JURA ENERGY CORPORATION

Consolidated Financial Statements
For the Years Ended
December 31, 2021 and 2020
(expressed in US dollars)

JURA ENERGY CORPORATION

MANAGEMENTS' REPORT

The Consolidated Financial Statements of Jura Energy Corporation and related financial information were prepared by, and are the responsibility of Management. The Consolidated Financial Statements have been prepared in accordance with International Financial Reporting Standards issued by International Accounting Standard Board. The Consolidated Financial Statements and related financial information include amounts which are based on estimates and judgments of Management with appropriate consideration to materiality. The Company has developed and maintains systems of controls, policies and procedures in order to provide reasonable assurance that assets are properly safeguarded, and that the financial records and systems are appropriately designed and maintained, and provide relevant, timely and reliable financial information to Management.

PKF Antares Professional Corporation are the external auditors appointed by the Board of Directors, and they have conducted an independent examination of the corporate and accounting records in order to express an Auditors' Opinion on these Consolidated Financial Statements.

The Board of Directors has established an Audit Committee. The Audit Committee reviews with Management and the external auditors any significant financial reporting issues, the Consolidated Financial Statements, and any other matters of relevance to the parties. The Audit Committee meets quarterly to review and approve the interim financial statements prior to their release, as well as annually to review the Company's annual Consolidated Financial Statements, Management's Discussion and Analysis, and the Annual Information Form, and to recommend their approval to the Board of Directors. The external auditors have unrestricted access to the Company, the Audit Committee and the Board of Directors.

"Signed"
Muhammad Nadeem Farooq
Chief Executive Officer

"Signed"
Muhammad Arif Siddiq
Chief Financial Officer

May 02, 2021

Independent Auditor's Report

To the Shareholders of Jura Energy Corporation:

Opinion

We have audited the consolidated financial statements of Jura Energy Corporation (the "Corporation"), which comprise the consolidated statements of financial position as at December 31, 2021, and the consolidated statements of comprehensive income/(loss), the consolidated statements of changes in equity and the consolidated statements of cash flows for the year then ended, and notes to the consolidated financial statements, including a summary of significant accounting policies.

In our opinion, the accompanying consolidated financial statements present fairly, in all material respects, the financial position of the Corporation as at December 31, 2021, and its financial performance and its cash flows for the year then ended in accordance with International Financial Reporting Standards ("IFRS").

Basis for Opinion

We conducted our audit in accordance with Canadian generally accepted auditing standards. Our responsibilities under those standards are further described in the *Auditor's Responsibilities for the Audit of the consolidated financial statements* section of our report. We are independent of the Corporation in accordance with the ethical requirements that are relevant to our audits of the consolidated financial statements in Canada, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Material Uncertainty Related to Going Concern

We draw attention to Note 2(ii) in the consolidated financial statements which indicates that the Corporation incurred a loss of $6,809,544 and net cash generated from operating activities of $17,580,418 during the year ended December 31, 2021. The Corporation also had a working capital deficiency of $6,138,401 and financial commitments of $6,710,772 at December 31, 2021. As stated in note 2(ii), these events or conditions indicate that a material uncertainty exists that may cast doubt on the Corporation's ability to continue as a going concern. Our opinion is not modified in respect of this matter.

Other Matter

The consolidated financial statements for the year ended December 31, 2020 were audited by another auditor who expressed an unqualified opinion on those consolidated financial statements dated April 29, 2021.

Other Information

Management is responsible for the other information. The other information comprises Management's Discussion and Analysis.

Our opinion on the consolidated financial statements does not cover the other information and we do not express any form of assurance conclusion thereon.

In connection with our audits of the consolidated financial statements, our responsibility is to read the other information and, in doing so, consider whether the other information is materially inconsistent with the consolidated financial statements or our knowledge obtained in the audits or otherwise appears to be materially misstated. If, based on the work we have performed on this other information, we conclude that there is a material misstatement of this other information, we are required to report that fact. We have nothing to report in this regard.

Responsibilities of Management and Those Charged with Governance for the consolidated financial statements

Management is responsible for the preparation and fair presentation of the consolidated financial statements in accordance with International Financial Reporting Standards, and for such internal control as management determines is necessary to enable the preparation of consolidated financial statements that are free from material misstatement, whether due to fraud or error.

In preparing the consolidated financial statements, management is responsible for assessing the Corporation's ability to continue as a going concern, disclosing, as applicable, matters related to going concern and using the going concern basis of accounting unless management either intends to liquidate the Corporation or to cease operations, or has no realistic alternative but to do so.

Those charged with governance are responsible for overseeing the Corporation's financial reporting process.

Auditor's Responsibilities for the Audit of the consolidated financial statements

Our objectives are to obtain reasonable assurance about whether the consolidated financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion. Reasonable assurance is a high level of assurance but is not a guarantee that an audit conducted in accordance with Canadian generally accepted auditing standards will always detect a material misstatement when it exists. Misstatements can arise from fraud or error and are considered material if, individually or in the aggregate, they could reasonably be expected to influence the economic decisions of users taken on the basis of these consolidated financial statements.

As part of an audit in accordance with Canadian generally accepted auditing standards, we exercise professional judgment and maintain professional skepticism throughout the audit. We also:

- Identify and assess the risks of material misstatement of the consolidated financial statements, whether due to fraud or error, design and perform audit procedures responsive to those risks, and obtain audit evidence that is sufficient and appropriate to provide a basis for our opinion. The risk of not detecting a material misstatement resulting from fraud is higher than for one resulting from error, as fraud may involve collusion, forgery, intentional omissions, misrepresentations, or the override of internal control.
- Obtain an understanding of internal control relevant to the audit in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the Corporation's internal control.
- Evaluate the appropriateness of accounting policies used and the reasonableness of accounting estimates and related disclosures made by management.
- Conclude on the appropriateness of management's use of the going concern basis of accounting and, based on the audit evidence obtained, whether a material uncertainty exists related to events or conditions that may cast significant doubt on the Corporation's ability to continue as a going concern. If we conclude that a material uncertainty exists, we are required to draw attention in our auditor's report to the related disclosures in the consolidated financial statements or, if such disclosures are inadequate, to modify our opinion. Our conclusions are based on the audit evidence obtained up to the date of our auditor's report. However, future events or conditions may cause the Corporation to cease to continue as a going concern.
- Evaluate the overall presentation, structure and content of the consolidated financial statements, including the disclosures, and whether the consolidated financial statements represent the underlying transactions and events in a manner that achieves fair presentation.
- Obtain sufficient appropriate audit evidence regarding the financial information of the entities or business activities within the Corporation to express an opinion on the consolidated financial statements. We are responsible for the direction, supervision and performance of the audit. We remain solely responsible for our audit opinion.

We communicate with those charged with governance regarding, among other matters, the planned scope and timing of the audits and significant audit findings, including any significant deficiencies in internal control that we identify during our audits.

We also provide those charged with governance with a statement that we have complied with relevant ethical requirements regarding independence, and to communicate with them all relationships and other matters that may reasonably be thought to bear on our independence, and where applicable, related safeguards.

The engagement partner on the audit resulting in this independent auditor's report is Erkin Atakhanov.

Antares Professional Corporation
Chartered Professional Accountants

Calgary, Alberta
May 02, 2022

Chartered Professional Accountants
Licensed Public Accountants

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Jura Energy Corporation

Consolidated Statements of Financial Position

As at December 31, 2021 and 2020

(expressed in US dollars)

	December 31, 2021 $	December 31, 2020 $
Assets		
Current assets		
Cash and cash equivalents	4,552,705	2,629,558
Restricted cash (note 4)	2,517,924	512,325
Accounts and other receivables (note 5)	8,874,418	12,162,705
	15,945,047	**15,304,588**
Non-current assets		
Property, plant and equipment (note 6)	23,639,508	45,000,962
Exploration and evaluation assets (note 7)	3,798,200	3,317,483
Long-term receivables (note 8)	62,821	284,048
Total assets	**43,445,576**	**63,907,081**
Liabilities and Shareholders' equity		
Current liabilities		
Accounts payable and accrued liabilities (note 9)	16,651,801	14,487,980
Borrowings (note 10)	2,996,081	2,195,077
Amounts due to related parties (note 11)	2,435,566	3,968,181
	22,083,448	**20,651,238**
Non-current liabilities		
Borrowings (note 10)	6,117,040	10,121,739
Amounts due to related parties (note 11)	143,184	7,489,109
Deferred tax liability – net (note 20)	106,755	3,388,616
Asset retirement obligation (note 13)	3,817,952	4,358,575
Total liabilities	**32,268,379**	**46,009,277**
Shareholders' equity		
Share capital (note 14)	65,203,045	65,203,045
Contributed surplus (note 14)	501,201	412,264
Warrants	140,265	140,265
Accumulated deficit	(54,667,314)	(47,857,770)
Total shareholders' equity	**11,177,197**	**17,897,804**
Total equity and liabilities	**43,445,576**	**63,907,081**

Going concern (note 2)
Contingencies and commitments (note 15)

APPROVED ON BEHALF OF THE BOARD OF DIRECTORS

"Signed"
Muhammad Nadeem Farooq
CEO and Director

"Signed"
Stephen C. Smith
Director

The accompanying notes are an integral part of these consolidated financial statements.

Jura Energy Corporation

Consolidated Statements of Comprehensive Income/(Loss)

For the years ended December 31, 2021 and 2020

(expressed in US dollars)

	December 31, 2021 $	**December 31, 2020 $**
Net revenue (note 16)	20,953,932	18,741,498
Cost of production (note 17)	(13,035,294)	(7,559,055)
Gross profit	**7,918,638**	**11,182,443**
Expenses		
General and administrative expenses (note 18)	(3,628,113)	(2,759,764)
Impairment of oil and gas properties (note 6)	(14,395,709)	(750,000)
Exploration and evaluation costs written off (note 7)	(6,848)	(6,866)
Other income	120,000	19,293
Operating profit/(loss)	**(9,992,032)**	**7,685,106**
Exchange gain – net	1,918,610	344,460
Finance costs (note 19)	(2,017,983)	(3,259,503)
Profit/(loss) before income tax	**(10,091,405)**	**4,770,063**
Income tax (charge)/reversal (note 20)	3,281,861	(916,744)
Total comprehensive income/(loss) for the year	**(6,809,544)**	**3,853,319**
Earnings/(loss) per share (note 21)		
Basic	**(0.10)**	**0.06**
Diluted	**(0.10)**	**0.05**

Going concern (note 2)

The accompanying notes are an integral part of these consolidated financial statements.

Jura Energy Corporation

Consolidated Statements of Cash Flows

For the years ended December 31, 2021 and 2020

(expressed in US dollars)

	December 31, 2021 $	December 31, 2020 $
Cash provided by/(used in)		
Operating activities		
Profit/(loss) before tax for the year	(10,091,405)	4,770,063
Adjustments for:		
Impairment of oil and gas properties (note 6)	14,395,709	750,000
Depletion of oil and gas properties (note 17)	9,045,172	4,655,188
Depreciation of other operating assets (note 18)	12,226	26,687
Accrued finance costs on:		
- Amounts due to related parties (note 19)	704,595	1,416,064
- Borrowings (note 19)	1,313,388	1,709,582
- Accretion on asset retirement obligation (note 19)	-	75,368
Stock-based compensation (note 14)	88,937	22,157
Exploration and evaluation costs written off (note 7)	6,848	6,866
Other income	(120,000)	(19,293)
Net unrealized exchange gain on borrowings and amounts due to related parties	(1,306,786)	(221,156)
	14,048,684	**13,191,526**
Changes in working capital		
Decrease/(increase) in accounts and other receivables	3,253,512	(5,929,253)
Increase in accounts payable and accrued liabilities	2,283,821	564,251
(Increase)/decrease in restricted cash	(2,005,599)	439,989
Net cash generated from operating activities	**17,580,418**	**8,266,513**
Investing activities		
Payment for property, plant and equipment	(2,632,276)	(4,035,426)
Proceeds from disposal of property, plant and equipment	-	48,250
Payment for exploration and evaluation assets	(487,565)	(808,019)
Changes in long-term receivables	221,227	(44,137)
Net cash used in investing activities	**(2,898,614)**	**(4,839,332)**
Financing activities		
Amounts due to related parties – proceeds	34,775	3,815,722
Amounts due to related parties – repayments	(8,539,651)	(3,849,906)
Borrowings – proceeds	-	12,245,980
Borrowings – repayments	(2,344,210)	(7,242,147)
Finance costs paid	(1,909,571)	(6,348,958)
Net cash used in financing activities	**(12,758,657)**	**(1,379,309)**
Net increase in cash and cash equivalents	**1,923,147**	**2,047,872**
Cash and cash equivalents at beginning of the year	2,629,558	581,686
Cash and cash equivalents at end of the year	**4,552,705**	**2,629,558**

The accompanying notes are an integral part of these consolidated financial statements.

Jura Energy Corporation

Consolidated Statements of Changes in Equity

For the years ended December 31, 2021 and 2020

(expressed in US dollars)

	Number of shares	Share Capital $	Contributed Surplus $	Warrants $	Accumulated Deficit $	Total $
Balance at January 1, 2020	**69,076,328**	**65,203,045**	**390,107**	**140,265**	**(51,711,089)**	**14,022,328**
Net profit for the year	-	-	-	-	3,853,319	3,853,319
Stock-based compensation (note 14)	-	-	22,157	-	-	22,157
Balance at December 31, 2020	**69,076,328**	**65,203,045**	**412,264**	**140,265**	**(47,857,770)**	**17,897,804**
Balance at January 1, 2021	**69,076,328**	**65,203,045**	**412,264**	**140,265**	**(47,857,770)**	**17,897,804**
Net loss for the year	-	-	-	-	(6,809,544)	(6,809,544)
Stock-based compensation (note 14)	-	-	88,937	-	-	88,937
Balance at December 31, 2021	**69,076,328**	**65,203,045**	**501,201**	**140,265**	**(54,667,314)**	**11,177,197**

The accompanying notes are an integral part of these consolidated financial statements.

(expressed in US dollars)

1 Group and its operations

Jura Energy Corporation ("JEC" or the "Holding Company") is listed on the TSX Venture Exchange ("TSX-V") and trades under the symbol "JEC". The registered office of Jura Energy Corporation is located at Suite 2100, 144 – 4th Avenue SW, Calgary, T2P 3N4, Alberta, Canada. These consolidated financial statements include financial statements of Jura Energy Corporation ("JEC"), and its wholly-owned subsidiaries Spud Energy Pty Limited ("SEPL"), PetExPro Ltd. ("PEPL"), Frontier Oil and Gas Holdings Limited ("FOGHL") and Frontier Holdings Limited ("FHL") hereinafter referred to as (the "Group").

These consolidated financial statements were approved and authorized for issue by the Holding Company's board of directors on April 29, 2022.

The principal activities of the Group are exploration, extraction and production of oil and natural gas. Presently the Group has working interests in the following operated and non-operated exploration licenses/leases in Pakistan:

Exploration licenses/leases	Owner	Working Interest (%) 2021	Working Interest (%) 2020	Operator
Operated				
Sara lease	SEPL	60.00%	60.00%	Spud Energy Pty Limited
Suri lease	SEPL	60.00%	60.00%	Spud Energy Pty Limited
Non-operated				
Zarghun South lease	SEPL	40.00%	40.00%	Mari Petroleum Company Limited
Reti lease	SEPL	10.66%	10.66%	Oil and Gas Development Company Limited
Maru lease	SEPL	10.66%	10.66%	Oil and Gas Development Company Limited
Maru South lease	SEPL	10.66%	10.66%	Oil and Gas Development Company Limited
Guddu exploration license	SEPL	13.50%	13.50%	Oil and Gas Development Company Limited
Zamzama North exploration license	SEPL	24.00%	24.00%	Heritage Oil and Gas Limited
Nareli exploration license	SEPL	27.55%	-	Mari Petroleum Company Limited
Ayesha lease	FHL	27.50%	27.50%	Petroleum Exploration (Private) Limited
Aminah lease	FHL	27.50%	27.50%	Petroleum Exploration (Private) Limited
Ayesha North lease	FHL	27.50%	27.50%	Petroleum Exploration (Private) Limited
Zainab lease	FHL	27.50%	27.50%	Petroleum Exploration (Private) Limited
Badin IV South exploration license	FHL	27.50%	27.50%	Petroleum Exploration (Private) Limited
Badin IV North exploration license	FHL	27.50%	27.50%	Petroleum Exploration (Private) Limited
Kandra exploration rights	FHL	35.00%	35.00%	Petroleum Exploration (Private) Limited

In addition to the above, SEPL and FHL also have 7.89% and 37.5% working interests in Badar and Kandra respectively, which will be transferred to Petroleum Exploration (Private) Limited ("PEL") pursuant to the terms of Settlement Agreement entered into between SEPL, FHL and PEL dated August 12, 2016. The applications for the assignment of these working interests have been submitted to Government of Pakistan, the approval of which is expected in due course

On December 28, 2011, SEPL entered into a share purchase agreement with Jahangir Siddiqui & Sons Limited ("JSSL"), the parent company of Energy Exploration Limited ("EEL"), for the purchase of all the issued, subscribed, and paid-up share capital of EEL against a consideration of $1,000. The closing of the acquisition is subject to satisfaction of the following conditions:

i) Receipt of Deeds of Assignment duly executed on behalf of the President of Pakistan evidencing the assignment of 12% working interests by Sprint Energy Limited to EEL under the Zamzama North exploration license;
ii) The grant of approval by the State Bank of Pakistan for investment by SEPL in EEL; and
iii) The issuance of the share transfer deed.

These conditions have not been fulfilled as of the date of approval of these consolidated financial statements. Upon closing, EEL will become a wholly owned subsidiary of SEPL.

2 Basis of preparation

i) Statement of Compliance

The consolidated financial statements of the Group have been prepared in accordance with International Financial Reporting Standards ("IFRS") and interpretations issued by the IFRS Interpretations Committee applicable to companies reporting under IFRS. The consolidated financial statements comply with IFRS as issued by the International Accounting Standards Board ("IASB").

The consolidated financial statements have been prepared under the historical cost convention, as modified by revaluation of financial assets and financial liabilities (including derivative instruments) measured at fair value.

The preparation of financial statements in conformity with IFRS requires the use of certain critical accounting estimates. It also requires management to exercise its judgement in the process of applying the Group's accounting policies. The areas involving a higher degree of judgement or complexity, or areas where assumptions and estimates are significant to the consolidated financial statements are disclosed in note 3 (v).

ii) Going Concern

Management has prepared these consolidated financial statements in accordance with the International Financial Reporting Standards ("IFRS") applicable to a going concern, which contemplates that assets will be realized, and liabilities will be discharged in the normal course of business as they become due. The Group had a working capital deficiency of $6.14 million at December 31, 2021 (2020: $5.35 million). During the year, the Group reported a net loss of $6.81 million (2020: net profit of $3.85 million) and net cash generated from operating activities of $17.58 million (2020: $8.27 million). As at December 31, 2021, the Group had an accumulated deficit of $54.67 million (2020: $47.86 million). In addition to its ongoing working capital requirements, the Group also had financial commitments as at December 31, 2021 that amounted to $6.71 million (2020: $3.53 million). Furthermore, there could be uncertainties related to consistent decline in daily production from Zarghun South, economic dependence on joint venture partners and the current economic and political conditions in Pakistan.

These events and conditions create material uncertainties that may cast significant doubt as to the Group's ability to continue as a going concern, and, accordingly, the appropriateness of the use of accounting principles applicable to a going concern. The Group's ability to continue its operations and to realize assets at the carrying values is dependent upon obtaining additional debt or equity financing, maintaining continued support from its majority shareholder, generating positive cash flows and compliance with its capital expenditure commitments.

These consolidated financial statements of the Group do not reflect the adjustments to the carrying values of assets and liabilities and the reported revenues and expenses and balance sheet classifications that would be necessary if the Group was unable to realize its assets and settle its liabilities as a going concern in the normal course of operations.

3 Summary of significant accounting policies

The principal accounting policies applied in the preparation of these consolidated financial statements are set out below. These policies have been consistently applied to all the years presented, unless otherwise stated.

i) New and amended standards adopted by the Group

During the year ended December 31, 2021, there were no new or amended IFRS standards adopted by the Group.

ii) **New and amended standards and interpretations issued but not yet adopted**

The Group has assessed the impact of the following amendments to the standards and interpretations applicable for future periods and does not expect these to have a material impact on the Group's consolidated financial statements at the adoption date:

- IAS 1: Presentation of Financial Statements ("IAS 1"), has been amended to clarify how to classify debt and other liabilities as either current or non-current. The amendment to IAS 1 is effective for the years beginning on or after January 1, 2023;

- The annual improvements process addresses issues in the 2018-2020 reporting cycles including changes to IFRS 9: Financial Instruments and IFRS 16: Leases. These improvements are effective for periods beginning on or after January 1, 2022;

- IAS 37: Provisions ("IAS 37"), has been amended to clarify:

  (i) the meaning of "costs to fulfil a contract", and
  (ii) that, before a separate provision for an onerous contract is established, an entity recognizes any impairment loss that has occurred on assets used in fulfilling the contract, rather than on assets dedicated to that contract.

  These amendments are effective for periods beginning on or after January 1, 2022;

- IAS 16: Property, Plant and Equipment ("IAS 16"), has been amended to:

  (i) prohibit an entity from deducting from the cost of an item of property, plant and equipment, any proceeds received from selling items produced while the entity is preparing the asset for its intended use (for example, the proceeds from selling samples produced when testing a machine to see if it is functioning properly);
  (ii) clarify that an entity is "testing whether the asset is functioning properly" when it assesses the technical and physical performance of the asset; and
  (iii) require certain related disclosures.

  These improvements are effective for periods beginning on or after January 1, 2022.

- In February 2021, IASB issued amendments to IAS 8, in which it introduces a definition of accounting estimates. The amendments clarify the distinction between changes in accounting estimates and changes in accounting policies and the correction of errors. The amendment also clarifies how an entity use measurement techniques and inputs to develop accounting estimates. The amendments are effective for annual reporting periods beginning on or after January 1, 2023 and are applicable to changes in accounting policies and changes in accounting estimates that occur on or after effective date.

The Group continues to assess the impact of the following amendment:

- IAS 12: Income Taxes ("IAS 12"), has been amended to recognise deferred tax on particular transactions that, on initial recognition, give rise to equal amounts of taxable and deductible temporary differences. These amendments are effective for periods beginning on or after January 1, 2023.

- In February 2021, the IASB issued amendments to IAS 1 and IFRS Practice Statement 2 making materiality judgements, in which it provides guidance and examples to help entities apply materiality judgements to accounting policy disclosures. The amendments aim to help entities provide accounting policy disclosures that are more useful by replacing the requirement for entities to disclose their significant accounting policies with a requirement to disclose their material accounting policies and adding guidance on how entities apply the concept of materiality in making decisions about accounting policy disclosures. The amendments to IAS 1 are applicable for annual periods beginning on or after January 1, 2023.

iii) **Segment reporting**

Operating segments are reported in a manner consistent with the internal reporting provided to the chief operating decision-maker. The chief operating decision-maker, who is responsible for allocating resources and assessing the performance of the operating segments, has been identified as the board of directors (the "Board").

iv) **Foreign currency transactions**

a) Functional and Presentation Currency

Items included in the financial statements of each of the Group's entity are measured using the currency in which the sale price is denominated, and majority expenses are incurred (the "functional currency"). The consolidated financial statements are presented in United States Dollars, which is the Group's functional currency.

b) Foreign currency transactions and translations

Foreign currency transactions are translated into the functional currency using the exchange rates prevailing at the dates of the transactions or valuation where items are re-measured. Foreign exchange gains and losses resulting from the settlement of such transactions and from the translation at year-end exchange rates of monetary assets and liabilities denominated in foreign currencies are recognized in the statement of comprehensive income/(loss), except when deferred in other comprehensive income as qualifying cash flow hedges and qualifying net investment hedges.

v) **Critical accounting estimates and judgements**

Estimates and judgements are continually evaluated and are based on historical experience and other factors, including expectations of future events that are believed to be reasonable under the circumstances.

Critical accounting estimates and assumptions

The Group makes estimates and assumptions concerning the future. The resulting accounting estimates will, by definition, seldom equal the related actual results. The estimates and assumptions that have a significant risk of causing a material adjustment to the carrying amounts of assets and liabilities within the next financial year are addressed below:

a) Exploration and evaluation expenditure

The Group's accounting policy for exploration and evaluation expenditure results in certain items of expenditure being capitalized for an area of interest where it is considered likely to be recoverable by future exploitation or sale or where the activities have not reached a stage which permits a reasonable assessment of the existence of reserves. This policy requires management to make certain estimates and assumptions as to future events and circumstances, in particular, whether an economically viable extraction operation can be established. Any such estimates and assumptions may change as new information becomes available. If, after having capitalized the expenditure under the policy, a judgment is made that recovery of the expenditure is unlikely, the relevant capitalized amount is written off to the statement of comprehensive income/(loss).

b) Estimated impairment of oil and gas properties

Oil and gas reserves are an important element in impairment testing for oil and gas properties. Estimates of oil and gas reserves are inherently imprecise and are subject to future revision. These reserves are estimated by an independent expert with reference to the available reservoir and well information, including production and pressure trends for producing reservoirs and, in some cases, subject to definitional limits, to similar data from other producing reservoirs.

Oil and gas properties are reviewed for impairment, whenever events or change in circumstances indicate that the carrying value may not be recoverable. An impairment loss is recognized for the amount by which the carrying amount exceeds its recoverable amount.

The recoverable amount of a cash-generating unit ("CGU") and an individual asset is determined based on the higher of the value-in-use calculations and fair value less costs of disposal. These calculations require the use of estimates and assumptions, including the discount rate. It is reasonably possible that the commodity price assumptions may change, which may impact the estimated life of the field and economically recoverable reserves and may require a material adjustment to the carrying value of oil and gas properties. The Group monitors internal and external indicators of impairment relating to its assets.

c) Estimated oil and gas reserves used for depletion of oil and gas properties

Proved and probable reserves, used for recording depletion of oil and gas properties, are estimated by an independent expert with reference to the available reservoir and well information. Proved and probable reserves estimates are subject to revision, either upward or downward, based on new information, such as from development drilling and production activities or from changes in economic factors, including product prices, contract terms or development plans. Changes to the estimates of proved and probable reserves affect the amount of depletion recorded in the financial statements for oil and gas properties related to hydrocarbon production activities.

d) Asset retirement obligation

Estimates of the amount of provision for asset retirement obligations are recognized based on current legal and constructive requirements, technology, and price levels. Provision is recorded based on the estimates received from the operator, where available, or the information provided by the technical department of the Group based on the best estimates. However, the actual outflows can differ from the estimated cash outflows due to changes in laws, regulations, public expectations, technology, prices, and conditions, and can take place many years in the future; the carrying amount of provision is reviewed and adjusted to take account of such changes.

e) Recognition of deferred tax assets

The recognition of deferred tax assets is based upon whether it is more likely than not that sufficient and suitable taxable profits will be available in the future against which the reversal of temporary differences can be deducted. To determine the future taxable profits, reference is made to the latest available profit forecasts. Where the temporary differences are related to losses, relevant tax law is considered to determine the availability of the losses to offset against the future taxable profits.

Significant items on which the Group has exercised accounting judgement include recognition of deferred tax assets in respect of tax losses in Pakistan.

f) Measurement of share-based payments

Share-based payments recorded pursuant to share-based compensation plans are subject to estimated fair values, forfeiture rates, volatility, and the future attainment of performance criteria, if any.

g) Leases

The lease liability is initially measured at the present value of the lease payments that are not paid at the commencement date, discounted using the interest rate implicit in the lease or, if that rate cannot be readily determined, the Group's incremental borrowing rate. Generally, the Group uses its incremental borrowing rate as the discount rate, which is estimated at the inception of the lease. At transition, lease liabilities were measured at the present value of the remaining lease payments, discounted at the Group's incremental borrowing rate. The Group's incremental borrowing rate is estimated using prevailing interest rates, market precedents and the Group's credit rating.

h) Expected renewal of expired exploration licenses and leases

The expiry of the term of an exploration license or lease is an important element in impairment testing for exploration and evaluation assets and oil and gas properties. While assessing the expected renewals of expired exploration licenses and leases, the management consider the related provisions of relevant petroleum concession agreements, history of previous renewals granted by the regulatory authorities and industry precedents.

Critical judgements in applying the entity’s accounting policies

i) Determination of CGUs for impairment testing

For impairment testing, oil and gas properties are aggregated into CGUs, based on separately identifiable and largely independent cash flows. The determination of the Group’s CGUs, however, is subject to judgement.

j) Asset retirement obligation

Provision is recognized for the future restoration cost of oil and gas wells, production facilities and pipelines at the end of their economic lives. The timing of recognition requires the application of judgment to existing facts and circumstances, which can be subject to change.

k) Fair value measurement

When the fair values of financial assets and financial liabilities recorded in the statement of financial position cannot be measured based on quoted prices in active markets, their fair value is measured using valuation techniques including the discounted cash flow (DCF) model. The inputs to these models are taken from observable markets where possible, but where this is not feasible, a degree of judgement is required in establishing fair values. Judgements include considerations of inputs such as liquidity risk, credit risk and volatility. Changes in assumptions relating to these factors could affect the reported fair value of financial instruments.

l) Determination of functional currency

The determination of the functional currency of the Group is critical and requires significant judgment, since the recording of transactions and exchange differences arising therefrom are dependent on the functional currency selected.

m) Leases

The Group assesses whether a contract is or contains a lease at inception of the contract. This assessment involves the exercise of judgement about whether it depends on a specified asset, whether the Group obtains substantially all the economic benefits from the use of that asset, and whether the Group has the right to direct the use of the asset. Furthermore, the Group assesses and reassesses the likelihood of it exercising renewal options.

n) Impact of the coronavirus ("COVID-19") pandemic

The COVID-19 pandemic continues to evolve and despite the governmental responses to control and restrict the spread, it continued to result in disruptions of business operations and an increase in economic uncertainty worldwide. As a result, there remains significant uncertainty as to the extent and duration of the global economic slowdown. This uncertainty has created volatility in commodity prices, currency exchange rates and a marked decline in long-term interest rates. Management applied judgment and will continue to assess the situation in determining the impact of the significant uncertainties created by these events and conditions on the carrying amounts of assets and liabilities in the consolidated financial statements.

vi) **Consolidation**

a) Subsidiaries

Subsidiaries are all entities over which the Holding Company has control. The Holding Company controls an entity when the Holding Company is exposed to, or has rights to, variable returns from its involvement with the entity and has the ability to affect those returns through its power over the entity. Subsidiaries are fully consolidated from the date on which control is transferred to the Holding Company. They are de-consolidated from the date that control ceases. SEPL, PEPL, FOGHL and FHL are the material subsidiaries of the Holding Company. In addition to these the Holding Company has several inactive wholly owned subsidiaries listed under Note 23.

The Holding Company applies the acquisition method to account for business combinations. The consideration transferred for the acquisition of a subsidiary is the fair values of the assets transferred, the liabilities incurred to the former owners of the acquiree, and the equity interests issued by the Holding Company. The consideration transferred includes the fair value of any asset or liability resulting from a contingent consideration arrangement. Identifiable assets acquired and liabilities and contingent liabilities assumed in a business combination are measured initially at their fair values at the acquisition date. The Holding Company recognizes any non-controlling interest in the acquiree on an acquisition-by-acquisition basis, either at fair value or at the non-controlling interest's proportionate share of the recognized amounts of the acquiree's identifiable net assets. Acquisition-related costs are expensed as incurred.

If the business combination is achieved in stages, the acquisition date carrying value of the acquirer's previously held equity interest in the acquiree is re-measured to fair value at the acquisition date; any gains or losses arising from such re-measurement are recognized in the statement of comprehensive income/(loss). Any contingent consideration to be transferred by the Holding Company is recognized at fair value at the acquisition date. Subsequent changes to the fair value of the contingent consideration that is deemed to be an asset or liability is recognized in accordance with IAS 39 either in profit or loss or as a change to other comprehensive income. Contingent consideration that is classified as equity is not re-measured, and its subsequent settlement is accounted for within equity.

Inter-company transactions, balances, and unrealized gains on transactions between group companies are eliminated. Unrealized losses are also eliminated. When necessary, amounts reported by subsidiaries have been adjusted to conform to the Group's accounting policies.

b) Changes in ownership interests in subsidiaries without change of control

Transactions with non-controlling interests that do not result in loss of control are accounted for as equity transactions – that is, as transactions with the owners in their capacity as owners. The difference between fair value of any consideration paid and the relevant share acquired of the carrying value of net assets of the subsidiary is recorded in equity. Gains or losses on disposals to non-controlling interests are also recorded in equity.

c) Disposal of subsidiaries

When the Holding Company ceases to have control, any retained interest in the entity is re-measured to its fair value at the date when control is lost, with the change in carrying amount recognized in the consolidated statement of comprehensive income/(loss). The fair value is the initial carrying amount for the purposes of subsequently accounting for the retained interest as an associate, joint venture, or financial asset. In addition, any amounts previously recognized in other comprehensive income in respect of that entity are accounted for as if the Holding Company had directly disposed of the related assets or liabilities. This may mean that amounts previously recognized in other comprehensive income are reclassified to profit or loss.

d) Joint arrangements

Investments in joint arrangements are classified as either joint operations or joint ventures depending on the contractual rights and obligations of the parties to the arrangement. The Group has assessed the nature of its joint arrangements and determined them to be joint operations. The Group has recognized its share of assets, liabilities, income, and expenditure jointly held or incurred under the joint operations on the basis of the latest available audited accounts of the joint operations where applicable, or the cost statements received from the operator of the joint arrangement for the intervening period up to the balance sheet date.

vii) **Revenue recognition**

Revenue from the sale of petroleum products (oil and gas) is recognized when the significant risks and rewards of ownership have been transferred to the buyer. For sales of oil and gas this is usually when legal title passes to the external party which occurs on shipment/transportation of oil/gas to the buyer. Revenue from the sale of petroleum products to the Government of Pakistan or its nominated buyers is recognized based on prices notified by the Government of Pakistan. Revenue from the sale of petroleum products to a third party is recognized based on the price contracted with that third party.

viii) **Income tax**

The tax expense for the period comprises a current and deferred tax. Tax is recognized in the statement of comprehensive income/(loss), except to the extent that it relates to items recognized in other comprehensive income or directly in equity. In this case, the tax is also recognized in other comprehensive income or directly in equity, respectively. The income tax charge is calculated based on the tax laws enacted or substantively enacted at the balance sheet date in the jurisdictions where the Holding Company and its subsidiaries operate and generate taxable income. Management periodically evaluates positions taken in tax returns with respect to situations in which applicable tax regulation is subject to interpretation. It establishes provisions where appropriate based on amounts expected to be paid to the tax authorities.

Deferred income tax is recognized on temporary differences arising between the tax bases of assets and liabilities and their carrying amounts in the consolidated financial statements. However, deferred tax liabilities are not recognized if they arise from the initial recognition of goodwill; deferred income tax is not accounted for if it arises from initial recognition of an asset or liability in a transaction other than a business combination that at the time of the transaction affects neither accounting nor taxable profit or loss. Deferred income tax is determined using tax rates (and laws) that have been enacted or substantively enacted by the balance sheet date and are expected to apply when the related deferred income tax asset is realized, or the deferred income tax liability is settled. Deferred income tax assets are recognized only to the extent that it is probable that future taxable profit will be available against which the temporary differences can be utilized. Deferred income tax is provided on temporary differences arising on investments in subsidiaries and associates, except for deferred income tax liability where the timing of the reversal of the temporary difference is controlled by the Group and it is probable that the temporary difference will not reverse in the foreseeable future.

Deferred income tax assets and liabilities are offset when there is a legally enforceable right to offset current tax assets against current tax liabilities and when the deferred income tax assets and liabilities relate to income taxes levied by the same taxation authority on either the same taxable entity or different taxable entities where there is an intention to settle the balances on a net basis.

ix) **Stock-based compensation**

The Group issues options and/or restricted share units to its directors, officers, and employees to acquire common shares. These options and/or restricted share units are accounted for using the fair value method which estimates the value of the options and/or restricted share units at the date of grant using the Black-Scholes Option Pricing Model. The fair value thus established is recognized as an expense over the vesting period of the options and/or restricted share units with a corresponding increase to contributed surplus. When the options and/or restricted share units are exercised, the proceeds received and the applicable amount in contributed surplus will be credited to share capital.

x) **Cash and cash equivalents**

For the purpose of the cash flow statement, cash and cash equivalents comprise cash in hand, demand deposits and other short-term highly liquid investments that are readily convertible to known amounts of cash and which are subject to an insignificant risk of change in value.

xi) **Trade receivables**

Trade receivables are recognized and carried at original invoice amount, less provision for doubtful debts. Collectability of trade receivables is reviewed on an ongoing basis. Debts which are known to be uncollectable are written off.

xii) **Exploration, evaluation and development assets**

a) Exploration and evaluation costs

Exploration and evaluation costs are accumulated in respect of each separate area of interest. Exploration and evaluation costs are carried forward where right of tenure of the area of interest is current and they are expected to be recouped through sale or successful development and exploitation of the area of interest, or, where exploration and evaluation activities in the area of interest have not yet reached a stage that permits reasonable assessment of the existence of economically recoverable reserves. Exploration and evaluation assets are tested for impairment once the decision is made that it is technically feasible and will be transferred to property, plant and equipment or whenever facts and circumstances indicate impairment.

When an area of interest is abandoned, surrendered/relinquished or management decides and the Board approves that it is not determined commercially viable, any accumulated costs in respect of that area are written off in the financial period in which the decision is made.

b) Oil and gas properties

When an oil or gas field has been approved for development and technical feasibility and commercial viability of extracting resources is determined, the accumulated exploration and evaluation costs are transferred to oil and gas properties.

Assets in development

The costs of oil and gas properties in development are separately accounted for and include past exploration and evaluation costs, development drilling and other subsurface expenditure, surface plant and equipment and any associated land and buildings and directly attributable borrowing costs. When commercial operation commences, the accumulated costs are transferred to oil and gas assets in production.

Assets in production

The costs of oil and gas assets in production are separately accounted for and include past exploration and evaluation costs, past development costs and the ongoing costs to develop reserves for production and to expand or replace plant and equipment and any associated land and buildings.

Depletion

Upon the commencement of commercial production in an area of interest, accumulated development costs, inclusive of exploration and evaluation assets are depleted on a unit of production basis over the estimated useful life of the field determined by reference to the proved and probable reserves.

Borrowing cost capitalization

Borrowing costs relating to assets that take a substantial period of time to construct are capitalized as part of the asset. Capitalization of borrowing costs ceases when the asset is in the location and condition necessary for its intended use and is suspended when construction of an asset is ceased for extended periods.

xiii) **Property, plant and equipment**

Property, plant and equipment are stated at cost less accumulated depreciation and impairment loss, if any. Depreciation is charged on the straight-line basis to write off the depreciable amount of the property, plant and equipment over their estimated useful lives. Depreciation on additions is charged from the month in which the asset is available for use and on disposals up to the preceding month of disposal. The assets' residual values, depreciation method and useful lives are reviewed, and adjusted if appropriate, at each balance sheet date.

xiv) **Depreciation of property, plant and equipment**

Depreciation is calculated on a straight-line basis to write off the net cost or revalued amount of each item of property, plant and equipment over its expected useful life to the Group. Estimates of remaining useful lives are made on a regular basis for all assets, with annual reassessments for major items. The depreciation rates applied are as follows:

Computer equipment	33.33%
Furniture and fixtures	20.00%
Office equipment	33.33%
Motor vehicles	20.00%

xv) **Recoverable amount of non-current assets**

The recoverable amount of an asset is the net amount expected to be recovered through the net cash flows arising from its continued use and subsequent disposal.

Where the carrying amount of a non-current asset is greater than its recoverable amount, the asset is written down to its recoverable amount. Where net cash flows are derived from a CGU, the recoverable amount is determined on the basis of the relevant CGU. The decrease in the carrying amount is recognized as an expense in the reporting period in which the recoverable amount write-down occurs.

xvi) **Asset retirement obligation**

Provision is recognized for the future restoration of oil and gas wells, production, and pipelines at the end of their economic lives. The amount recognized is the present value of the estimated cost to abandon a well and remove production facilities. A corresponding asset of an amount equivalent to the provision is also created within property, plant and equipment and is depleted on a unit of production basis over the proved and probable reserves of the field. Provision is recorded based on the estimates received from the operator, where available, or the information provided by the technical department of the Group based on the best estimates. The increase in provision due to accretion on asset retirement obligation is recorded as a finance cost.

xvii) **Impairment**

a) Financial assets

A financial asset is assessed at each reporting date to determine whether there is any objective evidence that it is impaired.

Loss allowances are measured at an amount equal to the lifetime expected credit losses on the asset. Expected credit losses are a probability-weighted estimate of credit losses and are measured as the present value of all cash shortfalls for financial assets that are not credit-impaired at the reporting date and as the difference between the gross carrying amount and the present value of estimated future cash flows for financial assets that are credit-impaired at the reporting date. Loss allowances for expected credit losses for financial assets measured at amortized cost are presented in the statement of financial position as a deduction from the gross carrying amount of the asset.

b) Non-financial assets

The carrying amounts of the Group's non-financial assets are reviewed at each reporting date to determine whether there is any indication of impairment. Exploration and evaluation assets are tested for impairment immediately prior to the costs being transferred to property, plant and equipment or whenever facts and circumstances indicate impairment. If any indication exists, then the asset's recoverable amount is estimated. The recoverable amount of an asset or a CGU, as defined below, is the greater of its value in use and its fair value less costs of disposal. Fair value less costs of disposal is determined based on reserve appraisal studies carried out by an independent reserves' valuer at each reporting date. For the purpose of impairment testing, assets are grouped together into the smallest group of assets that generates cash inflows from continuing use that are largely independent of the cash inflows of other assets or groups of assets (a "CGU").

An impairment loss is recognized if the carrying amount of an asset or its CGU exceeds its recoverable amount. Impairment losses are recognized in the statement of comprehensive income/(loss).

Impairment losses recognized in prior periods are assessed at each reporting date for any indications that the loss has decreased and no longer exists. An impairment loss is reversed if there has been a change in the estimates used to determine the recoverable amount. An impairment loss is reversed only to the extent that the asset's carrying amount does not exceed the carrying amount that would have been determined, net of depreciation, if no impairment loss had been recognized.

xviii) **Employee benefits**

a) Wages and salaries, annual leave and sick leave

Liabilities for wages and salaries, including non-monetary benefits and annual leave expected to be settled within 12 months of the reporting date are recognized in payables in respect of employees' services up to the reporting date and are measured at the amounts expected to be paid when the liabilities are settled.

b) Employee benefit on-costs

Employee benefit on-costs, including payroll tax, are recognized, and included in employee benefit liabilities and costs when the employee benefits to which they relate are recognized as liabilities.

xix) **Finance income and expenses**

Finance income comprises interest income on bank deposits that is recognized in the statement of comprehensive income/(loss). Interest income is recognized as it accrues in the statement of comprehensive income/(loss) using the effective interest method. Foreign currency exchange gains/(losses) are reported on a net basis.

xx) **Borrowings**

Borrowings are recognized initially at fair value, net of transaction costs incurred. Borrowings are subsequently carried at amortized cost; any difference between the proceeds (net of transaction costs) and the redemption value is recognized in the statement of comprehensive income/(loss) over the period of the borrowings using the effective interest method.

Fees paid on the establishment of loan facilities are recognized as transaction costs of the loan to the extent that it is probable that some or all of the facility will be drawn down. In this case, the fee is deferred until the draw-down occurs. To the extent there is no evidence that it is probable that some or all of the facility will be drawn down, the fee is capitalized as a pre-payment for liquidity services and amortized over the period of the facility to which it relates.

xxi) **Borrowing costs**

General and specific borrowing costs directly attributable to the acquisition, construction or production of qualifying assets, which are assets that necessarily take a substantial period of time to get ready for their intended use or sale, are added to the cost of those assets, until such time as the assets are substantially ready for their intended use or sale.

Investment income earned on the temporary investment of specific borrowings pending their expenditure on qualifying assets is deducted from the borrowing costs eligible for capitalization. All other borrowing costs are recognized in the statement of comprehensive income/(loss) in the period in which they are incurred.

xxii) **Trade and other payables**

Trade payables are obligations to pay for goods or services that have been acquired in the ordinary course of business from suppliers. Accounts payable are classified as current liabilities if payment is due within one year or less (or in the normal operating cycle of the business if longer). If not, they are presented as non-current liabilities.

xxiii) **Contingent liability**

A contingent liability is disclosed when the Group has a possible obligation as a result of past events, whose existence will be confirmed only by the occurrence or non-occurrence of one or more uncertain future events not wholly within the control of the Group; or the Group has a present legal or constructive obligation as a result of a past event, but it is not probable that an outflow of resources embodying economic benefits will be required to settle the obligation, or the amount of the obligation cannot be measured with sufficient reliability.

xxiv) **Leases**

The Group assesses whether a contract is a lease based on whether the contract conveys the right to control the use of an underlying asset for a period of time in exchange for consideration.

As a Lessee, leases are recognized as a lease liability and a corresponding Right of Use (“ROU”) asset at the date on which the leased asset is available for use by the Group. Liabilities and assets arising from a lease are initially measured on a present value basis. Lease liabilities are measured at the present value of the remaining lease payments, discounted using the Group's estimated incremental borrowing rate when the rate implicit in the lease is not readily available. The corresponding ROU assets are measured at the amount equal to the lease liability.

The lease liability is remeasured when there is a change in the future lease payments arising from a change in an index or rate, if there is a change in the amount expected to be payable under a residual value guarantee or if there is a change in the assessment of whether the Group will exercise a purchase, extension or termination option that is within the control of the Group.

The ROU asset, initially measured at an amount equal to the corresponding lease liability, is depreciated on a straight-line basis, over the shorter of the estimated useful life of the asset or the lease term. The ROU asset may be adjusted for certain re-measurements of the lease liability and impairment losses. Lease payments are allocated between the lease liability and finance costs.

Leases that have terms of less than twelve months or leases on which the underlying asset is of low value are recognized as an expense in the consolidated statement of comprehensive income/(loss) on a straight-line basis over the lease term.

xxv) **Share capital**

Ordinary shares are classified as equity. Incremental costs directly attributable to the issue of ordinary shares are recognized as a deduction from equity, net of any tax effects.

xxvi) **Dividends**

Dividends on shares are recognized as a liability in the period in which they are declared.

xxvii) **Financial Instruments**

Financial assets and liabilities are recognized when the Group becomes a party to the contractual provisions of the instrument. A financial asset or liability is measured initially at fair value plus, for an item not measured at fair value through profit and loss (“FVTPL”), transaction costs that are directly attributable to its acquisition or issuance.

Derivative financial instruments are recognized at fair value. Transaction costs are expensed in the consolidated statement of comprehensive income/(loss). Gains and losses arising from changes in fair value are recognized in the consolidated statement of comprehensive income/(loss) in the period in which they arise.

Financial assets and liabilities at FVTPL are classified as current except where an unconditional right to defer payment beyond twelve (12) months exists. Derivative financial instruments are included on the balance sheet as either an asset or liability and are classified as current or non-current based on the contractual terms specific to the instrument.

Financial assets and liabilities are offset, and the net amount is reported in the statement of financial position when there is a legally enforceable right to offset the recognized amounts and there is an intention to settle on a net basis or realize the asset and settle the liability simultaneously.

- *Financial assets*

At initial recognition, a financial asset is classified as measured at: amortized cost, FVTPL or fair value through other comprehensive income (“FVTOCI”) depending on the business model and contractual cash flows of the instrument.

(expressed in US dollars)

Financial assets are derecognized when the rights to receive cash flows from the assets have expired or have been transferred and the Group has transferred substantially all risks and rewards of ownership. A substantial modification to the terms of an existing financial asset results in the derecognition of the financial asset and the recognition of a new financial asset at fair value. In the event that the modification to the terms of an existing financial asset do not result in a substantial difference in the contractual cash flows the gross carrying amount of the financial asset is recalculated and the difference resulting from the adjustment in the gross carrying amount is recognized in the consolidated statement of comprehensive income/(loss).

- *Financial liabilities*

Financial liabilities are measured at amortized cost or FVTPL. Financial liabilities at amortized cost include accounts payable and accrued liabilities, amounts due to related parties and borrowings. Accounts payable and accrued liabilities are initially recognized at the amount required to be paid less any required discount to reduce the payables to fair value. Amounts due to related parties and borrowings are recognized initially at fair value, net of any transaction costs incurred, and subsequently at amortized cost using the effective interest method.

Financial liabilities are derecognized when the liability is extinguished. A substantial modification of the terms of an existing financial liability is recorded as an extinguishment of the original financial liability and the recognition of a new financial liability. The difference between the carrying amount of a financial liability extinguished and the consideration paid is recognized in the consolidated statement of comprehensive income/(loss). Where a financial liability is modified in a way that does not constitute an extinguishment (generally when there is a change of less than 10% in the present value of cash flows discounted at the original effective interest rate), the modified cash flows are discounted at the liability's original effective interest rate. Transaction costs paid to third parties in a modification are amortized over the remaining term of the modified debt.

xxviii) **Offsetting**

Financial assets and liabilities are offset, and the net amount is reported in the balance sheet if the Group has a legally enforceable right to set off the recognized amounts and the Group intends to settle on a net basis or realize the asset and settle the liability simultaneously.

4 Restricted cash

These represent (i) cash reserve funds (Debt Service Reserve Account and Debt Payment Account) maintained with Askari Bank Limited pursuant to the terms of the AKBL Syndicated term finance facilities (*refer to note 10 (a) for further details*) and (ii) amount held under lien by the bank as a security for bank guarantees issued to the Government of Pakistan in respect of the SEPL's pro-rata share of exploration expenditure commitments pursuant to the granting of Nareli exploration license.

5 Accounts and other receivables

	December 31, 2021 $	December 31, 2020 $
Trade receivables (note 5 a)	7,654,288	10,961,234
Due from concession operator	-	579,323
Due from related parties (note 5 b)	1,069,688	1,104,463
Prepayments	38,055	50,424
Security deposit	42,062	42,062
Other receivables	888,543	243,417
	9,692,636	**12,980,923**
Provision for impairment (note 5 b)	(818,218)	(818,218)
	8,874,418	**12,162,705**

(expressed in US dollars)

a) The trade receivables are provided as a security by way of irrevocable assignment into the collection accounts maintained with Askari Bank Limited, the lead arranger, acting on behalf of the participants, pursuant to the terms of the AKBL Syndicated term finance facilities (*refer to note 10 (a) for further details*).

b) This represents $818,218 and $251,470 (2020: $818,218 and $286,245) receivable from Energy Exploration Limited ("EEL") and JS Energy Limited ("JSEL") respectively. The balances are receivable on demand and carry no interest. Amount due from EEL represents expenses recharged and payments made on behalf of EEL. EEL has a 12% working interest in Zamzama North exploration license. However, owing to the expiry of the term of the Zamzama North exploration license, the Group has fully provided for the balance receivable from EEL.

6 Property, plant and equipment

		Other operating assets				
	Oil and gas properties	Computer equipment	Furniture and fixtures	Office equipment	Motor vehicles	Total
	$	$	$	$	$	$
Cost	70,737,070	114,603	24,011	48,949	220,304	71,144,937
Accumulated depletion, depreciation and impairment	(25,757,125)	(105,243)	(23,942)	(48,949)	(208,716)	(26,143,975)
Opening net book value	**44,979,945**	**9,360**	**69**	**-**	**11,588**	**45,000,962**
Year ended December 31, 2021						
Additions during the year	2,625,601	6,675	-	-	-	2,632,276
Addition in asset retirement obligation	20,710	-	-	-	-	20,710
Revision in asset retirement obligation	(561,333)	-	-	-	-	(561,333)
Depletion and depreciation for the year	(9,045,172)	(5,290)	(69)	-	(6,867)	(9,057,398)
Impairment for the year (note 6 a)	(14,395,709)	-	-	-	-	(14,395,709)
Carrying amount at December 31, 2021	**23,624,042**	**10,745**	**-**	**-**	**4,721**	**23,639,508**
Cost	72,822,048	121,278	24,011	48,949	220,304	73,236,590
Accumulated depletion, depreciation and impairment	(49,198,006)	(110,533)	(24,011)	(48,949)	(215,583)	(49,597,082)
Carrying amount at December 31, 2021	**23,624,042**	**10,745**	**-**	**-**	**4,721**	**23,639,508**
Cost	63,520,728	109,148	24,011	48,949	339,879	64,042,715
Accumulated depletion, depreciation and impairment	(20,351,937)	(101,988)	(22,423)	(48,949)	(264,530)	(20,789,827)
Opening net book value	**43,168,791**	**7,160**	**1,588**	**-**	**75,349**	**43,252,888**
Year ended December 31, 2020						
Additions during the year	4,029,971	5,455	-	-	-	4,035,426
Addition in asset retirement obligation	319,031	-	-	-	-	319,031
Revision in asset retirement obligation	757,617	-	-	-	-	757,617
Transferred from exploration and evaluation assets (note 7)	2,109,723	-	-	-	-	2,109,723
Disposal during the year						
- Cost	-	-	-	-	(119,575)	(119,575)
- Accumulated depreciation	-	-	-	-	77,727	77,727
	-	-	-	-	(41,848)	(41,848)
Depletion and depreciation for the year	(4,655,188)	(3,255)	(1,519)	-	(21,913)	(4,681,875)
Impairment for the year (note 6 b)	(750,000)	-	-	-	-	(750,000)
Carrying amount at December 31, 2020	**44,979,945**	**9,360**	**69**	**-**	**11,588**	**45,000,962**
Cost	70,737,070	114,603	24,011	48,949	220,304	71,144,937
Accumulated depletion, depreciation and impairment	(25,757,125)	(105,243)	(23,942)	(48,949)	(208,716)	(26,143,975)
Carrying amount at December 31, 2020	**44,979,945**	**9,360**	**69**	**-**	**11,588**	**45,000,962**
Annual rate of depreciation (%)		33.33%	20.00%	33.33%	20.00%	

Motor vehicles include the following amounts where the Group is a lessee under a finance lease (*refer to note 10 (b) for further details*):

	December 31, 2021	December 31, 2020
Leasehold motor vehicles	**$**	**$**
Cost	146,086	146,086
Accumulated depreciation	(141,365)	(134,498)
Carrying amount at end of year	**4,721**	**11,588**

(expressed in US dollars)

a) Impairment assessment 2021

During the year, the gas production from Zarghun South lease was significantly lower than the forecast prepared by the independent reserves valuer in its report prepared as at December 31, 2020. The decline in gas production is attributed to a significant drop in wellhead flowing pressures and excessive formation water production caused by a water breakthrough in the naturally fractured Dunghan reservoir. As a result, the management carried out an impairment test for its Cash Generating Units in accordance with the accounting policy stated in note 3 (xvii-b).

The tests were performed using a fair value less cost of disposal methodology using a discounted cash flow model. The fair value of each Cash Generating Unit ("CGU") was categorized as Level 3 fair value based on the unobservable inputs used. The determination of the recoverable amount of a CGU involves several assumptions and estimates which are subject to estimation uncertainty, as well as a significant degree of judgment. Significant estimates involved in the calculation include pricing assumptions, production and cost assumptions and the appropriate discount rate. The Group engages an independent reserves valuer to prepare an annual reserve report, which contains the pricing, production and cost assumptions that form the basis for determining the recoverable amount of each CGU. The future net cash flows are calculated by applying forecasted prices of gas reserves to estimated future production of proved and probable gas reserves, less estimated future expenditures to be incurred in developing and producing the proved and probable reserves. The present value of estimated future net cash flows is computed using an after-tax discount rate of 17.5%. The discount rate used reflects the specific risks relating to the underlying CGUs. As a result of the impairment tests, an impairment charge of $14.39 million was recorded for CGU-I. At December 31, 2021, the recoverable amount of CGU-I was $10.73 million. No impairment is required to be recognized for CGU-II and CGU-III.

The crude oil price forecast used to determine the recoverable amount are $75/bbl in 2022, $69.87/bbl in 2023, $67.63/bbl in 2024, $68.98/bbl in 2025 and an annual escalation of approximately 2% after 2025.

Estimates of the recoverable amounts are sensitive to discount rate and crude oil prices. The impact of 1% (increase)/decrease in the discount rate and 5% increase/(decrease) in the crude oil price forecast on the recoverable amount of each CGU is as follow:

	Recoverable amount	Discount rate		Crude oil price	
		1% increase	1% decrease	5% increase	5% decrease
	$	$	$	$	$
CGU-I	10,784,000	(183,000)	189,000	204,000	(273,000)
CGU-II	3,414,000	(83,000)	87,000	74,000	(88,000)
CGU-III	16,112,000	(383,000)	399,000	532,000	(616,000)

As a result of applying the sensitivities to the discount rate and crude oil price, adequate cushion is available for CGU-II and CGU-III, however, there will be an immaterial impact on the impairment recorded for CGU-I.

b) Impairment assessments 2020

In light of the significant degradation and volatility in global crude oil prices, international oil supply and demand imbalances, and the uncertainty surrounding the economic impact of COVID–19, the management carried out impairment tests at March 31, 2020 and at December 31, 2020, for its Cash Generating Units in accordance with the accounting policy stated in note 3(xvii-b).

The impairment tests were performed using a fair value less cost of disposal methodology using a discounted cash flow model. The fair value of each CGU was categorized as Level 3 fair value based on the unobservable inputs used. The determination of the recoverable amount of a CGU involves several assumptions and estimates which are subject to estimation uncertainty, as well as a significant degree of judgment. Significant estimates involved in the calculation include pricing assumptions, production and cost assumptions and the appropriate discount rate. The Group engages an independent reserves valuer to prepare an annual reserve report, which contains the pricing, production and cost assumptions that form the basis for determining the recoverable amount of each CGU.

(expressed in US dollars)

Impairment test at March 31, 2020

The assumptions used for the impairment test carried out at March 31, 2020 were based on reserves report prepared as at December 31, 2019 adjusted for crude oil price forecast as at April 1, 2020 as provided by the Group's independent reserves valuer. The future net cash flows were calculated by applying forecasted prices of gas reserves to estimated future production of proved and probable gas reserves, less estimated future expenditures to be incurred in developing and producing the proved and probable reserves. The present value of estimated future net cash flows was computed using an after-tax discount rate of 15%. The discount rate used reflects the specific risks relating to the underlying CGUs. As a result of the impairment tests, an impairment charge of $0.75 million was recorded for CGU-II. At March 31, 2020, the recoverable amount of CGU-II was $4.17 million. No impairment was required to be recognized for CGU-I and CGU-III.

The crude oil price forecast used to determine the recoverable amount were $35.50/bbl in 2020, $46.41/bbl in 2021, $55.14/bbl in 2022, $61.55/bbl in 2023 and an annual escalation of approximately 2% after 2023.

Estimates of the recoverable amounts are sensitive to discount rate and crude oil prices. The impact of 1% (increase)/decrease in the discount rate and 5% increase/(decrease) in the crude oil price forecast on the recoverable amount of each CGU is as follow:

	Discount rate		Crude oil price	
	1% increase	1% decrease	5% increase	5% decrease
	$	$	$	$
CGU-I	(1,758,000)	1,894,000	875,000	(918,000)
CGU-II	(144,000)	153,000	96,000	(100,000)
CGU-III	(305,000)	318,000	498,000	(500,000)

As a result of applying the sensitivities to the discount rate and crude oil price, adequate cushion is available for CGU-I and CGU-III, however, there will be an immaterial impact on the impairment recorded for CGU-II.

Impairment test at December 31, 2020

The assumptions used for the impairment test carried out at December 31, 2020 were based on reserves report prepared as at December 31, 2020. The future net cash flows were calculated by applying forecasted prices of gas reserves to estimated future production of proved and probable gas reserves, less estimated future expenditures to be incurred in developing and producing the proved and probable reserves. The present value of estimated future net cash flows was computed using an after-tax discount rate of 15%. The discount rate used reflects the specific risks relating to the underlying CGUs. As a result of the impairment tests, no additional impairment was required to be recognized.

The crude oil price forecast used to determine the recoverable amount were $49.50/bbl in 2021, $53.55/bbl in 2022, $54.62/bbl in 2023, $55.71/bbl in 2024 and an annual escalation of approximately 2% after 2024.

7 Exploration and evaluation assets

	December 31, 2021	**December 31, 2020**
	$	**$**
Balance at beginning of the year	3,317,483	4,626,053
Additions during the year	487,565	808,019
Transferred to property, plant and equipment (note 6)	-	(2,109,723)
Exploration and evaluation assets written off (note 7 g)	(6,848)	(6,866)
Carrying amount at end of the year	**3,798,200**	**3,317,483**

(expressed in US dollars)

a) The breakup of carrying value of exploration and evaluation assets as at December 31, 2021 and 2020 is as follows:

	December 31, 2021 $	December 31, 2020 $
Guddu exploration license (note 7 b)	2,498,040	2,396,322
Badin IV South exploration license (note 7 c)	714,818	492,100
Badin IV North exploration license (note 7 d)	137,774	-
Kandra exploration rights (note 7 e)	429,061	429,061
Nareli exploration license (note 7 f)	18,507	-
	3,798,200	**3,317,483**

b) The Guddu exploration license expired on December 31, 2021. In accordance with the provisions of the Petroleum Concession Agreement ("PCA"), the operator on behalf of the JV partners submitted a renewal application to the Directorate General of Petroleum Concessions ("DGPC") for an eighteen-month extension in the term of the license. The approval of the application filed with the DGPC is pending as of the date of approval of these financial statements. The management believes that, based on the related provisions of the Guddu PCA, the exploration license has been and will remain valid until approval is granted by the DGPC. Therefore, no derecognition or impairment of exploration and evaluation assets related to the Guddu exploration license is required as at December 31, 2021.

c) The Badin IV South exploration license is valid upto February 2, 2024.

d) The initial term of Phase II of the Badin IV North exploration license expired on December 6, 2019. In accordance with the provisions of the PCA, the operator on behalf of the JV partners submitted a renewal application to the DGPC for extension in the term of the license. The approval of the application filed with the DGPC is pending as of the date of approval of these financial statements. The management believes that, based on the related provisions of the Badin IV North PCA, the exploration license has been and will remain valid until approval is granted by the DGPC.

e) The Kandra exploration rights are valid upto January 5, 2031.

f) The Nareli exploration license is valid upto October 12, 2024.

g) Owing to the expiry of the term of the Zamzama North exploration license all the costs incurred during the year have been written off.

8 Long-term receivables

	December 31, 2021 $	December 31, 2020 $
Advance tax	62,821	284,048
	62,821	**284,048**

9 Accounts payable and accrued liabilities

	December 31, 2021 $	December 31, 2020 $
Trade payables	75,855	101,995
Due to concession operators	3,408,818	2,991,240
Royalty payable	7,577,187	6,440,863
Sales tax payable	1,434,357	1,134,877
Accrued liabilities	1,698,336	1,503,407
Advance consideration (note 9 a)	669,387	669,387
Provision for workers' profit participation fund	1,303,664	1,119,428
Other payables (note 9 b)	484,197	526,783
	16,651,801	**14,487,980**

(expressed in US dollars)

a) Advance consideration represents amount collected on behalf of Petroleum Exploration (Private) Limited ("PEL") representing the consideration for the transfer of Group's 7.89% working interest in Badar, which is to be transferred to PEL pursuant to the terms of the Settlement Agreement dated August 12, 2016.

b) Other payables include an amount of $100,000 (December 31, 2020: $100,000) received from Konnect Gas (Private) Limited, an associated entity, as security deposit pursuant to the terms of the Sara and Suri Gas Sales and Purchase Agreement.

10 Borrowings

	December 31, 2021	December 31, 2020
Current	**$**	**$**
AKBL Syndicated term finance facilities (note 10 a)	2,995,823	2,188,881
Finance lease obligations (note 10 b)	258	6,196
	2,996,081	**2,195,077**
Non-current		
AKBL Syndicated term finance facilities (note 10 a)	6,117,040	10,121,455
Finance lease obligations (note 10 b)	-	284
	6,117,040	**10,121,739**
Total borrowings (note 10 c)	**9,113,121**	**12,316,816**

a) On January 31, 2020, SEPL entered into long term syndicated term finance facilities of PKR 2,000 million (approximately $11.25 million) with AKBL, the lead arranger acting on behalf of the participants (the "AKBL Facility").

The syndicate is comprised of AKBL, JS Bank Limited ("JSBL"), a related party of Jura, and Al Baraka Bank Pakistan Limited ("ABPL") with participation of PKR 1,000 million (approximately $5.63 million), PKR 550 million (approximately $3.10 million) and PKR 450 million (approximately $2.52 million) respectively. The AKBL Facility carries interest at the rate of 3-month KIBOR plus 2.50%. The interest is payable quarterly in arrears whereas the principal is repayable in sixteen equal quarterly installments commencing after a grace period of one year from the date of first disbursement.

The AKBL Facility is secured by corporate guarantees of Jura and FHL, a first hypothecation charge on the moveable fixed assets of SEPL with a 25% margin, an assignment of present and future receivables of SEPL and FHL with a 25% margin, a lien on collection accounts of SEPL and FHL maintained with AKBL and a lien on SEPL's debt service reserve account and debt payment account maintained with AKBL.

Under the terms of the AKBL Facility, the Pakistan Branch of SEPL must comply at each year-end (i.e. December 31) with the following financial covenants:

i) Debt service coverage ratio of at least 1.20 times;
ii) Current ratio of 1:1; and
iii) Debt to equity ratio of not more than 60:40.

As at December 31, 2021, the Pakistan Branch of SEPL was compliant with the above financial covenants.

b) In February 2016, SEPL entered into a diminishing musharaka facility with ABPL for the lease of vehicles for the Group's employees, in the amount of up to PKR 42 million (approximately $0.24 million). Under the terms of the facility, the Group has the option to acquire the leased vehicles without any consideration upon expiry of the lease term. The lease term is five years. The commitments in relation to the finance lease payable are as follows:

(expressed in US dollars)

	December 31, 2021	December 31, 2020
	$	$
Within one year	262	6,446
Later than one year but not later than five years	-	291
Later than five years	-	-
Minimum lease payments	**262**	**6,737**
Future interest payments	(4)	(257)
Recognized as liability	**258**	**6,480**

The present value of finance lease liabilities is as follows:

Within one year	258	6,196
Later than one year but not later than five years	-	284
Later than five years	-	-
Minimum lease payments	**258**	**6,480**

c) In November 2021, SEPL entered into a bilateral running musharaka facility of PKR 500 million (approximately $2.81 million) with ABPL. The proceeds of running musharaka facility remained undrawn at December 31, 2021.

11 Amounts due to related parties

	December 31, 2021	December 31, 2020
Current	$	$
Running finance facilities (note 11 a)	2,435,566	3,968,181
	2,435,566	**3,968,181**
Non-current		
Shareholder loans (note 11 b)	143,184	7,489,109
	143,184	**7,489,109**
Total amounts due to related parties	**2,578,750**	**11,457,290**

a) This represents a running finance facility (“RF Facility-I”) of PKR 425 million (approx. $2.39 million) with JSBL, a related party. The outstanding amount of RF Facility-I carries interest at the rate of 1-month KIBOR plus 2% payable quarterly in arrears. The RF Facility-I is secured by corporate guarantees of Jura and FHL, a first hypothecation charge on the moveable fixed assets of FHL with a 25% margin, a ranking hypothecation charge on the moveable fixed assets of SEPL with a 25% margin, to be upgraded to a pari passu charge within 180 days of first disbursement, a ranking assignment of present and future receivables of SEPL and FHL with a 25% margin and a lien on SEPL and FHL bank accounts maintained with JSBL.

b) These represent unsecured bridge loan from the majority shareholder of the Holding Company, JSEL. The principal amount bears interest at the rate of 11% per annum compounded quarterly. The principal and accrued interest outstanding as at December 31, 2021 are payable on demand, however, the shareholder has provided a written undertaking to the Holding Company, pursuant to which the shareholder loans shall not be called for repayment for a minimum period of twelve months from the date of approval of these financial statements.

Further, JSEL has the option to convert, in whole or in part, the principal and accrued interest under the bridge loan for a subscription of JEC shares, on the basis of one JEC share for each C$1.00 so converted ("the Conversion Option") subject to the restriction that, during any six month period, the aggregate number of JEC shares issuable to JSEL under the Conversion Option may not exceed 10% of the number of JEC shares outstanding, on a non-diluted basis, prior to the date of the first conversion.

(expressed in US dollars)

At December 31, 2021, the bridge loan comprised two components: (i) the host agreement and (ii) the embedded derivative representing the Conversion Option. The host agreement has been accounted for using the amortized cost method and the embedded derivative has been accounted for at fair value determined using the Black-Scholes Option Pricing Model. The fair value of the embedded derivative at December 31, 2021, was $nil (December 31, 2020: $nil). The assumptions used in the calculation of fair value are:

Risk-free interest rate (%)	0.20
Expected life (years)	1.00
Estimated volatility of underlying common shares (%)	106.00

12 The contractual maturities of borrowings and amounts due to related parties are as follows:

	Carrying value $	Not later than one year $	Later than one year and not later than five years $	Later than five years $
At December 31, 2021				
AKBL Syndicated term finance facilities	9,112,863	2,995,823	6,117,040	-
Finance lease obligations	258	258	-	-
Shareholder loans	143,184	-	143,184	-
Running finance facilities	2,435,566	2,435,566	-	-
	11,691,871	**5,431,647**	**6,260,224**	**-**
At December 31, 2020				
AKBL Syndicated term finance facilities	12,310,336	2,188,881	10,121,455	-
Finance lease obligations	6,480	6,196	284	-
Shareholder loans	7,489,109	-	7,489,109	-
Running finance facilities	3,968,181	3,968,181	-	-
	23,774,106	**6,163,258**	**17,610,848**	**-**

The fair value of borrowings and amounts due to related parties is not materially different to their carrying amount since the interest payable is comparable to the prevailing market rate. The fair values are determined based on discounted cash flows using the Group's weighted average current cost of borrowing.

The carrying amounts of borrowings and amounts due to related parties are denominated in the following currencies:

Currency	**December 31, 2021 $**	**December 31, 2020 $**
United States Dollars	143,184	7,489,109
Pakistan Rupee	11,548,687	16,284,997
	11,691,871	**23,774,106**

13 Asset retirement obligation

	December 31, 2021 $	**December 31, 2020 $**
Balance at beginning of the year	4,358,575	3,206,559
Additions during the year	20,710	319,031
Revisions due to change in estimates	(561,333)	757,617
Accretion on asset retirement obligation	-	75,368
Carrying amount at end of the year	**3,817,952**	**4,358,575**

(expressed in US dollars)

The Group's asset retirement obligation arises from its working interest ownership in petroleum and natural gas properties, including tangible well equipment and processing facilities. The asset retirement obligation is expected to be incurred between 2028 and 2035.

14 Share capital

Authorized share capital

The Holding Company is authorized to issue an unlimited number of common shares and an unlimited number of preferred shares. The preferred shares may be issued in one or more series, with rights and privileges for each series as determined by the Board. As at December 31, 2021, 69,076,328 (2020: 69,076,328) common share of C$ 1 were outstanding.

Restricted Share Units

The Group has a restricted share unit plan pursuant to which restricted share units ("RSU") may be granted to directors and officers of the Group. The RSU generally vest over a period of up to three years and expire no more than five years from the date of grant. As at December 31, 2021, 1,661,158 restricted share units were outstanding.

During the year ended December 31, 2021, stock-based compensation of $88,937 (2020: $22,157) was charged to the consolidated statement of comprehensive income/(loss).

15 Contingencies and commitments

Bank guarantees issued to the Government of Pakistan

A bank guarantee of $928,725 (2020: nil) has been issued to the DGPC in respect of minimum work commitments under the Nareli exploration license.

Taxation

The Group is involved in claims and actions arising in the course of the Group's operations and is subject to various legal actions and exposures, including tax positions taken by the Group. Although the outcome of these claims cannot be predicted with certainty, the Group does not expect these matters to have a material adverse effect on the Group's financial position, cash flows or results of operations. If an unfavorable outcome were to occur, there exists the possibility of a material adverse impact on the Group's consolidated net earnings or loss in the period in which the outcome is determined. Accruals for litigation, claims and assessments are recognized if the Group determines that the loss is probable, and the amount can be reasonably estimated. The Group believes it has made adequate provision for such legal claims. While fully supportable in the Group's view, some of these positions, including uncertain tax positions, if challenged may not be fully sustained on review.

Commitments	**December 31, 2021**	**December 31, 2020**
	$	**$**
Minimum capital commitments related to exploration licenses	6,594,114	2,972,086
Commitments under approved AFEs	115,658	558,550
Commitment under share purchase agreement for the acquisition of EEL	1,000	1,000
	6,710,772	**3,531,636**

(expressed in US dollars)

Breakdown of minimum capital commitments related to exploration licenses.

	2022	2023	2024	Total
	$	$	$	$
Zamzama North (note 15 a)	1,224,000	-	-	1,224,000
Guddu	426,300	-	-	426,300
Badin IV North	978,036	-	-	978,036
Badin IV South	343,750	-	-	343,750
Nareli	1,207,343	1,207,343	1,207,342	3,622,028
	4,179,429	**1,207,343**	**1,207,342**	**6,594,114**

a) The minimum capital commitments of Zamzama North also include EEL's share of minimum capital commitments under Zamzama North exploration license (*refer to note 1 for further details*).

16 Net revenue

Net revenue represents the sale of gaseous hydrocarbons from the Reti, Maru, Maru South, Maru East, Khamiso, Umair, Zarghun South, Ayesha, Aminah and Ayesha North gas fields, net of royalty amounting to $3,044,225 (2020: $3,984,794).

17 Cost of production

	December 31, 2021	December 31, 2020
	$	$
Production costs	3,990,122	2,903,867
Depletion of oil and gas properties (note 6)	9,045,172	4,655,188
	13,035,294	**7,559,055**

18 General and administrative expenses

	December 31, 2021	December 31, 2020
	$	$
Employees' benefits	1,692,048	1,432,744
Directors' compensation	248,018	88,784
Depreciation of other operating assets (note 6)	12,226	26,687
Legal and professional charges	453,152	315,710
Travelling expenses	21,094	48,793
Consultancy (note 18 a)	411,988	251,485
Office rent and utilities	44,186	49,549
Provision for workers' profit participation fund	184,236	339,600
Other expenses	561,165	206,412
	3,628,113	**2,759,764**

a) Consultancy includes an amount of $80,000 (2020: $80,000) charged by JS North Asia Investments Limited, a related party.

19 Finance costs

	December 31, 2021	December 31, 2020
	$	$
Interest on the amounts due to related parties		
- Running finance facilities	350,520	1,180,414
- Shareholder loans	354,075	235,650
Interest on borrowings		
- AKBL syndicated term finance facilities	1,313,136	1,313,215
- ABPL syndicated diminishing musharaka facilities	-	76,391
- Subordinated debentures	-	317,234

(expressed in US dollars)

- Finance lease obligations	252	2,742
Accretion on asset retirement obligation (note 13)	-	75,368
Late payment surcharge on payment of cash calls to operators	-	58,489
	2,017,983	**3,259,503**

20 Income tax

	December 31, 2021	**December 31, 2020**
	$	**$**
Current tax (note 20 a)	-	-
Deferred tax charge/(reversal)	(3,281,861)	916,744
	(3,281,861)	**916,744**

a) The Group does not owe any current tax for the year.

b) The differences between the income tax provisions calculated using statutory rates and the reported income tax provision are as follows:

	December 31, 2021	**December 31, 2020**
	$	**$**
Net profit/(loss) before tax	(10,091,405)	4,770,063
Federal and provincial statutory rates	23%	24.00%
Expected income tax expense	(2,321,023)	1,144,815
Foreign tax rate differential	(1,622,672)	871,799
Non-deductible payments and provisions	20,456	5,318
Depletion allowance	(683,837)	(749,679)
Change in asset not recognised	1,325,215	(355,509)
	(3,281,861)	**916,744**

c) The analysis of deferred tax assets and deferred tax liabilities is as follows:

	December 31, 2021	**December 31, 2020**
	$	**$**
Deferred tax asset:		
Deferred tax asset to be settled after more than 12 months	-	-
Deferred tax asset to be settled within 12 months	43,463	266,001
	43,463	**266,001**
Deferred tax liability:		
Deferred tax liability to be settled after more than 12 months	60,087	3,358,629
Deferred tax liability to be settled within 12 months	90,131	295,988
	150,218	**3,654,617**
Deferred tax liability - net	**106,755**	**3,388,616**

d) The net movement on the deferred tax liability is as follows:

	December 31, 2021	**December 31, 2020**
	$	**$**
Balance at beginning of the year	3,388,616	2,471,872
Recognised in earnings	(3,281,861)	916,744
Balance at end of the year	**106,755**	**3,388,616**

(expressed in US dollars)

e) The balance of deferred tax liability is in respect of the following temporary difference:

	December 31, 2021 $	December 31, 2020 $
Taxable temporary differences		
Property, plant and equipment	-	3,279,647
Exploration and evaluation assets	449,004	374,970
Taxable temporary differences	**449,004**	**3,654,617**
Deductible temporary differences		
Property, plant and equipment	(298,786)	-
Deferred tax asset on carried forward tax losses	(43,463)	(266,001)
Net deferred tax liability	**106,755**	**3,388,616**

f) As at December 31, 2021, the Group has consolidated non-capital tax losses of $18.31 million, expiring between 2023 and 2041, which can be used to reduce income taxes otherwise payable in Canada and Pakistan. The entity-wise breakup of tax losses and their expiry as at December 31, 2021 is as follows:

	$	Expiry
Jura Energy Corporation	17,131,739	2031 to 2041
Spud Energy Pty Limited - Pakistan branch	175,611	2023
Frontier Holdings Limited - Pakistan branch	998,011	2031
	18,305,361	

A deferred tax asset has not been recognized for the tax losses of Jura Energy Corporation and Frontier Holdings Limited – Pakistan branch as the Group cannot demonstrate that it is probable that these losses will be realized to reduce or eliminate taxes on taxable income in Canada and Pakistan in future years.

21 Earnings/(loss) per share

	December 31, 2021 $	December 31, 2020 $
Net profit/(loss) for the year	(6,809,544)	3,853,319
Weighted average number of outstanding shares		
- Basic	69,076,328	69,076,328
- Diluted	70,737,486	70,737,486
Basic earnings/(loss) per share	(0.10)	0.06
Diluted earnings/(loss) per share	(0.10)	0.05

For the years ended December 31, 2021 and 2020, 180,096 stock options under shareholder loans were excluded from the calculation of diluted shares as they would be anti-dilutive.

22 Financial risk management

Financial risk factors

The Group's activities expose it to a variety of financial risks: market risk (including currency risk, fair value interest rate risk, cash flow interest rate risk and price risk), credit risk and liquidity risk. The Group's overall risk management program focuses on the unpredictability of financial markets and seeks to minimize potential adverse effects on the Group's financial performance.

(expressed in US dollars)

Risk management is carried out by the Board. The Board provides risk management guidance covering specific areas such as foreign exchange risk, interest rate risk, credit risk and investment of excess liquidity.

Market risk

i) Currency risk

Currency risk is the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in foreign exchange rates. Currency risk arises mainly from future commercial transactions or receivables and payables that exist due to transactions in foreign currencies. The Group is exposed to currency risk arising from various currency exposures, primarily with respect to the Pakistan Rupee (PKR) and Canadian Dollar (CAD). Currently, the Group's foreign exchange risk exposure is restricted to the amounts receivable/payable in foreign currency. The Group's exposure to currency risk is as follows:

	December 31, 2021	**December 31, 2020**
PKR	**$**	**$**
Bank balances	1,605,246	605,798
Accounts and other receivables	1,359,718	1,762,782
Accounts payable and accrued liabilities	(11,458,515)	(9,357,194)
Amounts due to related parties	(2,435,566)	(3,968,181)
Borrowings	(9,113,121)	(12,316,816)
Net exposure	**(20,042,238)**	**(23,273,611)**
CAD		
Bank balances	-	320
Accounts and other receivables	22,183	9,233
Accounts payable and accrued liabilities	(27,681)	(2,135)
Net exposure	**(5,498)**	**7,418**

The following significant exchange rates were applied during the year:

PKR per USD		
Average rate	161.66	162.03
Reporting date rate	177.77	160.55
CAD per USD		
Average rate	1.25	1.34
Reporting date rate	1.27	1.27

If the functional currency, at the reporting date, had fluctuated by 5% against the PKR and CAD with all other variables held constant, the impact on comprehensive income/(loss) for the year would have been $1,002,387 (2020: $1,163,310) respectively lower/higher, mainly as a result of exchange gains/losses on translation of foreign exchange denominated financial instruments. Currency risk sensitivity to foreign exchange movements has been calculated on a symmetric basis.

ii) Other price risk

Other price risk represents the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market prices (other than those arising from interest rate risk or currency risk), whether those changes are caused by factors specific to the individual financial instrument or its issuer, or factors affecting all similar financial instruments traded in the market. The Group does not have any financial instrument exposed to other price risk.

(expressed in US dollars)

iii) Interest rate risk

Interest rate risk represents the risk that the fair value or future cash flows of a financial instrument will fluctuate because of changes in market interest rates. At the date of the statement of financial position, the interest rate profile of the Group's interest-bearing financial instruments is:

	December 31, 2021 $	**December 31, 2020 $**
Fixed rate instruments		
- Amounts due to related parties	143,184	7,489,109
Floating rate instruments		
- Borrowings	9,113,121	12,316,816
- Amounts due to related parties	2,435,566	3,968,181

Fair value sensitivity analysis for fixed rate instruments

If the interest rate, at the reporting date, had fluctuated by 1% with all other variables held constant, the impact on comprehensive income/(loss) for the year would have been $115,487 (2020: $162,850) respectively lower/higher, mainly as a result of interest on floating rate financial instruments. Interest rate risk sensitivity to foreign exchange movements has been calculated on a symmetric basis.

iv) Credit risk

Credit risk represents the risk that one party to a financial instrument will cause a financial loss for the other party, by failing to discharge an obligation. The maximum exposure to credit risk at the reporting date is as follows:

	December 31, 2021 $	**December 31, 2020 $**
Cash at bank	4,552,282	2,626,455
Restricted cash	2,517,924	512,325
Accounts and other receivables	8,874,418	12,162,705
	15,944,624	**15,301,485**

The credit risk on liquid funds is limited because the counterparties are banks with reasonably high credit ratings. In case of trade receivables, the Group believes that it is not exposed to major concentrations of credit risk, due to the high credit worthiness of corresponding parties. The credit quality of bank balances and restricted cash, that are neither past due nor impaired, can be assessed by reference to external credit ratings (if available) or to historical information about the counterparty default rate:

	Rating agency	**Credit rating**	**2021 $**	**2020 $**
Royal Bank of Canada	Moody's[1]	Aa2	-	909,254
Meezan Bank Limited	VIS[2]	AA+	484	519
Bank Alfalah Limited	VIS	AA+	563	574
Askari Bank Limited	PACRA[3]	AA+	6,263,506	596,843
JS Bank Limited	PACRA	AA-	2,470	4,554
Silk Bank Limited	VIS	A-	5	5
Al Baraka Bank (Pakistan) Limited	VIS	A+	803,178	1,627,031
			7,070,206	**3,138,780**

[1] Moody's Investors Service
[2] VIS Credit Rating Company
[3] The Pakistan Credit Rating Agency Limited

(expressed in US dollars)

Due to the Group's long-standing business relationships with these counterparties, and after giving due consideration to their strong financial standing, management does not expect non-performance by these counterparties on their obligations to the Group. Accordingly, the credit risk is minimal.

The majority of the Group's trade receivables relate to the sale of natural gas to Sui Southern Gas Company Limited ("SSGCL"), a Pakistan state-owned gas transmission company. At December 31, 2021 94.53% (2020: 96.87%) of the Group's trade receivables were for gas sales to SSGCL. While determining whether amounts that are past due are collectible, the management assesses the creditworthiness and past payment history of the counterparty, as well as the nature of the past due amount. JEC considers all amounts greater than 90 days to be past due, at which point significant increase in credit risk exists. The lifetime expected credit loss allowances related to the Group's accounts and other receivables was nominal as at and for the years ended December 31, 2021 and 2020. As of December 31, 2021, trade receivables of $51,911 (2020: $1,037,177) were past due but not impaired. The aging analysis of these trade receivables is as follows:

	December 31, 2021 $	December 31, 2020 $
Up to 3 months	6,865,059	7,539,371
3 to 6 months	51,911	1,033,493
Above 6 months	-	3,684
	6,916,970	**8,576,548**

v) Liquidity risk

Liquidity risk is the risk that an entity will encounter difficulty in meeting obligations associated with financial liabilities. The Group follows an effective cash management and planning process to ensure availability of funds and to take appropriate measures for new requirements. The following are contractual maturities of financial liabilities as at December 31, 2021 and 2020:

	Less than 6 months	6-12 months	Between 1 and 2 years	Between 2 and 5 years	Over 5 years	Total contractual cash flows	Carrying amount
At December 31, 2021	$	$	$	$	$	$	$
Accounts payable and accrued liabilities	16,651,801	-	-	-		16,651,801	16,651,801
Amounts due to related parties	123,730	2,497,431	158,934	-	-	2,780,095	2,578,750
Borrowings	3,825,178	3,473,199	3,121,483	725,415	-	11,145,275	9,113,121
	20,600,709	**5,970,630**	**3,280,417**	**725,415**	**-**	**30,577,171**	**28,343,672**
At December 31, 2020							
Accounts payable and accrued liabilities	14,487,980	-	-	-	-	14,487,980	14,487,980
Amounts due to related parties	4,143,607	-	8,312,911	-	-	12,456,518	11,457,290
Borrowings	1,394,633	2,111,195	3,992,037	7,865,540	-	15,363,405	12,316,816
	20,026,220	**2,111,195**	**12,304,948**	**7,865,540**	**-**	**42,307,903**	**38,262,086**

There is a material uncertainity about the Group's ability to continue as going concern, see note 2 (ii) for details regarding the going concern assumption.

Fair value of financial assets and liabilities

The fair value of financial assets and liabilities is determined using different levels defined as follows:

- Quoted prices (unadjusted) in active markets for identical assets or liabilities (Level 1).
- Inputs other than quoted prices included within level 1 that are observable for the asset or liability, either directly (that is, as prices) or indirectly (that is, derived from prices) (Level 2).
- Inputs for the asset or liability that are not based on observable market data (that is unobservable inputs) (Level 3).

(expressed in US dollars)

The fair value of cash and cash equivalents, restricted cash, accounts and other receivables and accounts payable and accrued liabilities approximate their carrying amount due to the short-term nature of the instruments. The fair value of the borrowings and amount and amounts due to related parties approximates their carrying value as the interest rates charged on these balances are comparable to current market rates.

Financial instruments by category	**Amortized cost**	
	December 31, 2021	**December 31, 2020**
Financial assets	**$**	**$**
Cash and cash equivalents	4,552,282	2,626,455
Restricted cash	2,517,924	512,325
Accounts and other receivables	8,874,418	12,162,705
	15,944,624	**15,301,485**
Financial liabilities		
Accounts payable and accrued liabilities	16,651,801	14,487,980
Amounts due to related parties	2,578,750	11,457,290
Borrowings	9,113,121	12,316,816
	28,343,672	**38,262,086**

Capital risk management

The Board's policy is to maintain an efficient capital base so as to maintain investor, creditor and market confidence, and sustain the future development of the Group's business. The Board monitors the return on capital employed, which the Group defines as operating income divided by total capital employed.

The Group's objectives when managing capital are:

i) to safeguard the entity's ability to continue as a going concern, so that it can continue to provide returns for shareholders and benefits for other stakeholders; and
ii) to provide an adequate return to shareholders.

The Group manages the capital structure in the context of economic conditions and the risk characteristics of the underlying assets. In order to maintain or adjust the capital structure, the Group may issue new shares or sell assets to reduce debt obligations.

For working capital and capital expenditure requirements, the Group primarily relies on internal cash generation, financial support of its lenders and the parent company.

23 Transactions with related parties

The related parties include its majority shareholder, JSEL. Amounts due from/(to) related parties have been disclosed under respective receivable and payable balances. Related parties and their relationship with the Holding Company are as follows:

Majority Shareholder

- JS Energy Limited

Wholly owned subsidiaries

- Spud Energy Pty Limited
- PetExPro Ltd.
- Frontier Oil and Gas Holdings Limited
- Frontier Holdings Limited
- 4515226 Canada Inc.
- 1428112 Alberta Ltd.
- Onni Wilson Avenue Development Limited Partnership
- Onni Elmbridge Development Limited Partnership
- Onni The Point Development Limited Partnership

(expressed in US dollars)

- Onni IOCO Road One Development Limited

Associated entity

- JS Bank Limited
- JS Investment Consultancy FZE
- JS North Asia Investments Limited
- Konnect Gas (Private) Limited

Key management personnel

Key management personnel are those having authority and responsibility for planning, directing and controlling the activities of the Group, directly or indirectly, including any directors (whether executive or otherwise) of the Group. The Group's key management includes its Chief Executive Officer, Chief Financial Officer and its directors.

Transactions with related parties other than those which have been disclosed elsewhere in the financial statements are:

	December 31, 2021 $	December 31, 2020 $
JSEL – majority shareholder		
Bridge loan		
Balance payable at beginning of the year	7,489,109	11,945,956
Interest accrued during the year	354,075	1,170,610
Principal repaid during the year	(7,350,270)	(932,796)
Interest paid during the year	(349,730)	(4,694,661)
Balance payable at end of the year	143,184	7,489,109
Short term loan		
Balance payable at beginning of the year	-	822,739
Interest accrued during the year	-	9,804
Principal repaid during the year	-	(820,607)
Interest paid during the year	-	(11,936)
Balance payable at end of the year	-	-
JSBL – associated company		
AKBL Syndicated term finance facilities		
Balance payable at beginning of the year	3,385,343	-
Loan received during the year	-	3,367,645
Interest accrued during the year	350,875	361,134
Principal repaid during the year	(642,971)	-
Interest paid during the year	(322,270)	(274,328)
Exchange gain on retranslation	(264,938)	(69,108)
Balance payable at end of the year	2,506,039	3,385,343
Running finance facilities		
Balance payable at beginning of the year	3,968,181	-
Facility utilized/(settled) during the year	(1,189,381)	3,815,722
Interest accrued during the year	350,520	185,773
Interest paid during the year	(350,447)	(66,595)
Exchange loss on retranslation	(343,308)	33,281
Balance payable at end of the year	2,435,566	3,968,181

(expressed in US dollars)

	December 31, 2021	December 31, 2020
ABPL Syndicated credit facilities	**$**	**$**
Balance payable at beginning of the year	-	1,578,859
Interest accrued during the year	-	38,810
Principal repaid during the year	-	(1,552,046)
Interest paid during the year	-	(64,702)
Exchange gain on retranslation	-	(921)
Balance payable at end of the year	-	-
Term finance facilities		
Balance payable at beginning of the year	-	1,852,383
Interest accrued during the year	-	49,877
Principal repaid during the year	-	(1,822,783)
Interest paid during the year	-	(78,970)
Exchange gain on retranslation	-	(507)
Balance payable at end of the year	-	-
Key Management Compensation		
Management salaries and benefits	565,724	557,700
Directors' fees and compensation	248,018	88,784
	813,742	646,484

24 Principal subsidiaries

The Holding Company had the following subsidiaries at December 31, 2021:

Name	Country of incorporation/place of business	Nature of business	Proportion of ordinary shares directly held by parent (%)
Jura Energy Corporation	Canada	Holding company	N/A
Spud Energy Pty Limited	Australia/ Pakistan	Oil and gas exploration and production company	100
Frontier Oil and Gas Holdings Limited	Mauritius	Investment holding company	100
PetExPro Ltd.	Bermuda	Intermediate holding company	100
Frontier Holdings Limited	Bermuda/ Pakistan	Oil and gas exploration and production company	100

25 Operating segment information

Management has determined the operating segments based on the information that is presented to the Holding Company's board of directors for allocation of resources and assessment of performance. The Group is organized into two operating segments based on geography, namely oil and gas operations in Pakistan ("Pakistan") and corporate activities in Canada ("Canada").

The Pakistan segment derives its revenue primarily from the sale of petroleum products in Pakistan. During the year ended December 31, 2021, the Pakistan segment had two main customers, Sui Southern Gas Company Limited ("SSGCL") and Engro Fertilizers Limited ("EFL") to whom all the gas from (i) Zarghun South, Ayesha, Aminah and Ayesha North and (ii) Reti, Maru, Maru South, Maru East, Khamiso and Umair is sold respectively. SSGCL is a state-owned entity and EFL is a large publicly-listed company. Percentage breakup of customer wise sales for the year ended December 31, 2021 and 2020 and trade receivables at December 31, 2021 and 2020 are as follows:

(expressed in US dollars)

	December 31, 2021	December 31, 2020
Net sales		
EFL	5%	6%
SSGCL	92%	93%
Others	3%	1%
Trade receivables		
EFL	2%	2%
SSGCL	95%	97%
Others	3%	1%

The Canada segment does not have any revenue generating operations. The Holding Company's board of directors monitors the results of the above-mentioned segments for the purpose of making decisions about the resources to be allocated and for assessing performance based on historical results and the purpose of their existence. The segment information for the reportable segments is as follows:

	For the year ended December 31, 2021		
	Canada	**Pakistan**	**Consolidated**
		$	
Net revenue	-	20,953,932	20,953,932
Cost of production	-	(13,035,294)	(13,035,294)
Gross profit	**-**	**7,918,638**	**7,918,638**
General and administrative expenses	(537,720)	(3,090,393)	(3,628,113)
Impairment of oil and gas properties		(14,395,709)	(14,395,709)
Exploration and evaluation costs written off	-	(6,848)	(6,848)
Other income	-	120,000	120,000
Operating profit/(loss)	**(537,720)**	**(9,454,312)**	**(9,992,032)**
Exchange gain/(loss) - net	(8,557)	1,927,167	1,918,610
Finance costs	-	(2,017,983)	(2,017,983)
Net profit/(loss) for the year before tax	**(546,277)**	**(9,545,128)**	**(10,091,405)**
Income tax	-	3,281,861	3,281,861
Net profit/(loss) for the year after tax	**(546,277)**	**(6,263,267)**	**(6,809,544)**
Capital expenditure incurred during the year			
Property, plant and equipment	-	2,632,276	2,632,276
Exploration and evaluation assets	-	487,565	487,565
Segment assets	30,717	43,414,859	43,445,576
Segment liabilities	353,645	31,914,734	32,268,379

	For the year ended December 31, 2020		
	Canada	**Pakistan**	**Consolidated**
		$	
Net revenue	-	18,741,498	18,741,498
Cost of production	-	(7,559,055)	(7,559,055)
Gross profit	**-**	**11,182,443**	**11,182,443**
General and administrative expenses	(355,548)	(2,404,216)	(2,759,764)
Impairment of oil and gas properties	-	(750,000)	(750,000)
Exploration and evaluation costs written off	-	(6,866)	(6,866)
Other income	12,891	6,402	19,293
Operating profit/(loss)	**(342,657)**	**8,027,763**	**7,685,106**
Exchange gain/(loss) - net	(18,791)	363,251	344,460
Finance costs	(317,234)	(2,942,269)	(3,259,503)
Net profit/(loss) for the year before tax	**(678,682)**	**5,448,745**	**4,770,063**

(expressed in US dollars)

Income tax	-	(916,744)	(916,744)
Net profit/(loss) for the year after tax	**(678,682)**	**4,532,001**	**3,853,319**
Capital expenditure incurred during the year			
Property, plant and equipment	-	4,035,426	4,035,426
Exploration and evaluation assets	-	808,019	808,019
Segment assets	923,330	62,983,751	63,907,081
Segment liabilities	294,532	45,714,745	46,009,277