNG to various consumers in the Country.	May 28, 2019	01
22	Pakarab Fertilizers Limited	Licence to undertake Regulated Activity Related to Construction and Operation of Pipeline for Transmission of Natural Gas	October 07, 2019	01
23	K-Electric Limited (KEL)	Licence to undertake Regulated Activity Related to Construction and Operation of Pipeline for Transmission of Natural Gas / RLNG	January 06, 2021	01
24	Tabeer Energy Marketing (Private) Limited (TEML)	Licence to undertake Regulated Activity Related to Sales of Natural Gas / RLNG	January 12, 2021	01
25	Energas Marketing (Private) Limited (EMPL)	Licence to undertake Regulated Activity Related to Sales of Natural Gas / RLNG in Pakistan	12 January, 2021	01
26	Shell Energy Pakistan (Private) Limited	Licence to undertake Regulated Activity Related to Sales of Natural Gas / RLNG to the Consumers	05 May, 2021	01
27	EnerGas Terminal (Private) Limited (ETPL)	Licence to undertake Regulated Activity Related to Construction and Operation of Pipeline (Connecting EnerGas LNG Terminal to SSGC Tie -in point at Port Qasim) for Transmission of Natural Gas / RLNG	June 16, 2021	01

APPENDIX IV

List of Field /Well Wise Wellhead Gas Prices Notified During FY 2020–21

Sr. No.	Field/Well Name	Unit	Wellhead Gas Price	
			July-December 2020	January-June 2021
1	Adam West X-1, Hala Block	US\$/MMBTU	4.7315	4.1504
2	Adam X-1, Hala Block	US\$/MMBTU	2.6844	2.6478
3	Adhi	Rs./MMBTU	247.36	235.66
4	Ali-01, Mirpurkhas Block	US\$/MMBTU	2.6844	-
5	Aqeeq-1, Sujawal Block	US\$/MMBTU	4.7315	4.1504
6	Badhra	US\$/MMBTU	3.3664	3.0381
7	Baudero-01, Mirpurkhas Block	US\$/MMBTU	2.5868	2.5515
8	Bhambhra-01, Thal Concession	US\$/MMBTU	4.7315	4.1504
9	Bhit	US\$/MMBTU	3.3664	3.0381
10	Bitrisim West-1A	US\$/MMBTU	2.5868	2.5515
11	Bitro-1, Latif Concession:			
	For Specification Gas	US\$/MMBTU	4.4949	4.1504
	For Off Specification Gas	US\$/MMBTU	4.2584	-
12	Chachar	US\$/MMBTU	1.5183	1.3661
13	Chanda:			
	For Specification Gas	US\$/MMBTU	2.8832	2.8439
	For Off Specification Gas	US\$/MMBTU	2.4507	2.4174
14	Chandio, Tando Allah Yar Concession	US\$/MMBTU	2.5868	2.5515
15	Chhutto-01, NIM Concession	US\$/MMBTU	2.5868	2.5515
16	Dachrapur	US\$/MMBTU	2.5868	-
17	Dars, Tando Allah Yar Concession	US\$/MMBTU	2.5868	2.5515
18	Dars Deep, Tando Allah Yar Concession	US\$/MMBTU	2.5868	2.5515

19	Dars West, Tando Allah Aar Concession	US\$/MMBTU	2.5868	2.5515
20	Daru Gas Field	Rs./MMBTU	216.59	207.21
21	Dakhni	Rs./MMBTU	246.38	235.71
22	Dhodak	Rs./MMBTU	492.26	470.94
23	Dhok Hussain-01, Baratai Concession	US\$/MMBTU	5.2044	4.5653
24	Fazal X-1, Hala Block	US\$/MMBTU	4.7315	4.1504
25	Jakoro	US\$/MMBTU	2.5868	2.5515
26	Jhandial-01:			
	For Specification Gas	US\$/MMBTU	4.9442	4.3370
	For Off Specification Gas	US\$/MMBTU	4.6840	4.1088
27	Kadanwari:			
	For production up to and including 100 MMMBTU/DAY	US\$/MMBTU	5.1682	5.8778
	For production greater than 100 and including 200 MMMBTU/DAY	US\$/MMBTU	5.0322	5.7232
	For production greater than 200 and including 300 MMMBTU/DAY	US\$/MMBTU	4.6242	5.2591
	For production greater than 300 MMMBTU/DAY	US\$/MMBTU	4.3522	4.9498
28	Kamal North, Khipro Block	US\$/MMBTU	2.6844	2.6478
29	Kandhkot	Rs./MMBTU	255.48	218.83
30	Kausar Deep, Mirpurkhas Block	US\$/MMBTU	2.6844	2.6478
31	Koonj-1A	US\$/MMBTU	3.0377	-
32	Kunner Deep & Pasaki Deep	US\$/MMBTU	2.5868	2.5515
33	Kunner South-1	US\$/MMBTU	3.0377	2.9702
34	Loti	Rs./MMBTU	231.47	221.45
35	Makori, Tal Block	US\$/MMBTU	2.7784	2.7405
36	Makori Deep, Tal Block	US\$/MMBTU	4.9683	4.3582
37	Makori East, Tal Block	US\$/MMBTU	3.4656	3.2771
38	Mamikhel, Tal Block	US\$/MMBTU	3.2877	3.2096
39	Mangrio, NIM Concession	US\$/MMBTU	-	2.5515

40	Manzalai, Tal Block	US\$/MMBTU	2.8832	2.8439
41	Mari	Rs./MMBTU	256.2131	219.6850
42	Maramzai, TAL Block	US\$/MMBTU	3.4656	3.2771
43	Mela	US\$/MMBTU	2.7784	2.7405
44	Miano Gas Field	US\$/MMBTU	3.1343	2.8286
45	Moroja-01 Discovery, Mirpurkhas Block	US\$/MMBTU	2.5868	2.5515
46	Naimat West, Khipro Block	US\$/MMBTU	4.7315	4.1504
47	Nashpa, NIM Concession	US\$/MMBTU	2.7784	2.7405
48	Pasaki East-1, Tando Allah Yar Concession	US\$/MMBTU	3.0377	-
49	Qadirpur	Rs./MMBTU	449.10	439.05
50	Rahib-01, Khipro Block	US\$/MMBTU	2.5868	-
51	Rajani-1, Mirpurkhas Block	US\$/MMBTU	4.7315	4.1504
52	Ratana	Rs./MMBTU	646.3489	624.6168
53	Rehman:			
	For the production of natural gas up to 8.751 MMCFD	US\$/MMBTU	5.6531	5.1818
	For the production of natural gas over 8.751 MMCFD	US\$/MMBTU	5.2762	4.8363
54	Rizq-1, Kirthar Block	US\$/MMBTU	5.2762	4.8363
55	Rizq-2, Kirthar Block	US\$/MMBTU	5.2762	4.8363
56	Saand-01, NIM Concession	US\$/MMBTU	3.2266	3.0511
57	Sadkal:			
	For the production upto and including 100 MMBTU/DAY	Rs./MMBTU	505.09	595.75
	For the production greater than 100 upto and including 200 MMBTU/DAY	Rs./MMBTU	447.36	527.66
	For the production greater than 200 upto and including 300 MMBTU/DAY	Rs./MMBTU	389.64	459.58
	For the production greater than 300 MMBTU/DAY	Rs./MMBTU	317.48	374.47
58	Sari Hundi:			
	For production up to 30 MMBTU/DAY	Rs./MMBTU	510.69	555.66
	For production greater than 30 up to 50 MMBTU/DAY	Rs./MMBTU	480.65	522.97
	For production greater than 50 up to 70 MMBTU/DAY	Rs./MMBTU	450.60	490.29
	For production greater than 70 up to 90 MMBTU/DAY	Rs./MMBTU	420.56	457.60
	For production greater than 90 up to 110 MMBTU/DAY	Rs./MMBTU	390.52	424.92

	For production greater than 110 up to 130 MMBTU/DAY	Rs./MMBTU	360.48	392.23
	For production greater than 130 up to 150 MMBTU/DAY	Rs./MMBTU	330.44	359.54
	For production greater than 150 MMBTU/DAY and upwards	Rs./MMBTU	300.40	326.86
59	Sawan Gas Field	US\$/MMBTU	3.1343	2.8286
60	Shah 1, Tando Allah Yar Concession	US\$/MMBTU	3.2266	3.0512
61	Shahbaz-1, Mari D&P Lease Area	US\$/MMBTU	4.7315	4.1504
62	Saleh 1, Mirpurkhas Block	US\$/MMBTU	4.7315	4.1504
63	Saqib-1A, Mubarak Block	US\$/MMBTU	3.0377	2.9702
64	Shahdadpur (WafiqX-1, Nasr -1 & Sharaf X-1	US\$/MMBTU	4.7315	4.1504
65	Shahdadpur West (Shahdad X-1)	US\$/MMBTU	4.7315	4.1504
66	Shaheen-1, Mari D&P Lease Area	US\$/MMBTU	4.7315	4.1504
67	Soghri	US\$/MMBTU	5.2044	4.5653
68	Sohrab Deep-01, Mirpurkhas Block	US\$/MMBTU	4.7315	4.1504
69	Sui	US\$/MMBTU	2.7326	2.3970
70	Sujawal X-1, Sujawal Block	US\$/MMBTU	3.2266	3.0512
71	Sujjal-1 Well, Sujawal Block	US\$/MMBTU	4.7315	4.1504
72	Sutiari Deep-01, Khipro Block	US\$/MMBTU	4.7315	4.1504
73	Tajjal, Gambat Block	US\$/MMBTU	2.6844	-
74	Tando Allah Yar North	US\$/MMBTU	2.5868	2.5515
75	Tando Allah Yar	US\$/MMBTU	2.5868	2.5515
76	TAY South West-01, TAY Concession	US\$/MMBTU	2.5868	2.5515
77	Thal East-01, Thal Concession	US\$/MMBTU	4.7315	4.1504
78	Thal West	US\$/MMBTU	4.7315	4.1504
79	Togh-01 Discovery, Kohat Concession:			
	For Specification Gas	US\$/MMBTU	4.9442	-
	For Off Specification Gas	US\$/MMBTU	4.6840	4.5653
80	Tolanj West, TAL Block	US\$/MMBTU	4.9683	4.3582

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81	Tolanj X-1, TAL Block	US\$/ MMBTU	3.4656	3.2771
82	Uch	US\$/ MMBTU	3.9223	6.1872
			5.4402	
83	Umar, Mirpurkhas Block	US\$/ MMBTU	2.6844	2.6478
84	Unar, Tando Allah Yar Concession	US\$/ MMBTU	2.5868	2.5515
85	Zamzama SSGCL	US\$/ MMBTU	3.0443	2.7386
86	Zamzama SNGPL	US\$/ MMBTU	3.0468	2.7411
87	ZamzamaWapda/Guddu	US\$/ MMBTU	3.0873	2.7816
88	Zamzama SSGCL – Phase – II	US\$/ MMBTU	3.1343	2.8286
89	Zarghun South Field:			
	For Conventional Gas from Chiltan, Mughalkot and Moro Formations	US\$/ MMBTU	2.8829	2.8439
	For Tight Gas from Dunghan Gas Reservoir	US\$/ MMBTU	5.6668	5.1944

APPENDIX-V

1. Sui Northern Gas Pipelines Limited

2. Sui Southern Gas Company Limited

Particulars		Sale Price w.e.f. September 01, 2020 Rs./MMBTU
(I)	<u>Domestic Consumers:</u>	-
	a) Standalone meters	
	b) Mosques, churches, temples, madrassas, other Religious Places and Hostels attached thereto;	
	Upto 0.5 HM ³ per month	121.00
	Upto 1 HM ³ per month	300.00
	Upto 2 HM ³ per month	553.00
	Upto 3 HM ³ per month	738.00
	Upto 4 HM ³ per month	1,107.00
	Above 4 HM ³ per month	1,460.00
	c) Government and semi-Government offices, Hospitals, Clinics, Maternity Homes, Government Guest Houses, Armed Forces Messes, Langars, Universities, Colleges, Schools and Private Educational Institutions, Orphanages and other Charitable Institutions along with Hostels and Residential Colonies to whom gas is supplied through bulk meters including Captive Power. The tariff for captive gas use in this category will be charged as per captive power category i.e. Rs. 1,087 per MMBTU.	
(II)	<u>Special Commercial Consumers (Roti Tandoors)</u>	-
	Upto 0.5 HM ³ per month	110.00
	Upto 1 HM ³ per month	110.00
	Upto 2 HM ³ per month	220.00
	Upto 3 HM ³ per month	220.00
	Above 3 HM ³ per month	700.00
(III)	<u>Commercial:</u>	-
	All establishments registered as commercial units with local authorities or dealing in consumer items for direct commercial sale like cafes, bakeries, milk shops, tea stalls, canteens, barber shops, laundries, hotels including hotel industry, malls, places of entertainment like cinemas, clubs, theaters and private offices, corporate firms, etc.	
	All off-takes at flat rate of	1283.00
(IV)	<u>Ice Factories:</u>	-
	All off-takes at flat rate of	1283.00
(V)	<u>General Industrial:</u>	-
	All consumers engaged in the processing of industrial raw material into value added finished products irrespective of the volume of gas consumed but excluding such industries for which a separate rate has been prescribed.	
	All off-takes at flat rate of	1054.00
(VI)	<u>Export Oriented (General Industry):</u>	
	All off-takes at flat rate of	819.00
(VII)	<u>Export Oriented (Captive):</u>	
	All off-takes at flat rate of	852.00
(VIII)	<u>CNG Region-I:</u>	-
	All off-takes at flat rate of	1,371.00

(IX)	<u>CNG Region-II:</u>	
	All off-takes at flat rate of	1,350.00
(X)	<u>Cement Factories:</u>	-
	All off-takes at flat rate of	1,277.00
(XI)	<u>Fertilizer Factories:</u>	-
a.	<u>ON SNGPL SYSTEM</u>	-
(i)	Pak American Fertilizer Company Limited, Daudkhel.	
(a)	For gas used as feed stock for fertilizer	
	All off-takes at flat rate of	302.00
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
(ii)	Dawood Hercules Chemicals Limited, Chichoki Mallian, Sheikhuura District:	
(a)	For gas used as feed stock for fertilizer	
	All off-takes at flat rate of	302.00
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
(iii)	Pak Arab Fertilizer Limited, Multan.	
(a)	For gas used as feed stock for fertilizer	
	All off-takes at flat rate of	302.00
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
(iv)	Pak-China Fertilizer Limited/Hazara Phosphate Plant Limited, Haripur.	
(a)	For gas used as feed stock for fertilizer.	
	All off-takes at flat rate of	302.00
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
(v)	Hazara Phosphate Fertilizer Plant Limited, Haripur:	
(a)	For gas used as feed stock for fertilizer.	
	All off-takes at flat rate of	302.00
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
(vi)	ENGRO Fertilizer Company Limited	
(a)	For gas used as feed stock for fertilizer	
	All off-takes at flat rate of	\$ 0.70
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
b.	<u>ON SSGCL SYSTEM</u>	
(i)	Fauji Fertilizer Bin Qasim Limited	-
(a)	For gas used as feed stock for fertilizer	
	All off-takes at flat rate of	302.00
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
(XII)	<u>Power Stations (WAPDA's and KESC's Power Stations):</u>	-

(i)	WAPDA's and KESC's Power Stations and other electricity utility companies.	
	All off-takes at flat rate of	857.00
(ii)	WAPDA's Gas Turbine Power Station, Nishatabad Faisalabad.	
	All off-takes at flat rate of	857.00
(XIII)	<u>Independent Power Producers:</u>	-
	All off-takes at flat rate of	857.00
(XIV)	<u>Captive Power (General Industry):</u>	
	Captive Power Plant/Unit means an industrial undertaking /unit carrying out the activity of power production (with or without co-generation) for self-consumption and /or for sale of surplus power to a Distribution Company or bulk - power consumer.	
	All off-takes at flat rate of	1,087.00
(XV)	<u>Mari Petroleum Company Limited:</u>	
(i)	ENGRO Fertilizer Company Limited:	
(a)	For gas used as feed stock for fertilizer	
	All off-takes at flat rate of	302.00
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
(ii)	Fauji Fertilizer Company Limited -Goth Machi, District Rahim Yar Khan and Mirpur Mathelo, District Ghotki (ex-PSFL):	
(a)	For gas used as feed stock for fertilizer	
	All off-takes at flat rate of	302.00
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
(iii)	Fatima Fertilizer Company Limited:	
(a)	For gas used as feed stock for fertilizer	
	All off-takes at flat rate of	\$ 0.70
(b)	For gas used as fuel for generation of electricity, steam and for usage of housing colonies.	
	All off-takes at flat rate of	1,023.00
(iv)	Foundation Power Company (Daharki) Limited:	
	All off-takes at flat rate of	857.00

Appendix-VI

List of LPG Producers as of June 30, 2021.

Sr. No.	Subject / Name of Company	Facility / Field Location	Province	Date of Issuance of Licence
1	Oil & Gas Development Company Limited (OGDCL)			
		Kunnar	Sindh	June 9, 2000
		Chanda	KP	September 16, 2013
		Bobi	Sindh	February 6, 2019
		Nashpa	KP	August 23, 2019
		Sinjhor	Sindh	October 2, 2019
		Dakni	Punjab	February 13, 2020
2	Pakistan Petroleum Limited (PPL)			
		Adhi	Punjab	August 28, 1989
		Hala	Sindh	December 24, 2009
		Gambat South Block	Sindh	August 2, 2016
3	Pakistan Oilfields Limited (POL)			
		Meyal	Punjab	February 28, 1983
		Pindori	Punjab	March 4, 1997
4	United Energy Pakistan Limited (UEPL)			
		Naimat Basal	Sindh	May 3, 2007
5	MOL Pakistan Oil & Gas Co. B.V.			
		Karak	KP	May 27, 2014
6	Pak-Arab Refinery Limited (PARCO)			
		Mehmood Kot	Punjab	June 9, 2000
7	Byco Petroleum Pakistan Limited (BPPL)			
		Lasbella	Baluchistan	December 4, 2009
		Mouza Kund	Baluchistan	October 31, 2014
8	National Refinery Limited (NRL)			
		Karachi	Sindh	April 24, 2018
9	Pakistan Refinery Limited (PRL)			
		Karachi	Sindh	November 4, 2020
10	Attock Refinery Limited (ARL)			
		Rawalpindi	Punjab	October 3, 2019
11	Jamshoro Joint Venture Limited (JJVL)			
		Hyderabad	Sindh	September 14, 2010

List of LPG Marketing Companies as of June 30, 2021

Sr. No.	Name of Company / Title	District	Date of Issuance of Licence
Punjab			
1	Usman Gas (Pvt.) Limited	Ahmed Pur East	May 31, 2019
2	Parco Pearl (formerly SHV Energy)	Attock	January 17, 1983
3	Lub Gas	Attock	June 3, 1989
4	Pakistan Oilfields Limited (POL)	Attock	October 26, 1994
5	Super Star Gas	Attock	January 19, 2005
6	OPI Gas	Attock	July 18, 2006
7	Alpha Gas (Pvt) Limited	Attock	February 22, 2008
8	Akbar Associates	Attock	August 22, 2008

9	Blessings Gas (Pvt.) Ltd	Attock	February 12, 2009
10	Gas Man	Attock	July 20, 2011
11	Bukhari Gas & Oil Company (Pvt.) Limited	Attock	May 16, 2014
12	Badhan Traders	Attock	October 8, 2015
13	Pakistan Oilfields Limited (POL)	Attock	November 1, 2016
14	Saak Global (Pvt.) Limited	Attock	July 24, 2017
15	Pakistan State Oil (PSO)	Attock	October 30, 2017
16	MSA Gas (Pvt.) Limited	Attock	November 13, 2017
17	Tanoly Oil & Gas (Pvt.) Limited	Attock	April 17, 2018
18	Total Parco Marketing Limited (Formerly Chevron Pakistan Limited)	Attock	February 19, 2020
19	Shaheen Gas Company	Bahawalnagar	July 14, 2007
20	Lorenzo Gas (Pvt.) Limited.	Bahawalnagar	July 29, 2008
21	Arabian Gas (Pvt.) Limited	Bahawalnagar	May 31, 2019
22	Fort Energy (Pvt.) Limited	Bahawalnagar	November 4, 2020
23	Ijaz Aslam LPG (Pvt.) Limited	Bahawalnagar	December 28, 2020
24	Rana & Company	Bahawalpur	July 15, 2009
25	Shahzeb Gas (Pvt.) Limited	Bahawalpur	December 28, 2018
26	Bhatti Associate (Pvt.) Limited	Bahawalpur	February 12, 2019
27	Synergy Resources (Pvt) Limited	Bhakkar	June 6, 2013
28	Blaze Gas	Chakwal	August 24, 2015
29	AU LPG (Pvt.) Limited	Chakwal	September 14, 2015
30	Gold Gas	Chakwal	April 5, 2016
31	Country Autogas	Chakwal	December 23, 2016
32	Talagang Energy (Pvt.) Limited	Chakwal	October 25, 2017
33	AH Petro Gas (Pvt.) Limited	Chakwal	November 22, 2018
34	Parco Pearl (formerly SHV Energy)	DG Khan	January 17, 1983
35	Anoud Gas (Formerly Eirad Co.)	DG Khan	June 15, 1994
36	Mehran Gas	DG Khan	September 28, 1994
37	Balochistan Gas Co.	DG Khan	September 28, 1994
38	Lub Gas (Pvt.) Limited	DG Khan	June 16, 2011
39	Balochistan Mineral & Oil (Pvt.) Ltd.	DG Khan	August 26, 2015
40	DG LPG (Pvt.) Limited	DG Khan	February 22, 2019
41	Golden Gas (Pvt) Limited	Faisalabad	August 31, 2005
42	Burshane LPG (Pakistan) Limited (formerly Shell Gas	Faisalabad	August 19, 2011
43	Ayan Energy (Pvt.) Limited	Faisalabad	January 6, 2016
44	Mianwali LPG (Pvt.) Limited	Faisalabad	December 15, 2016
45	Gasco LPG (Pvt.) Limited	Faisalabad	June 22, 2018
46	Imperial Gases (Pvt.) Limited	Faisalabad	November 29, 2018
47	FLOGAS (Pvt) Limited	Faisalabad	May 2, 2019
48	Nelum Gas (Pvt.) Limited	Faisalabad	November 4, 2020
49	Petroleum Gas	Gujranwala	February 23, 2006
50	Sadiq Gas Company	Gujranwala	January 5, 2007
51	Iqra Gas (Pvt.) Limited	Gujranwala	March 3, 2009
52	Clover Petroleum (Pvt.) Limited	Gujranwala	February 26, 2016
53	OPI Gas	Gujranwala	July 5, 2017
54	Zam Zam Energy (Pvt.) Limited	Gujranwala	July 23, 2018
55	4 Star Energy (Pvt.) Limited	Gujranwala	November 1, 2019
56	SAM Gas (Pvt.) Limited	Gujrat	July 21, 2005
57	United Gases	Gujrat	April 3, 2009

58	Muhammadi Gas Co.	Gujrat	June 1, 2011
59	Himalaya Gas (Pvt.) Limited	Gujrat	September 20, 2016
60	Chenab LPG	Gujrat	June 22, 2017
61	Warraich Gas (Pvt.) Limited	Gujrat	July 5, 2017
62	Waryam & Sons Gas Co.	Gujrat	September 18, 2017
63	DELTA LPG	Gujrat	April 23, 2018
64	Sundar Gas (Pvt.) Limited	Hafizabad	July 15, 2008
65	Alliance Energy	Hafizabad	December 22, 2008
66	Cress LPG (Pvt.) Limited	Jhang	December 20, 2011
67	Khan Brothers (Pvt.) Limited	Jhang	September 21, 2016
68	Aamir Muqadar (Pvt.) Limited	Jhang	June 22, 2017
69	Galaxy Energy Pakistan (Pvt.) Limited	Jhang	November 13, 2017
70	Omega Petroleum (Pvt.) Limited	Jhelum	July 13, 2017
71	Rohtas LPG (Pvt.) Limited	Jhelum	March 18, 2020
72	Iramin Gas Services (Pvt.) Limited	Jhelum	July 14, 2020
73	AB Gas Company	Kasur	February 1, 2005
74	Pioneer Gas (Pvt.) Limited	Kasur	December 24, 2008
75	OPI Gas	Kasur	June 20, 2011
76	Noor Gas	Kasur	July 11, 2014
77	Flame Gas (Pvt.) Limited	Kasur	July 4, 2017
78	Ravi Green Energy (Pvt.) Limited	Kasur	July 4, 2017
79	Kasur Gas Company	Kasur	July 31, 2017
80	Fabcon Energy (Pvt) Limited	Kasur	September 21, 2017
81	ALMAS GAS (Pvt.) Limited	Khanewal	June 22, 2017
82	Public Fuels (Pvt.) Limited	Khanewal	August 29, 2017
83	Balochistan Mineral & Oil (Pvt.) Ltd.	Khanewal	October 11, 2019
84	Kanz Energy (Pvt.) Limited	Khushab	May 31, 2019
85	Parco Pearl (formerly SHV Energy)	Lahore	January 17, 1983
86	Links International	Lahore	September 2, 2004
87	Synergy Resources (Pvt) Limited	Lahore	October 22, 2004
88	Cress LPG (Pvt.) Limited	Lahore	January 13, 2005
89	BBN Energy (Pvt.) Limited	Lahore	September 29, 2005
90	Home Gas (Pvt.) Limited	Lahore	April 10, 2008
91	Terra Energy (Pvt) Limited	Lahore	November 27, 2008
92	Pakistan State Oil (PSO)	Lahore	October 9, 2017
93	Ramzan LPG (Pvt.) Limited	Layyah	October 19, 2017
94	Shaheen Energy (Pvt.) Limited	Layyah	June 9, 2021
95	Al-Macca LPG Filling Co	Lodhran	July 7, 2008
96	BBN Energy	Lodhran	July 14, 2014
97	Jalal Enterprises	Lodhran	April 5, 2016
98	Shan Gasoline	Lodhran	August 22, 2017
99	Rukkan LPG (Pvt.) Limited	Mandi Baha Ud Din	July 29, 2009
100	Lodhi LPG (Pvt.) Limited	Mandi Baha Ud Din	May 21, 2018
101	Awan LPG (Pvt.) Limited	Mianwali	June 28, 2019
102	TEZ Gas (Pvt.) Limited	Multan	March 30, 2005
103	Multan LPG (Pvt) Limited	Multan	April 9, 2010
104	KK Gases	Multan	June 16, 2014
105	Flying LPG (Pvt.) Limited	Multan	August 23, 2017
106	C&K LPG (Pvt.) Limited	Multan	February 28, 2018
107	Commander Petrogas (Pvt.) Limited	Multan	April 27, 2018
108	JS Gas (Pvt.) Limited	Multan	October 9, 2018

109	Hazara Efficient Gas Company (HEGC)	Muzaffargarh	January 13, 2009
110	Lasani LPG (Pvt) Limited	Muzaffargarh	September 28, 2010
111	Foundation Gas	Muzaffargarh	June 16, 2011
112	Rock Gas	Muzaffargarh	July 4, 2014
113	HI SOOPER GAS (SMC – Private) Ltd.	Nankana Sahib	December 24, 2008
114	Sangla Petrogas (Pvt.) Limited	Nankana Sahib	January 7, 2016
115	Bashir Gas (Pvt.) Limited	Nankana Sahib	August 23, 2017
116	Narowal Gas (Pvt.) Limited	Narowal	April 14, 2020
117	Narowal Gas (Pvt.) Limited	Narowal	September 24, 2018
118	Narowal LPG (SMC–Pvt.) Limited	Narowal	August 1, 2019
119	Arsh Gas (Pvt.) Limited	Okara	August 11, 2010
120	Renala Petroleum Services (Pvt.) Ltd	Okara	February 28, 2018
121	Perfect Gas (Pvt.) Limited	Okara	April 14, 2020
122	SIS Gas (Pvt.) Limited	Pakpattan	June 21, 2019
123	Balochistan Mineral & Oil (Pvt.) Limited	Rajanpur	January 16, 2019
124	Alhmmad Ali International Trade Co. (Pvt.) Limited	Rajanpur	June 9, 2021
125	Petro LPG	Rahim Yar Khan	February 19, 2008
126	Etihad Energy (Pvt) Limited	Rahim Yar Khan	December 20, 2011
127	Synergy Resources (Pvt) Limited	Rahim Yar Khan	June 13, 2013
128	TEZ Gas (Pvt.) Limited	Rahim Yar Khan	March 16, 2015
129	Nawab Energy (Pvt.) Limited	Rahim Yar Khan	December 15, 2017
130	HNA Associates (Pvt.) Limited	Rahim Yar Khan	January 3, 2018
131	Jamisto Energy (Pvt.) Limited	Rahim Yar Khan	December 28, 2018
132	SF Gas (Pvt.) Limited	Rahim Yar Khan	August 2, 2019
133	Shale Gas (Pvt.) Limited	Rahim Yar Khan	October 1, 2019
134	Foundation Gas	Rawalpindi	December 16, 1972
135	Parco Pearl (formerly SHV Energy)	Rawalpindi	January 17, 1983
136	Cap Gas	Rawalpindi	May 17, 1989
137	Wak Limited	Rawalpindi	May 18, 1989
138	Sun Gas	Rawalpindi	June 6, 1989
139	Best Gas	Rawalpindi	October 4, 2005
140	Wyne Gas (Pvt.) Limited	Rawalpindi	November 25, 2005
141	Sangi Gas (Pvt.) Limited	Rawalpindi	August 8, 2008
142	Pakistan Oilfields Limited (POL)	Rawalpindi	June 3, 2011
143	Cres Resource	Rawalpindi	July 4, 2011
144	Bostan (Pvt.) Limited	Rawalpindi	December 18, 2017
145	Capital LPG (Pvt.) Limited	Rawalpindi	January 15, 2019
146	Ravi LPG (Pvt.) Limited	Rawalpindi	September 11, 2019
147	Ravi Gas (Pvt.) Limited	Sahiwal	January 7, 1998
148	Madni Gas	Sahiwal	October 26, 2005
149	Baba Fareed Gas (Pvt) Limited	Sahiwal	June 13, 2014
150	Havelet Gas (Pvt.) Limited	Sahiwal	August 25, 2016
151	Chilton Gas	Sahiwal	October 25, 2017
152	Al-Qasim Gas (Pvt.) Limited	Sargodha	April 4, 2008
153	Noor Ardgan Gas (Pvt.) Limited	Sargodha	August 25, 2016
154	RST Energy (Pvt.) Limited	Sargodha	April 27, 2018
155	Skyer LPG (Pvt.) Limited	Sialkot	August 18, 2016
156	Faiq Gas (Pvt.) Limited	Sialkot	December 23, 2016
157	Al-Bashir LPG Filling Station (SMC–Pvt.) Limited	Sialkot	June 22, 2017

158	Roshan Gas Pakistan (Pvt.) Limited	Sialkot	December 21, 2017
159	Sunshine LPG (Pvt.) Limited	Sialkot	January 13, 2021
160	Petrosin Gas	Sheikhupura	February 26, 2004
161	Noor LPG Company (Pvt.) Limited	Sheikhupura	January 19, 2005
162	Pyramid Gas	Sheikhupura	April 6, 2007
163	National Tanneries of Pakistan Ltd. (Lite Fuel)	Sheikhupura	March 7, 2008
164	Saudi Energies	Sheikhupura	November 27, 2008
165	Sehwan Gas (Pvt.) Limited	Sheikhupura	December 23, 2008
166	Yaseen LPG (Pvt.) Limited	Sheikhupura	October 29, 2010
167	Lube Gas (Pvt.) Limited	Sheikhupura	December 18, 2015
168	Taj LPG (Pvt.) Limited	Sheikhupura	November 2, 2016
169	Al-Khaleej Energy (Pvt.) Limited	Sheikhupura	June 13, 2017
170	Royal Gas Company	Sheikhupura	October 30, 2017
171	Yadgar LP Gas (Pvt.) Limited	Sheikhupura	August 7, 2018
172	Gulf Gas (Pvt.) Limited	Sheikhupura	October 9, 2018
173	SSGC LPG	Sheikhupura	February 8, 2019
174	Awami Gas (Pvt.) Limited	Vehari	February 28, 2008
175	Harmain LPG (Pvt.) Limited	Vehari	August 13, 2018
176	Zam Zam LPG (Pvt.) Limited	Vehari	October 22, 2018
177	Best Fuel LPG (Pvt.) Limited	Vehari	February 19, 2020
178	Cress LPG (Pvt.) Limited	Vehari	March 10, 2020
Sindh			
1	Hi-Tech Pipe & Engineering Industries (Pvt.) Limited	Jamshoro	June 4, 2018
2	Qureshi Gas Company (Pvt.) Limited	Hyderabad	June 2, 2006
3	Sindh Gas (Pvt.) Limited	Hyderabad	April 27, 2007
4	Ahmed Abbas & Brothers (Pvt.) Limited	Khairpur	March 10, 2020
5	Total Parco Marketing Limited (Formerly Chevron Pakistan Limited)	Karachi	August 12, 1981
6	Pakistan State Oil (PSO)	Karachi	April 11, 1981
7	Agha Gas Company	Karachi	October 26, 1994
8	Engro Vopak Terminal Limited (EVTL)	Karachi	June 9, 1998
9	Burshane LPG (Pakistan) Limited (formerly Shell Gas)	Karachi	September 18, 2001
10	SSGC LPG	Karachi	May 26, 2004
11	Power Gas	Karachi	July 1, 2004
12	Mecom Gas	Karachi	March 28, 2005
13	Marshal Gas (Pvt.) Limited	Karachi	August 10, 2007
14	MNA Energy (Pvt) Limited	Karachi	January 29, 2009
15	Parco Pearl (formerly SHV Energy)	Karachi	
16	Foundation Gas	Karachi	June 2, 2011
17	Pakistan Oilfields Limited (POL)	Karachi	June 3, 2011
18	Total Parco Marketing Limited (Formerly Chevron Pakistan Limited)	Karachi	July 22, 2011
19	Sundar Gas (Pvt.) Limited	Karachi	November 15, 2012
20	Ravi Gas (Pvt.) Limited	Karachi	August 8, 2019
21	Hoch Gas (Pvt.) Limited	Karachi	January 27, 2021
22	Lal Energy (Pvt.) Limited	Kashmore	November 28, 2019
23	Green LPG (Pvt.) Limited	Mirpur Khas	May 18, 2018

Baluchistan			
1	Gawadar Oil & Gas International	Gwadar	September 25, 2013
2	Kulanch Gas & Oil Company	Gwadar	January 7, 2016
3	Al-Qasim Gas (Pvt.) Limited	Gwadar	July 10, 2019
4	Makran Gas & Oil Co. (Pvt.) Limited	Kech	December 5, 2005
5	National Gases	Lasbella	August 6, 2008
6	Kirn Gas	Lasbella	February 26, 2009
7	Al-Azeem Petroleum (Pvt) Limited	Lasbella	November 8, 2010
8	Lasbella Gas (Pvt.) Limited	Lasbella	November 24, 2016
9	Jogezai Petroleum Company (Pvt.) Limited	Loralai	May 24, 2017
10	Apple Gas (Pvt.) Limited	Pashin	November 23, 2017
11	Shafi & Son's LPG Co. (Pvt.) Limited	Pishin	September 5, 2016
12	Chaman LPG (Pvt.) Limited (formerly Apple Gas (Pvt.) Limited)	Qilla Abdullah	May 23, 2019
13	Baluchistan Mineral & Oil (Pvt.) Limited	Quetta	November 8, 2004
14	Agha Gas Company	Quetta	July 26, 2011
15	Carawan Enterprises (Pvt.) Limited	Quetta	January 3, 2017
16	Al-Naseem Gas (Pvt.) Limited	Quetta	December 18, 2017
KP			
1	GB LPG	Abbottabad	November 28, 2016
2	Enerhome (SMC-Pvt.) Limited	Abbottabad	March 6, 2020
3	Pakistan State Oil (PSO)	Akora Khattak	October 30, 2017
4	Khan Gas (Pvt.) Limited	Charsadda	October 8, 2018
5	Balochistan Mineral & Oil (Pvt.) Limited	Dera Ismail Khan	April 23, 2018
6	A One LPG (Pvt.) Limited	Dera Ismail Khan	October 28, 2019
7	Shahzad LPG (SMC-Pvt.) Limited	Hangu	March 6, 2020
8	Sarhad Gas	Haripur	June 17, 2011
9	3 Star LPG (Pvt.) Limited	Karak	April 20, 2016
10	Kotal Gas (Pvt.) Limited	Kohat	June 27, 2007
11	Muslim Bagh Gas (Pvt.) Limited	Laki Marwat	January 8, 2020
12	MA Gas (Pvt.) Limited	Laki Marwat	July 13, 2020
13	Gas Man (Pvt.) Limited	Lower Dir	July 27, 2017
14	KFG (Pvt.) Limited	Mansehra	January 13, 2021
15	Star World Petroleum (Pvt.) Limited	Mardan	October 23, 2019
16	Tajwar Sultana Associates (Pvt.) Limited	Mardan	December 3, 2019
17	OK Gas (Pvt.) Limited	Nowshera	December 23, 2008
18	Chand LPG (Pvt.) Limited	Nowshera	December 29, 2017
19	Khyber Energy (Pvt.) Limited	Peshawar	October 13, 2005
20	Ali Brothers	Peshawar	January 29, 2009
21	Saif Gas (Pvt) Limited Peshawar	Peshawar	March 16, 2009
22	Gul Gas Company	Peshawar	July 31, 2009
23	Tatara Enterprises (Pvt.) Limited	Peshawar	September 22, 2015
24	Unity Exploration (Pvt.) Limited	Peshawar	June 22, 2017
25	Shalimar LPG (Pvt.) Limited	Peshawar	August 24, 2017
26	Khyber Gas	Peshawar	January 3, 2018
27	Latif LPG (Pvt.) Limited	Swabi	July 9, 2019
28	Muhammadi Gas (Pvt.) Limited	Swat	April 4, 1995
29	Rehman Petroleum & Gas Co. (Pvt.) Limited	Swat	December 8, 2015
AJK			
1	7 Star Petroleum (Pvt.) Limited	Bhimber	December 13, 2018

2	Good Engineering Works (Pvt.) Limited	Kotli	September 21, 2017
3	Yasin Akram Associates (Pvt.) Limited	Mirpur	November 27, 2008
4	Capital Tube (Pvt.) Limited	Muzaffarabad	November 12, 2018
5	Muzaffarabad LPG (Pvt.) Limited	Muzaffarabad	February 12, 2021
6	Petrotiger Engineering (Pvt.) Limited	Poonch	October 26, 2015
7	Kashmir Gas (Pvt.) Limited	Poonch	October 14, 2016
Gilgit Baltistan			
1	Aftab Traders	Gilgit	May 8, 1995
2	GITCO Gas	Gilgit Baltistan	October 27, 2010

List of LPG Auto–Refueling Stations as of June 30, 2021

Sr. No.	Name of LPG Auto Station	Date of Issuance of Licence
Punjab		
1	Noor LPG, Sialkot	August 10, 2010
2	Anwar Filling Station, Lahore	November 14, 2011
3	Long Way CNG, Balkasar	December 23, 2015
4	Pakistan State Oil Company Limited, (Baibruss Filling Station), Okara	October 14, 2016
5	Saif Gas (Pvt.) Limited, (Gul Sher LPG), Chakwal	August 23, 2017
6	Byco Petroleum Pakistan Limited (Abu Al–khair Filling Station), Nankanasab	September 26, 2017
7	Pakistan State Oil Company Limited (Super Star Filling Station), Gujranwala	September 26, 2017
8	Pakistan State Oil Company Limited (Lucky Star Filling Station), Khanewal	March 1, 2018
9	Shabbir LPG Auto Filling Station (Pvt.) Limited Khushab	February 21, 2019
10	Pakistan State Oil Company Limited (Maloana Truck Port), Jhang	November 18, 2019
11	Motorway CNG Station (SMC–Pvt) Limited, Rahim Yar Khan	December 18, 2019
12	Hascol Petroleum Limited (Bullay Shah Petroleum), Lahore	January 15, 2021
Sindh		
1	Hascol Petroleum Limited (Hascol One), Karachi	November 25, 2011
2	Pakistan State Oil Company Limited (Keeria Petroleum Service), Hyderabad	October 30, 2014
3	Hascol Petroleum Limited (Isra–II Petroleum), Khairpur	December 21, 2016
4	Hascol Petroleum Limited (Energy Petroleum Service), Karachi	December 23, 2016
5	Pakistan State Oil Company Limited (Farzam & Company), Karachi	October 25, 2017
6	Nathan Shah LPG Station, Dadu	November 1, 2017
7	Global Fuels (Pvt) Ltd, Karachi	November 29, 2017
8	Muhammad Suleman Filling Station (SMC–Pvt) Ltd, Sanghar	July 15, 2019
KP		
1	Khan LPG (Pvt.) Limited, Batkhela, Malakand	May 21, 2018
2	Bacha LPG Auto Refueling Station (Pvt.) Limited, Peshawar	October 12, 2018
AJK		
1	SSGC LPG (Pvt.) Limited, Muzaffarabad	April 18, 2011

List of LPG Air-Mix Plants as of June 30, 2021

Sr. No.	Name of the Company	Date of issuance of Marketing Licence
1	Sui Southern Gas Company Limited (SSGCL)	May 25, 2012
2	Sui Southern Gas Company Limited (SSGCL)	August 21, 2013
3	Sui Southern Gas Company Limited (SSGCL)	August 21, 2013
4	Sui Southern Gas Company Limited (SSGCL)	October 29, 2015
5	Sui Southern Gas Company Limited (SSGCL)	February 25, 2019

List of LPG Road Browsers as of June 30, 2021

Sr. No.	Name of the Company	Date of issuance of Marketing Licence
1	Havelet Gas (Pvt.) Limited	May 6, 2021
2	Ravi Green Energy (Pvt.) Limited	June 10, 2021
3	Iramin Gas Services (Pvt.) Limited	June 10, 2021
4	Pakistan State Oil (PSO)	June 10, 2021
5	SAM Gas (Pvt.) Limited	June 30, 2021

List of LPG Equipment Manufacturer as of June 30, 2021

Sr. No.	Name of LPG Equipment Manufacturer
A.	LPG Storage Tanks / LPG Bullets / LPG Browsers:
1	M/s FAS Tube Mills & Engineering Industries
2	M/s Hi-Tek Manufacturing (Pvt.) Limited
3	M/s Fauz Engineering Limited
4	M/s Ravi Green Engineering (Pvt.) Limited
5	M/s Descon Engineering Limited
6	M/s Hameed & Sons Engineering Co.
7	M/s Karachi Shipyard & Engineering Works
8	M/s Fabcon Design & Engineering
9	M/s Ashraf Fabrication & Engineering Industries (Pvt.) Limited
10	M/s Ikan Engineering
11	M/s Prime Engineering
12	M/s WAK Limited
13	M/s Metal Engineering Complex
14	M/s Al-Tariq Constructors (Pvt.) Limited
15	M/s A. J. Corporation
16	M/s Engineering Kinetics (Pvt.) Limited
17	M/s Heavy Mechanical Complex
18	M/s Izhar Steel (Pvt.) Limited
19	M/s Ravi-Tech Manufacturing (Pvt.) Limited
20	M/s AEPL Engineering Works (Pvt.) Limited
21	M/s Elite Metal Tek (Pvt.) Limited
22	BST Services (Business Supply & Technology Services)
23	Stahlco Engineering (Pvt.) Limited
24	International Fabrication Company
25	M/s Descon Engineering Limited – Karachi Facility
26	M/s AMS Power & Industrial Engineering (Pvt.) Limited
27	M/s Metal Engineering Works (Pvt.) Limited
B.	LPG Cylinder Manufacturers:
1	M/s FAS Tube Mills & Engineering Industries
2	M/s Hi-Tek Manufacturing (Pvt.) Limited

3	M/s Cylinders Engineering Industries (Pvt.) Limited
4	M/s Al-Hadeed Engineers (Pvt.) Limited
5	M/s International Engineering Company (3-Star).
6	M/s Wak Limited
7	M/s Saab Engineering
8	M/s Cylpak Engineering & Services (Pvt.) Limited
9	M/s Capital Engineering
10	M/s Elite Metal Tek (Pvt.) Limited
11	M/s Al-Hafiz Engineering Company
12	M/s Red Spot Industries
13	M/s Ammad Brothers Industry
14	M/s A-1 Star Enterprises
15	M/s Adeel Industry
16	Al-Nafees Gas Appliances
17	NAB Engineers
18	Adnan Ahmed Company
19	Mehran Metal Containers (Pvt.) Limited
20	Hassan Engineering
21	Sitara Gas Appliances
22	Magic Star Gas Appliances
23	North Appliances Services Private Limited (NAS GAS)
24	BHN Engineering Private Limited
25	M/s 3Star Engineering Works
26	M/s Burhan Gas Company
	LPG Composite Cylinders (24 -L Water Capacity)
C.	LPG Cylinder Valves Manufacturers:
1	M/s Alco (Latif & Brother)
2	M/s Major Enterprises
3	M/s Al-Ghazi Auto Engineering Company (ALFA)

Appendix-VII

Operational CNG Stations

Punjab

Sr. No.	District / Area	Number of Stations
1	Attock	82
2	Bahawalpur	31
3	Bahawalnagar	3
4	Bhakhar	1
5	Chakwal	38
6	DG Khan	17
7	Faisal Abad	103
8	Gujranwala	109
9	Gujrat	61
10	Hafizabad	25
11	Jhang	29
12	Jhelum	19
13	Kasur	47
14	Khanewal	21
15	Khushab	5
16	Lahore	203
17	Layyah	3
18	Lodhran	14
19	Mandi Bahauddin	21
20	Mianwali	7
21	Multan	77
22	Muzaffar Garh	17
23	Nankana Sahab	10
24	Narowal	1
25	Okara	32
26	Pakpattan	10
27	Rahim yar Khan	45
28	Rawalpindi	246
29	Sadiqabad	1
30	Sahiwal	31
31	Sargodha	55
32	Sheikhupura	86
33	Sialkot	71
34	Toba Tek Singh	24
35	Vehari	28
Total Punjab		1,573

Khyber Pakhtunkhwa

Sr. No.	District / Area	Number of Stations
1	Abbottabad	39
2	Bannu	1
3	Charsadda	35
4	Hangu	4

5	Haripur	48
6	Karak	5
7	Kohat	24
8	Malakand	18
9	Mansehra	45
10	Mardan	57
11	Nowshera	63
12	Peshawar	198
13	Swabi	24
14	Swat	20
Total KP		581

Sindh

Sr. No.	District / Area	Number of Stations
1	Badin	9
2	Dadu	7
3	Ghotki	13
4	Hayderabad	53
5	Jacobabad	3
6	Jamshoro	22
7	Kamber Shadadkot	2
8	Karachi	306
9	Kashmore	4
10	Khairpur	28
11	Larkana	9
12	Matiari	17
13	Mirpur Khas	13
14	Naushero Feroze	15
15	Nawab Shah	24
16	Sanghar	11
17	Shekarpur	5
18	Sukkar	23
19	Tando Allah Yar	6
20	Tando M. Khan	3
21	Thatta	19
Total Sindh		592

Baluchistan

Sr. No.	District / Area	Number of Stations
1	Dera Bugti	1
2	Jaffarabad	4
3	Lasbela	3
4	Naseerabad	1
5	Quetta	14
6	Pishin	2
7	Sibi	2
Total Baluchistan		27

Azad Jammu & Kashmir (AJK)

Sr. No.	District / Area	Number of Stations
1	Mirpur AJK	4

Islamabad Capital Territory

Sr. No.	District / Area	Number of Stations
1	Islamabad	100
Total Pakistan		2,877

List of Approved CNG Vehicle Cylinders for Pakistan

Sr. No.	CNG Cylinder Brand/Make	Specification of CNG vehicle cylinders tested by Powertech Labs, Canada
1	Fabre, Italy	228mm diameter, 17 to 60 Liter 267mm diameter, 21 to 80 Liter 313.6mm diameter, 50 to 85 Liter
2	EKC Dubai, UAE	267mm diameter, 30 to 100 Liter 316mm diameter, 40 to 140 Liter 356mm diameter, 55 to 152 Liter
3	Fabre, Thailand	228mm \pm 1% diameter, 30&20 Liter (from billet) 228mm \pm 1% diameter, 30&20 Liter (from Plate) 267mm \pm 1% diameter, 40 Liter (from Plate) 267mm \pm 1% diameter, 40 Liter (from billet) 313mm \pm 1.6 diameter, 60& 55 Liter (from Plate)

List of Approved CNG Kits for Pakistan

Sr. No.	Approved CNG Conversion Kits
1	Landi Renzo, Italy
2	Lovato, Italy
3	LR Pak (Pvt) Ltd. Pakistan

List of Approved CNG Storage Cylinders for Pakistan

Sr. No.	Name of Manufacturer	Manufacturing Standard
1	M/S EKC Industries, Dubai	EN 1964-1-1999
2	M/S Fabre, Italy	BS EN 1964-1:2000 ISO 9809-1:1999

List of Approved Dispenser for Pakistan

Sr. No.	Name of Manufacturer Dispenser Brand
1	Advance Electronics, Karachi



ABBREVIATIONS AND ACRONYMS



Abbreviations and Acronyms

AJK	Azad Jammu and Kashmir
ARL	Attock Refinery Limited
BBL	Barrel
BBTU	Billion British Thermal Unit
BP	British Petroleum
CCI	Council of Common Interest
CMA	Corporate & Media Affairs
CMS	Consumer Meter Station
CNG	Compressed Natural Gas
CPGCL	Central Power Generation Company Limited
CPI	Consumer Price Index
CPS	Cathodic Protection System
CRPR	Complaint Resolution Procedure Regulations
CTS	Custody Transfer Station
DAC	Departmental Accounts Committee
DCO	District Coordination Officer
DDC	Direct Departmental Cost
DERR	Determination of Estimated Revenue Requirement
DGPL	Daewoo Gas Private Limited
DHDS	Diesel Hydro De-Sulphurization
DIRS	Docketing and Information Repository system
DO	Designated Officer
DOT	Department of Transportation
E-10	Ethanol Blended Gasoline
ECC	Economic Coordination Committee
ECPL	Engro Chemicals Pakistan Limited
EETL	Engro Elengy Terminal Limited
EPCM	Engineering, Procurement and Construction Management
ERR	Estimated Revenue Requirement
ETPL	Elengy Terminal Pakistan Limited
EVCE	Electronic Volume Corrector
EWT	Extended Well Test
FAQ	Frequently Asked Questions
FBR	Federal Board of Revenue
FFCL	Fauji Fertilizer Company Limited
FG	Federal Government
Fig	Figure
FOTCO	Fauji Oil Terminal and Distribution Company Limited
FRR	Final Revenue Requirement
FY	Fiscal Year/Financial Year
GCV	Gross Calorific Value
GDCL	Gaseous Distribution Company Limited
GEIP/GEIL	Global Energy Infrastructure Pakistan Limited
GIC	Gas Internally Consumed
GoP	Government of Pakistan
GSA	Gas Sale Agreement
GSPA	Gas Sale Purchase Agreement
GTPS	Gas Turbine Power Station
HDIP	Hydrocarbon Development Institute of Pakistan
HEC	Higher Education Commission

HOBC	High Octane Blending Component
HR	Human Resource
HSD	High Speed Diesel
HSFO	High Sulphur Fuel Oil
ICAP	Institute of Chartered Accountant of Pakistan
ICMAP	Institute of Cost and Management Accountants of Pakistan
IFEM	Inland Freight Equalization Margin
IP	Iran–Pakistan
IPI	Iran–Pakistan–India
IPP	Independent Power Producers / Import Parity Price
ISGSL	Inter State Gas Systems Limited
ISO	International Standards Organization
IT	Information Technology
JP	Jet Propellant (Aviation Fuel)
KERO	Kerosene Oil
KESC	Karachi Electric Supply Company
Km	Kilometer
KMI	Key Monitoring Indicators
KP	Khyber Pakhtunkhwa
KPT	Karachi Port Trust
LAN	Local Area Network
LDO	Light Diesel Oil
LMC	Lubricant Marketing Company
LNG	Liquefied Natural Gas
LPG	Liquefied Petroleum Gas
LUMS	Lahore University of Management Sciences
MFP	Mobile Filling Platform
MMBTU	Million British Thermal Unit
MMcfd	Million Cubic Feet per Day
MOE	Ministry of Energy
MP&NR	Ministry of Petroleum & Natural Resources
MS	Motor Spirit
MT	Metric Ton
MVA	Main Valve Assembly
NAB	National Accountability Bureau
NARUC	National Association of Regulatory Utility Commission
NESPAK	National Engineering Services Pakistan
NFPA	National Fire Protection Association
NGLR	Natural Gas Licensing Rules
NGRA	Natural Gas Regulatory Authority
NGT	Natural Gas Tariff
NITB	National Information Technology Board
NRL	National Refinery Limited
NSGP	North South Gas Pipeline Project
OCAC	Oil Companies Advisory Council
OGDCL	Oil and Gas Development Company Limited
OGRA	Oil and Gas Regulatory Authority
OMC	Oil Marketing Company
OMEL	OMV Maurice Energy Limited
OPAK	OMV Pakistan Exploration GmbH
P&C	Planning and Coordination
PAC	Public Accounts Committee
PAPCO	Pak – Arab Pipeline Company Limited

Abbreviations and Acronyms

PARCO	Pak–Arab Refinery Company
PCP	Pakistan Citizen Portal
PD	Petroleum Division
PDC	Price Differential Claim
PFL	Pakarab Fertilizer Limited
PGP	Pakistan Port Gas
PGPCL	PGP Consortium Limited
PGPL	Pakistan Gas Port Limited
PIM	Pakistan Institute of Management
PL	Petroleum Levy
PLL	Pakistan LNG Limited
PLTL	Pakistan LNG Terminals Limited
PM	Prime Minister
PMDU	Prime Minister Delivery Unit
PMI	Project Management Institute
POL	Petroleum Oil Lubricant
PPL	Pakistan Petroleum Limited
PPPL	Punjab Power Plant Limited
PPRA	Public Procurement Regulatory Authority
PQA	Port Qasim Authority
PSO	Pakistan State Oil
QPL	Quetta Pipeline Limited
RERR	Review of Estimated Revenue Requirement
RLNG	Re–gasified Liquid Natural Gas
RON	Research Octane Number
RR	Revenue Requirement
Rs.	Rupees
RSS	Really Simple Syndication
SECP	Securities & Exchange Commission of Pakistan
SED	Senior Executive Director
SHC	Sindh High Court
SITE	Sindh Industrial Trading Estate
SKO	Superior Kerosene Oil
SMS	Sales Meter Station
SNGPL	Sui Northern Gas Pipelines Limited
SOP	Standard Operating Procedure
SPM	Suspended Particulate Matter
SSGCL	Sui Southern Gas Company Limited
STI	Secretariat Training Institute
T&D	Transmission & Distribution
TAPI	Turkmenistan–Afghanistan–Pakistan–India
TBS	Town Border Station
TEPL	Tabeer Energy (Private) Limited
TOR	Terms of Reference
TPA	Third Party Access
TPI	Third Party Inspector
TPS	Thermal Power Station
TRS	Town Regulating Station
UAN	Universal Access Number
UEPL	United Energy Pakistan Limited
UET	University of Engineering and Technology
UFG	Unaccounted for Gas
UGDCL	Universal Gas Distribution Company Private Limited

UK	United Kingdom
US\$	US Dollar
USA	United States of America
USAID	United States Agency for International Development
VPS	Virtual Private Server
WACOG	Weighted Average Cost of Gas
WAPDA	Water and Power Development Authority
WOP	White Oil Pipeline

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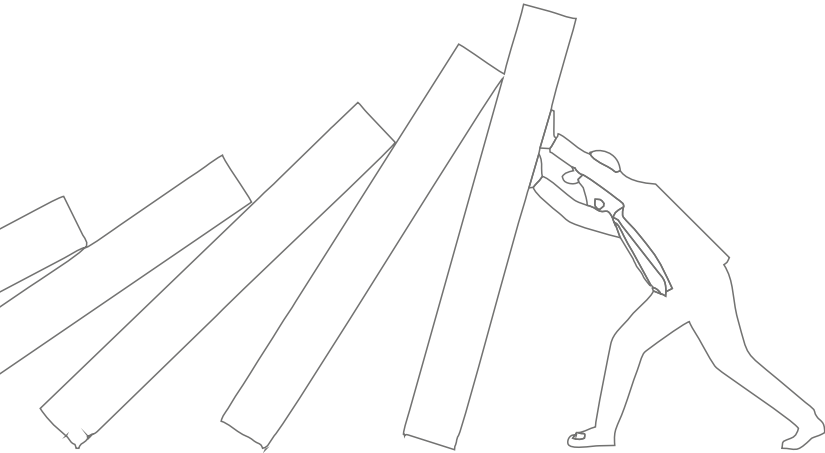
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