Equity instruments included within the FVTPL category are measured at fair value with all changes recognised in the Statement of Profit and Loss.

(iii) Impairment of financial assets

a) Subsequent to initial recognition, the Company recognises expected credit loss (ECL) on financial assets measured at amortised cost as required under Ind AS 109 'Financial Instruments'. ECL on such financial assets, other than loan assets, is measured at an amount equal to life time expected losses. The Company presents the ECL charge or reversal (where the net amount is a negative balance for a particular period) in the Statement of Profit and Loss as "Impairment on financial instruments"

The impairment requirements for the recognition and measurement of ECL are equally applied to Loan asset at FVTOCI except that ECL is recognised in Other Comprehensive Income and is not reduced from the carrying amount in the Balance Sheet.

b) Impairment of Loan Assets and commitments under Letter of Comfort (LoC):

The Company measures ECL on loan assets at an amount equal to the lifetime ECL if there is credit impairment or there has been significant increase in credit risk (SICR) since initial recognition. If there is no SICR as compared to initial recognition, the Company measures ECL at an amount equal to 12-month ECL. When making the assessment of whether there has been a SICR since initial recognition, the Company considers reasonable and supportable information, that is available without undue cost or effort. If the Company measured loss allowance as lifetime ECL in the previous period, but determines in a subsequent period that there has been no SICR since initial recognition due to improvement in credit quality, the Company again measures the loss allowance based on 12-month ECL.

ECL is measured on individual basis for credit impaired loan assets, and on other loan assets it is generally measured on collective basis using homogenous groups.

The Company measures impairment on commitments under LoC on similar basis as in case of Loan assets.

c) The impairment losses and reversals are recognised in Statement of Profit and Loss.

(iv) De-recognition of financial assets

The Company derecognises a financial asset when the contractual rights to the cash flows from the asset expire, or when it transfers the financial asset and substantially all the risks and rewards of ownership of the asset to another party.

On de-recognition of a financial asset in its entirety, the difference between the asset's carrying amount and the sum of the consideration received & receivable, and the cumulative gain or loss that had been recognised in Other Comprehensive Income and accumulated in Equity, is recognised in Statement of Profit and Loss if such gain or loss would have otherwise been recognised in Statement of Profit and Loss on disposal of that financial asset.

3.4.2 Financial liabilities

(i) All financial liabilities other than derivatives and financial guarantee contracts are subsequently measured at amortised cost using the effective interest rate (EIR) method.

EIR is determined at the initial recognition of the financial liability. EIR is subsequently updated for financial liabilities having floating interest rate, at the respective reset date, in accordance with the terms of the respective contract.

(ii) Financial guarantee

A financial guarantee issued by the Company is initially measured at fair value and, if not designated as at FVTPL, is subsequently measured at the higher of:

- the best estimate of expenditure required to settle any financial obligation arising as a result of the guarantee; and
- the amount initially recognised less, when appropriate, the cumulative amount of income recognised in the Statement of Profit and Loss.

(iii) De-recognition of financial liabilities

The Company derecognises financial liabilities when, and only when, the Company's obligations are discharged, cancelled or have expired. The difference between the carrying amount of the financial liability derecognised and the consideration paid & payable is recognised in Statement of Profit and Loss.

3.5 Investment in Subsidiaries, Joint Ventures and Associates

Investment in equity shares of subsidiaries, joint ventures and associates are accounted at cost.

3.6 Property, Plant and Equipment (PPE) and Depreciation

(i) Items of PPE are initially recognised at cost. Subsequent measurement is done at cost less accumulated depreciation and accumulated impairment losses, if any, except for freehold land which is not depreciated. An item of PPE retired from active use and held for disposal is stated at lower of its book value or net realizable value.

(ii) In case of assets put to use, capitalisation is done on the basis of bills approved or estimated value of work done as per contracts where final bill(s) is/are yet to be received / approved subject to necessary adjustment in the year of final settlement.

(iii) Cost of replacing part of an item of PPE is recognized in the carrying amount of the item if it is probable that the future economic benefits embodied within the part will flow to the Company and its cost can be measured reliably. The carrying amount of the replaced part is derecognized. Maintenance or servicing costs of PPE are recognized in Statement of Profit and Loss as incurred.

(iv) Under-construction PPE is carried at cost, less any recognised impairment loss. Such PPE items are classified to the appropriate categories of property, plant and equipment when completed and ready for intended use. Depreciation of these assets, on the same basis as of other assets, commences when the assets are ready for their intended use.

(v) Depreciation is recognised so as to write-off the cost of assets less their residual values as per written down value method, over the estimated useful lives that are similar to as prescribed in Schedule II to the Companies Act, 2013, except for cell phones where useful life has been estimated by the Company as 2 years. Residual value is estimated as 5% of the original cost of PPE.

(vi) Depreciation on additions to/deductions from PPE during the year is charged on pro-rata basis from/up to the month in which the asset is available for use/disposed.

(vii) An item of PPE is derecognised upon disposal or when no future economic benefits are expected to arise from the continued use of the asset. Any gain or loss arising on the de-recognition of an item of PPE is determined as the difference between the net disposal proceeds and the carrying amount of the asset and is recognised in the Statement of Profit and Loss.

(viii) Items of PPE costing up to ₹ 5000/- each are fully depreciated, in the year of purchase.

3.7 Intangible assets and Amortisation

(i) Intangible assets with finite useful lives that are acquired separately are recognised at cost. Cost includes any directly attributable incidental expenses necessary to make the assets ready for its intended use. Subsequent measurement is done at cost less accumulated amortisation and accumulated impairment losses, if any. Amortisation is recognised on a straight-line basis over their estimated useful lives.

(ii) Expenditure incurred which are eligible for capitalisation under intangible assets is carried as intangible assets under development till they are ready for their intended use.

(iii) Estimated useful life of intangible assets with finite useful lives has been estimated by the Company as 5 years.

(iv) An intangible asset is derecognised on disposal, or when no future economic benefits are expected from use or disposal. Gains or losses arising from de-recognition of an intangible asset, measured as the difference between the net disposal proceeds and the carrying amount of the asset are recognised in the Statement of Profit and Loss when the asset is derecognised.

3.8 Provisions and Contingent Liabilities

(i) Provisions are recognised when the Company has a present legal or constructive obligation as a result of a past event, if it is probable that the Company will be required to settle the obligation and a reliable estimate can be made of the amount of the obligation.

(ii) The amount recognised as a provision is the best estimate of the consideration required to settle the present obligation at the end of the reporting period, taking into account the risks and uncertainties surrounding the obligation.

(iii) When some or all of the economic benefits required to settle a provision are expected to be recovered from a third party, a receivable is recognised as an asset if it is virtually certain that reimbursement will be received and the amount of the receivable can be measured reliably.

(iv) Where it is not probable that an outflow of economic benefits will be required or the amount cannot be estimated reliably, the obligation is disclosed as contingent liability in notes to accounts, unless the probability of outflow of economic benefits is remote.

3.9 Recognition of Income and Expenditure

(i) Interest income, on financial assets subsequently measured at amortized cost, is recognized using the Effective Interest Rate (EIR) method. The Effective Interest Rate (EIR) is the rate that exactly discounts estimated future cash receipts through expected life of the financial asset to that asset's net carrying amount on initial recognition.

(ii) Interest on financial assets subsequently measured at fair value through profit and loss, is recognized on accrual basis in accordance with the terms of the respective contract.

(iii) Rebate on account of timely payment of interest by borrowers is recognized on receipt of entire interest amount due in time, in accordance with the terms of the respective contract and is netted against the corresponding interest income.

(iv) Income from services rendered is recognized based on the terms of agreements / arrangements with reference to the stage of completion of contract at the reporting date.

(v) Dividend income from investments is recognized in Statement of Profit and Loss when the Company's right to receive dividend is established, which in the case of quoted securities is the ex-dividend date.

(vi) Interest expense on borrowings subsequently measured at amortized cost is recognized using Effective Interest Rate (EIR) method.

(vii) Other income and expenses are accounted on accrual basis, in accordance with terms of the respective contract.

(viii) A Prepaid expense up to ₹ 1,00,000/- is recognized as expense upon initial recognition.

3.10 Expenditure on issue of shares

Expenditure on issue of shares is charged to the securities premium account.

3.11 Employee benefits

(i) Defined Contribution Plan

Company's contribution paid / payable during the reporting period towards provident fund and pension are charged in the Statement of Profit and Loss when employees have rendered service entitling them to the contributions.

(ii) Defined Benefit Plan

The Company's obligation towards gratuity to employees and post-retirement benefits such as medical benefit, economic rehabilitation benefit, and settlement allowance after retirement are determined using the projected unit credit method, with actuarial valuations being carried out at the end of each annual reporting period. Actuarial gain / loss on re-measurement of gratuity and other post-employment defined benefit plans is recognized in Other Comprehensive Income (OCI). Past service cost is recognized in the Statement of Profit and Loss in the period of a plan amendment.

(iii) Other long term employee benefits

The Company's obligation towards leave encashment, service award scheme is determined using the projected unit credit method, with actuarial valuations being carried out at the end of each annual reporting period. These obligations are recognised in the Statement of Profit and Loss.

(iv) Short term employee benefits

Short term employee benefits such as salaries and wages are recognised in the Statement of Profit and Loss, in the period in which the related service is rendered at the undiscounted amount of the benefits expected to be paid in exchange for that service.

(v) Loan to employees at concessional rate

Loans given to employees at concessional rate are initially recognized at fair value and subsequently measured at amortised cost. The difference between the initial fair value of such loans and transaction value is recognised as deferred employee cost upon issuance of Loan, which is amortised on a straight-line basis over the expected remaining period of the Loan. In case of change in expected remaining period of the Loan, the unamortised deferred employee cost on the date of change is amortised over the updated expected remaining period of the Loan on a prospective basis.

3.12 Income Taxes

Income Tax expense comprises of current and deferred tax. It is recognised in Statement of Profit and Loss, except when it relates to an item that is recognised in OCI or directly in equity, in which case, tax is also recognised in OCI or directly in equity.

(i) Current Tax

Current tax is the expected tax payable on taxable income for the year, using tax rates enacted or substantively enacted and as applicable at the reporting date, and any adjustments to tax payable in respect of Previous Years.

Current tax assets and liabilities are offset when there is a legally enforceable right to set off the recognised amounts and there is an intention to settle the asset and liability on a net basis.

(ii) Deferred Tax

Deferred tax is recognised on temporary differences between the carrying amounts of assets and liabilities in the financial statements and the corresponding tax bases used in the computation of taxable income. Deferred tax is measured at the tax rates based on the laws that have been enacted or substantively enacted by the reporting date, based on the expected manner of realisation or settlement of the carrying amount of assets / liabilities. Deferred tax assets and liabilities are offset when there is a legally enforceable right to set off current tax assets against liabilities, and they relate to income taxes levied by the same tax authority.

A deferred tax liability is recognised for all taxable temporary differences. A deferred tax asset is recognized for all deductible temporary differences to the extent that it is probable that future taxable profits will be available against which the deductible temporary difference can be utilized. Deferred tax assets are reviewed at each reporting date and are reduced to the extent that it is no longer probable that the related tax benefit will be realized.

(iii) Additional Income Tax that arises from distribution of dividend is recognized at the same time when the liability to pay dividend is recognized.

3.13 Leasing

(i) Amount due from lessee under finance leases is recognised as receivable at an amount equal to the net investment of the Company in the lease. Finance income on the lease is allocated to accounting periods so as to reflect a constant periodic rate of return on the Company's net investment outstanding in respect of lease at the reporting date.

(ii) Payments and receipts under operating leases are recognised as expense and income respectively, on straight-line basis over the term of the lease.

(iii) Land under non-perpetual lease is treated as an operating lease. Lease premium paid initially is amortised on a straight-line basis over the term of the lease.

3.14 Foreign Currency Transactions and Translations

The functional currency of the Company is Indian Rupees. Foreign currency transactions are translated into the functional currency using exchange rates at the date of the transaction.

At the end of each reporting period, monetary items denominated in foreign currency are translated using exchange rates prevailing on the last day of the reporting period. Exchange differences on monetary items are recognised in the Statement of Profit and Loss in the period in which they arise. However, for the long-term monetary items recognised in the financial statements before 1 April 2018, such exchange differences are accumulated in a “Foreign Currency Monetary Item Translation Difference Account” and amortized over the balance period of such long term monetary item.

3.15 Business Combination under Common Control

A business combination involving entities or businesses under common control is a business combination in which all of the combining entities or businesses are ultimately controlled by the same party or parties both before and after the business combination and that control is not transitory.

Business combinations involving entities or businesses under common control are accounted for using the pooling of interest method as follows:

- The assets and liabilities of the combining entities are reflected at their carrying amounts.
- No adjustments are made to reflect fair values, or recognize new assets or liabilities. Adjustments are made only to harmonize significant accounting policies.
- The financial information in the financial statements in respect of prior periods is restated as if the business combination has occurred from the beginning of the preceding period in the financial statements, irrespective of the actual date of the combination.

The balance of the retained earnings appearing in the financial statements of the transferor is aggregated with

the corresponding balance appearing in the financial statements of the transferee. The identity of the reserves is preserved and the reserves of the transferor become the reserves of the transferee.

The difference, if any, between the amounts recorded as share capital issued plus any additional consideration in the form of cash or other assets and the amount of share capital of the transferor is transferred to capital reserve and is presented separately from other capital reserves.

3.16 Material prior period errors

Material prior period errors are corrected retrospectively by restating the comparative amounts for the prior periods presented in which the error occurred. If the error occurred before the earliest period presented, the opening balances of assets, liabilities and equity for the earliest period presented, are restated.

3.17 Dividends

Final dividends are recorded as a liability on the date of approval by the shareholders and interim dividends are recorded as a liability on the date of declaration by the Board of Directors of the Company.

3.18 Earnings per share

Basic earnings per equity share is calculated by dividing the net profit or loss attributable to equity shareholders of the company by the weighted average number of equity shares outstanding during the financial year.

To calculate diluted earnings per share, the net profit or loss for the period attributable to equity shareholders and the weighted average number of shares outstanding during the period are adjusted for the effects of all dilutive potential equity shares.

4. First-time adoption – mandatory exceptions and optional exemptions

The Standalone Financial Statements have been prepared in accordance the Ind AS applicable as at 31.03.2019. These accounting and measurement principles have been applied retrospectively to the date of transition to Ind AS and for all periods presented.

However for certain cases, Ind AS 101 provides for mandatory exceptions and optional exemptions to the general principles of retrospective application of Ind AS. The Company has made use of the following exceptions and exemptions in preparing its Ind AS opening Standalone Balance Sheet:

4.1 Mandatory Exceptions

(i) Classification & Measurement of Financial Assets

The Company has determined the classification of financial assets in terms of whether they meet the amortized cost criteria or fair value criteria based on the facts and circumstances that existed as on the transition date.

(ii) Impairment of financial assets

The Company has applied the impairment requirements of Ind AS 109. As permitted by Ind AS 101, it has used reasonable and supportable information that is available without undue cost or effort, in order to determine the impairment loss allowance as at transition date.

(iii) De-recognition of financial assets and liabilities

The Company has applied the de-recognition requirements of financial assets and financial liabilities prospectively for transactions occurring on or after 01.04.2017 (the transition date).

(iv) Estimates

Ind AS estimates as at 01.04.2017 are consistent with the estimates as at the same date made in conformity with Previous GAAP (after adjustments to reflect any difference in accounting policies. The Company made estimates for impairment of financial assets based on expected credit loss model in accordance with Ind AS at the date of transition as these were not required under Previous GAAP.

4.2 Optional exemptions

(i) Equity investments at FVTOCI

The Company has elected to apply the exemption of designating investment in equity shares (other than investment in subsidiaries, joint ventures and associates) and units of 'Small is Beautiful Fund' at FVTOCI on the basis of facts and circumstances that existed at the transition date.

(ii) Amortisation of Exchange Differences on Existing Long Term Foreign Currency Monetary Items (LTFCMI)

The Company has availed the exemption to continue the policy as per the previous GAAP with respect to

amortization of the exchange differences arising from translation of long-term foreign currency monetary items recognised in the standalone financial statements up to 31.03.2018.

(iii) Past business combination

The Company has elected not to apply Ind AS 103 'Business Combinations' retrospectively on past business combinations that occurred before the transition date.

(iv) Investments in subsidiaries, joint ventures and associates

The Company has availed the exemption to continue with the carrying value of all its investments in subsidiaries, joint ventures and associates as per previous GAAP as their deemed cost as at the transition date.

5. Use of Estimates and Management Judgement

In preparation of the standalone financial statements, the Management is required to make judgments, estimates and assumptions about the carrying amounts of assets and liabilities including contingent liabilities that are not readily apparent from other sources. The estimates and underlying assumptions are based on historical experience & other relevant factors and are reviewed on an ongoing basis. Actual results may differ from these estimates.

Changes in accounting estimates, if any, are recognized in the period in which the estimate is revised if the revision affects only that period or in the period of the revision and future periods if it affects both current and future periods.

In order to enhance understanding of the standalone financial statements, information about significant areas of estimation, uncertainty and critical judgments in applying accounting policies that have the most significant effect on the amounts recognised in the standalone financial statements, are as under:

(i) Impairment test of Financial Assets (Expected Credit Loss)

The measurement of impairment loss allowance for financial asset measured at amortised cost requires use of statistical models, significant assumptions about future economic conditions and credit behaviour (e.g. likelihood of borrowers defaulting and resulting losses).

In estimating the cash flows expected to be recovered from credit impaired loans, the Company makes judgements about the borrower's financial situation, current status of the project, net realisable value of securities/ collateral etc. As these estimates are based on various assumptions, actual results may vary leading to changes to the impairment loss allowance.

Further, judgement is also made in identifying the default and significant increase in credit risk (SICR) on financial assets as well as for homogeneous grouping of similar financial assets. Impairment assessment also takes into account the data from the loan portfolio, levels of arrears and an analysis of historical defaults.

Refer Note 32.2.1 below for further details.

(ii) Non recognition of income on Credit Impaired Loans

As a matter of prudence, income on credit impaired loans is recognised as and when received and / or on accrual basis when expected realization is higher than the loan amount outstanding.

(iii) Fair value measurement

Fair value of financial instruments is required to be estimated for financial reporting purposes. The Company applies appropriate valuation techniques and inputs for fair value measurements. In estimating the fair value of an asset or a liability, the Company uses quoted prices and market-observable data to the extent it is available. In case of non-availability of the same, unobservable inputs are used for calculation of fair value of the assets/ liabilities. The information about the valuation techniques and inputs used in determination of fair value of various assets and liabilities is disclosed at Note 32.4 below.

(iv) Income Taxes

Estimates are involved in determining the provision for income taxes, including amount expected to be paid / recovered for uncertain tax positions. Judgements are made in respect of expected future profitability to assess deferred tax asset.

(v) Deferred tax Liability on Special reserve

The Company has passed a Board resolution that it has no intention to make withdrawal from the Special Reserve created and maintained under section 36(1)(viii) of the Income tax Act, 1961. Accordingly, the special reserve created and maintained is not capable of being reversed. Hence, the Company does not create any deferred tax liability on the said reserve.

(vi) Classification of Investments

In order to classify an investment in a company as investment in subsidiary or joint venture (JV) or associate, judgement is required to assess the level of control depending upon the facts and circumstances of each case.

a) Energy Efficiency Services Limited (EESL) was incorporated in 2009 as a Joint Venture (JV) of NTPC Ltd., Power Grid Corporation of India Ltd., REC Ltd. and PFC. In line with the JV agreement, all the joint venture partners have identical rights and privileges including without limitation, dividend, voting rights etc., thereby providing substantive participative rights though their right to affirmative vote on certain reserved matters.

Consequent upon acquisition of controlling stake in REC Limited (RECL) on 28.03.2019, the Company along with REC Limited is holding 58.06% stake in equity share capital of EESL (36.36% directly and 21.70% through its subsidiary RECL) and has been classified as subsidiary for the purpose of Companies Act 2013. However, being a company with joint control, EESL has been considered as Joint Venture Company for the purpose of consolidation of financial statement.

b) Ultra-Mega Power Projects (UMPPs) are managed as per the mandate from Government of India (GoI) and the Company does not have the practical ability to direct the relevant activities of these UMPPs unilaterally. The Company therefore, considers its investment in respective UMPPs as associates having significant influence despite the Company holding 100% of their paid-up equity share capital. However, for the purpose of Companies Act, these UMPPs have been classified as subsidiary companies.

(vii) Defined benefit obligation (DBO)

The Company's estimate of the DBO is based on a number of underlying assumptions such as standard rates of inflation, mortality, discount rate and anticipation of future salary increases. Variation in these assumptions may significantly impact the DBO amount and the annual defined benefit expenses.

(viii) Useful life of Property, Plant & Equipment (PPE) and Intangible Assets

The Management reviews its estimate of the useful lives of depreciable/amortisable assets at the end of each financial year, based on the expected utility of the assets. Uncertainties in these estimates relate to technical and economic obsolescence that may change the utility of assets.

6 Cash and Cash Equivalents

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Balances with Banks (of the nature of cash and cash equivalents)			
	- In Current Accounts	8.48	4.76	42.87
	- In Term Deposit Accounts	300.00	532.95	-
(ii)	Cheques, Drafts on hand including postage and Imprest	0.00	0.00	0.00
	Total Cash and Cash Equivalents	**308.48**	**537.71**	**42.87**

6.1 There are no repatriation restrictions with respect to Cash and Cash equivalents as at the end of the reporting periods presented above.

7 Bank Balance other than included in Cash and Cash Equivalents

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Earmarked Balances with Banks			
	- Term Deposits Accounts (Refer Note 7.1)	13,833.64	-	3,071.88
	- Unpaid Dividend	3.16	2.63	447.47
	- Unpaid - Bonds / Interest on Bonds etc.	9.73	8.41	10.94
	- Amount received under IPDS / R-APDRP scheme	0.00	4.45	0.00
	Total Bank Balance other than included in Cash and Cash Equivalents	**13,846.53**	**15.49**	**3,530.29**

7.1 The Company has taken Loan against these Term Deposits shown under Note 16.

8 Derivative Financial Instruments

The Company enters into derivative contracts for Currency & Interest Rate risk. Derivatives include hedges that either meet the hedge accounting requirements or hedges that are economic hedges. Derivative transactions include forwards, interest rate swaps, cross currency swaps, currency, cross currency options etc. to hedge the liabilities. These derivative transactions are done for hedging purpose and not for trading or speculative purpose.

Part - I

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019			As at 31.03.2018			As at 01.04.2017		
		Notional Amount	Fair value Assets	Fair value Liabilities	Notional Amount	Fair value Assets	Fair value Liabilities	Notional Amount	Fair value Assets	Fair value Liabilities
(i)	**Currency Derivatives**									
	- Spot and Forwards	15,290.12	295.95	335.46	7,448.60	2.42	225.85	2,107.63	-	68.41
	- Options	2,766.20	78.30	-	2,281.13	44.24	-	-	-	-
	Total Currency Derivatives	**18,056.32**	**374.25**	**335.46**	**9,729.73**	**46.66**	**225.85**	**2,107.63**	**-**	**68.41**
(ii)	**Interest Rate Derivatives**									
	- Forward Rate Agreements and Interest Rate Swaps	18,428.28	193.73	170.13	13,781.48	182.43	14.83	6,813.10	299.87	-
	Total Interest Rate Derivatives	**18,428.28**	**193.73**	**170.13**	**13,781.48**	**182.43**	**14.83**	**6,813.10**	**299.87**	**-**
	Total Derivative Financial Instruments (i+ii)	**36,484.60**	**567.98**	**505.59**	**23,511.21**	**229.09**	**240.68**	**8,920.73**	**299.87**	**68.41**

Part - II

	Included in above (Part I) are Derivatives held for hedging and risk management purposes as follows:									
(i)	Cash Flow Hedging (Designated)									
	- Currency Derivatives	1,728.88	-	100.03	-	-	-	-	-	-
	- Interest Rate Derivatives	1,728.88	-	64.84	-	-	-	-	-	-
	Total Cash Flow Hedging (Designated)	**3,457.76**	**-**	**164.87**	**-**	**-**	**-**	**-**	**-**	**-**
(ii)	Undesignated Derivatives	33,026.84	567.98	340.72	23,511.21	229.09	240.68	8,920.73	299.87	68.41
	Total Derivative Financial Instruments (i+ii)	**36,484.60**	**567.98**	**505.59**	**23,511.21**	**229.09**	**240.68**	**8,920.73**	**299.87**	**68.41**

8.1 Details of Forward Rate Agreements / Interest Rate Swaps

(₹ in crore)

Sr. No.	Description	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Notional principal of swap agreements	18,428.28	13,781.48	6,813.10
(ii)	Losses which would be incurred if counterparties failed to fulfil their obligations under the agreements	193.73	182.43	299.87
(iii)	Collateral required by NBFC upon entering into swaps	-	-	-
(iv)	Concentration of credit risk arising from swaps	-	-	-
(v)	Fair value of swap book (obtained from counterparty banks)	23.60	167.60	299.87

The Company has entered into swap agreements with Category I Authorized Dealers Banks only, in accordance with the RBI guidelines.

8.2 The Company does not hold any exchange traded derivatives as at 31.03.2019 (as at 31.03.2018 Nil, as at 01.04.2017 Nil).

8.3 Quantitative Disclosures on Risk Exposure in Derivatives:

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019		As at 31.03.2018		As at 01.04.2017	
		Currency Derivatives	Interest Rate Derivatives	Currency Derivatives	Interest Rate Derivatives	Currency Derivatives	Interest Rate Derivatives
(i)	Derivatives (Notional Principal Amount) For hedging[1]	18,056.31	18,428.28	9,729.73	13,781.48	2,107.63	6,813.10
(ii)	Marked to Market Positions (MTM)						
	a) Asset (+MTM)	374.25	193.73	46.66	182.43	0.00	299.87
	b) Liability (-MTM)	335.46	170.13	225.85	14.83	68.41	0.00
(iii)	Credit Exposure	-	-	-	-	-	-
(iv)	Unhedged Exposures[2]	11,626.06	5,907.41	8,940.05	7,391.86	6,628.09	6,296.24

[1] Interest rate derivatives include derivatives on Rupee liabilities of ₹ 5,634.60 crore as at 31.03.2019 (As at 31.03.2018 ₹ 5,634.60 crore & as at 01.04.2017 ₹ 6,164.60 crore)

[2] Includes JPY loan liability partly hedged through forward rate contract entered for one leg (USD/INR) for ₹ 587.82 crore as at 31.03.2019 (As at 31.03.2018 covering USD / INR ₹ 293.29 crore & as at 01.04.2017 covering USD / JPY ₹ 291.83 crore).

8.4 Refer Note 32.2 for Currency and Interest Rate Risk Management.

9 Loans

The Company has categorised all loans at amortised cost in accordance with the requirements of Ind AS 109.

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(A)	**Loans to Borrowers***			
	(i) Rupee Term Loans (RTLs)	299,463.59	265,545.94	237,471.52
	(ii) Foreign Currency Loans	240.99	240.99	260.13
	(iii) Buyer's Line of Credit	1,759.67	1,627.97	1,586.96
	(iv) Working Capital Loans	12,582.27	11,032.55	5,757.62
	(v) Leasing (Refer Note 9.2)	223.77	223.77	223.77
	(vi) Receivable for invoked Default Payment Guarantee	396.64	345.47	290.58
	(vii) Interest accrued but not due on Loans	4,630.80	4,059.14	4,244.12
	(viii) Interest accrued & due on Loans	182.08	82.22	168.58
	(ix) Unamortised Fee on Loans	(88.41)	(95.03)	(78.02)
	Gross Loans to Borrowers*	**319,391.40**	**283,063.02**	**249,925.26**
	Less: Impairment loss allowance	(16,181.04)	(17,051.64)	(14,836.51)
	Net Loans to Borrowers*	**303,210.36**	**266,011.38**	**235,088.75**
(B)	**Security-wise classification**			
	(i) Secured by Tangible Assets	201,490.39	190,817.41	175,651.71
	(ii) Secured by Intangible Assets	-	-	-
	(iii) Covered by Bank/Government Guarantees	59,474.29	24,335.12	24,061.21
	(iv) Unsecured	58,426.72	67,910.49	50,212.34
	Gross Security-wise classification	**319,391.40**	**283,063.02**	**249,925.26**
	Less: Impairment loss allowance	(16,181.04)	(17,051.64)	(14,836.51)
	Net Security-wise classification	**303,210.36**	**266,011.38**	**235,088.75**

(C) I	**Loans in India**			
	(i) Public Sector	265,465.58	231,583.39	207,104.10
	(ii) Private Sector	53,925.82	51,479.63	42,821.16
	Gross Loans in India	**319,391.40**	**283,063.02**	**249,925.26**
	Less: Impairment loss allowance	(16,181.04)	(17,051.64)	(14,836.51)
	Net Loans in India	**303,210.36**	**266,011.38**	**235,088.75**
(C) II	**Loans Outside India**	**-**	**-**	**-**
	Less: Impairment loss allowance	-	-	-
	Net Loans Outside India	**-**	**-**	**-**
	Net Loans in India and Outside India	**303,210.36**	**266,011.38**	**235,088.75**

*For details of assets pledged as security refer note 15.12, 15.13, 15.14 and 16.9.

9.1 During the year, the Company has sent letters to borrowers, except where loans have been recalled or pending before court/NCLT, seeking confirmation of balances as at 31.12.2018 to the borrowers.

Confirmations for 96.16% of the said balances have been received. Out of the remaining loan assets amounting to ₹10,734.19 crore for which balance confirmations have not been received, 38.91% loans are secured by tangible securities, 56.48% by way of Government Guarantee/ Loans to Government and 4.61% are unsecured loans.

9.2 Details related to Lease Assets

(i) Gross investment in leased assets and present value of minimum value receivable at the balance sheet date and value of unearned financial income are given in table below:

(₹ in crore)

Description[a]	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Total of future minimum lease payments recoverable (Gross Investments)	305.75[b]	331.89	365.23
Present value of lease payments recoverable	223.77	223.77	223.77
Total Unearned finance income	**81.98**	**108.12**	**141.46**
Maturity profile of total of future minimum lease payments recoverable (Gross Investment):-			
Not later than one year	25.70	26.14	33.78
Later than one year and not later than 5 years	128.51	128.51	128.51
Later than five years	151.54	177.24	202.94
Total gross investment	**305.75**	**331.89**	**365.23**
Break up of present value of lease payments recoverable:-			
Not later than one year	10.26	9.43	8.63
Later than one year and not later than 5 years	67.52	61.77	56.57
Later than five years	145.99	152.57	158.57
Total present value of lease payments recoverable	**223.77**	**223.77**	**223.77**

[a] Finance lease for financing wind turbine generators.

[b] Lease rent is to be recovered within a period of 25 years, starting from 01.01.2012, which comprises of 18 years as primary period and a maximum of 7 years as secondary period.

9.3 Disclosures related to Securitization

(i) The Company has not entered into any securitization transaction during the year and there is no exposure on account of securitization as at 31.03.2019 (As at 31.03.2018 and 01.04.2017 Nil).

(ii) The Company has not sold any financial assets to Securitization / Asset Reconstruction Company during the year ended 31.03.2019 (Previous year Nil).

(iii) The Company has not undertaken any assignment transaction during the year ended 31.03.2019 (Previous year Nil).

(iv) The Company has neither purchased nor sold any non-performing financial assets during the year ended 31.03.2019 (Previous year Nil).

9.4 Refer Note 32.2.1 for Credit Risk Management.

10 Investments (₹ in crore)

Sr. No.	Particulars	As at 31.03.2019							
		No. of securities	Face Value (Amount in ₹)	Amortised Cost	At Fair Value			Others*	Total
					Through Other Comprehensive Income	Through Profit or Loss	Subtotal		
(A)	**Investments**								
	(i) Debt securities								
	- Bonds of Andhra Bank (Refer Note 32.4)	8,000	1,000,000			809.84	809.84		**809.84**
	(ii) Equity instruments								
	Subsidiaries (Refer Note 10.1)								
	- REC Ltd. (Refer Note 10.2)	1,039,495,247	10					14,500.50	**14,500.50**
	- PFC Consulting Ltd. (Refer Note 10.4)	52,246	10					0.15	**0.15**
	- Power Equity Capital Advisors Private Ltd. (Refer Note 10.6)	50,000	10					0.05	**0.05**
	Joint Venture (Refer Note 10.1)								
	- Energy Efficiency Services Limited (Refer Note 10.3)	245,500,000	10					245.50	**245.50**
	Associates								
	- Ultra Mega Power Projects (Refer Note 10.1)	750,000	10					0.75	**0.75**
	Others								
	- PTC India Limited.	12,000,000	10		88.14		88.14		**88.14**
	- Coal India Limited	13,964,530	10		331.24		331.24		**331.24**
	- NHPC Limited (Refer Note 10.7)	244,473,240	10		603.85		603.85		**603.85**
	- GMR Chhattisgarh Energy Limited (Refer Note 34.2)	275,000,000	10		0.00		0.00		**0.00**
	- Shree Maheshwar Hydro Power Projects Limited (Refer Note 32.4)	131,846,779	10		0.00		0.00		**0.00**
	(iii) Others								
	- Units of "Small is Beautiful" Fund	6,152,200	10		6.18	-	6.18		**6.18**
	Total Investments			**-**	**1,029.41**	**809.84**	**1,839.25**	**14,746.95**	**16,586.20**
(B)	**Geography wise investment**								
	(i) Investments Outside India			-	-	-	-	-	**-**
	(ii) Investments in India			-	1,029.41	809.84	1,839.25	14,746.95	**16,586.20**
	Gross Geography wise investment			**-**	**1,029.41**	**809.84**	**1,839.25**	**14,746.95**	**16,586.20**
	Less: Impairment loss allowance			-	-	-	-	-	**-**
	Net Geography wise investment			**-**	**1,029.41**	**809.84**	**1,839.25**	**14,746.95**	**16,586.20**

*Measured at cost

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2018							
		No. of securities	Face Value (Amount in ₹)	Amortised Cost	At Fair Value			Others*	Total
					Through Other Comprehensive Income	Through Profit or Loss	Subtotal		
(A)	**Investments**								
	(i) Debt securities								
	- Bonds of Andhra Bank (Refer Note 32.4)	8,000	1,000,000			809.84	809.84		**809.84**
	- Bonds / Debentures from State Power Corporations	31,160	100,000	325.57			-		**325.57**
	(ii) Equity instruments								
	Subsidiaries (Refer Note 10.1)								
	- PFC Consulting Ltd. (Refer Note 10.4)	50,000	10					0.05	**0.05**
	- PFC Capital Advisory Services Ltd. (Refer Note 10.4)	100,000	10					0.10	**0.10**
	- Power Equity Capital Advisors Private Ltd. (Refer Note 10.6)	50,000	10					0.05	**0.05**
	Joint Venture (Refer Note 10.1)								
	- Energy Efficiency Services Limited (Refer Note 10.3)	146,500,000	10					146.50	**146.50**
	Associates								
	- Ultra Mega Power Projects (Refer Note 10.1)	750,000	10					0.75	**0.75**
	Others								
	- PTC India Limited.	12,000,000	10		104.88		104.88		**104.88**
	- Power Grid Corporation of India Limited (Refer Note 10.7)	389,349	10		7.52		7.52		**7.52**
	- REC Limited. (Refer Note 10.2)	95,904	10		1.20		1.20		**1.20**
	- Coal India Limited	13,964,530	10		395.62		395.62		**395.62**
	- NHPC Limited (Refer Note 10.7)	260,542,051	10		721.70		721.70		**721.70**
	- GMR Chhattisgarh Energy Limited (Refer Note 32.4)	275,000,000	10		0.00		0.00		**0.00**
	- Shree Maheshwar Hydro Power Projects Limited (Refer Note 32.4)	131,846,779	10		0.00		0.00		**0.00**
	(iii) Others								
	- Units of "Small is Beautiful" Fund	6,152,200	10		6.26	-	6.26		**6.26**
	Total			**325.57**	**1,237.18**	**809.84**	**2,047.02**	**147.45**	**2,520.04**
(B)	**Geography wise investment**								
	(i) Investments Outside India			-	-	-	-	-	**-**
	(ii) Investments in India			325.57	1,237.18	809.84	2,047.02	147.45	**2,520.04**
	Gross Geography wise investment			**325.57**	**1,237.18**	**809.84**	**2,047.02**	**147.45**	**2,520.04**
	Less: Impairment loss allowance			-	-	-	-	-	**-**
	Net Geography wise investment			**325.57**	**1,237.18**	**809.84**	**2,047.02**	**147.45**	**2,520.04**

*Measured at cost

(₹ in crore)

Sr. No.	Particulars	As at 01.04.2017							
		No. of securities	Face Value (Amount in ₹)	Amortised Cost	At Fair Value			Others*	Total
					Through Other Comprehensive Income	Through Profit or Loss	Subtotal		
(A)	**Investments**								
	(i) Debt securities								
	- Bonds of Dena Bank (Refer Note 32.4)	10,000	1,000,000			1,018.30	1,018.30		**1,018.30**
	- Bonds of Andhra Bank (Refer Note 32.4)	8,000	1,000,000			809.60	809.60		**809.60**
	- Bonds / Debentures from State Power Corporations	31,160	100,000	325.57			-		**325.57**
	(ii) Equity instruments								
	Subsidiaries (Refer Note 10.1)								
	- PFC Consulting Ltd. (Refer Note 10.4)	50,000	10					0.05	**0.05**
	- PFC Capital Advisory Services Ltd. (Refer Note 10.4)	100,000	10					0.10	**0.10**
	- Power Equity Capital Advisors Private Ltd. (Refer Note 10.6)	50,000	10					0.05	**0.05**
	Joint Venture (Refer Note 10.1)								
	- Energy Efficiency Services Limited (Refer Note 10.3)	1,46,500,000	10					146.50	**146.50**
	Associates								
	- Ultra Mega Power Projects (Refer Note 10.1)	750,000	10					0.75	**0.75**
	Others								
	- PTC India Limited.	12,000,000	10		112.08		112.08		**112.08**
	- Power Grid Corporation of India Limited (Refer Note 10.7)	439,349	10		8.67		8.67		**8.67**
	- REC Limited. (Refer Note 10.2)	95,904	10		1.74		1.74		**1.74**
	- Coal India Limited	13,964,530	10		408.67		408.67		**408.67**
	- NHPC Limited (Refer Note 10.7)	2,60,542,051	10		838.95		838.95		**838.95**
	- GMR Chhattisgarh Energy Limited (Refer Note 32.4)	2,75,000,000	10		193.05		193.05		**193.05**
	- Shree Maheshwar Hydro Power Projects Limited (Refer Note 32.4)	1,31,846,779	10		0.00		0.00		**0.00**
	(iii) Others								
	- Units of "Small is Beautiful" Fund	6,152,200	10		6.30	-	6.30		**6.30**
	Total			**325.57**	**1,569.46**	**1,827.90**	**3,397.36**	**147.45**	**3,870.38**
(B)	**Geography wise investment**								
	(i) Investments Outside India			-	-	-	-	-	**-**
	(ii) Investments in India			325.57	1,569.46	1,827.90	3,397.36	147.45	**3,870.38**
	Gross Geography wise investment			**325.57**	**1,569.46**	**1,827.90**	**3,397.36**	**147.45**	**3,870.38**
	Less: Impairment loss allowance			-	-	-	-	-	**-**
	Net Geography wise investment			**325.57**	**1,569.46**	**1,827.90**	**3,397.36**	**147.45**	**3,870.38**

*Measured at cost

10.1 Details of Investment in Subsidiaries, Joint Venture and Associates:

Name of investee company	Principal place of business / Country of incorporation	Proportion of ownership interest as at		
		31.03.2019	31.03.2018	01.04.2017
Subsidiaries :				
REC Limited (Refer Note 10.2)	India	52.63%	0.00%	0.00%
PFC Consulting Ltd. (Refer Note 10.4)	India	100%	100%	100%
Power Equity Capital Advisors Private Ltd. (Refer Note 10.6)	India	100%	100%	100%
PFC Capital Advisory Services Ltd. (Refer Note 10.4)	India	-	100%	100%
Joint Venture :				
Energy Efficiency Services Ltd. (Refer Note 10.3)	India	36.36%	31.71%	31.71%

Name of investee company	Principal place of business / Country of incorporation	Amount (₹ in crore)*	Proportion of ownership interest as at		
			31.03.2019	31.03.2018	01.04.2017
Associates:					
Coastal Maharashtra Mega Power Limited	India	0.05	100%	100%	100%
Orissa Integrated Power Limited	India	0.05	100%	100%	100%
Coastal Karnataka Power Limited	India	0.05	100%	100%	100%
Coastal Tamil Nadu Power Limited	India	0.05	100%	100%	100%
Chhattisgarh Surguja Power Limited	India	0.05	100%	100%	100%
Sakhigopal Integrated Power Company Limited	India	0.05	100%	100%	100%
Ghogarpalli Integrated Power Company Limited	India	0.05	100%	100%	100%
Tatiya Andhra Mega Power Limited	India	0.05	100%	100%	100%
Deoghar Mega Power Limited	India	0.05	100%	100%	100%
Cheyyur Infra Limited	India	0.05	100%	100%	100%
Odisha Infrapower Limited	India	0.05	100%	100%	100%
Deoghar Infra Limited	India	0.05	100%	100%	100%
Bihar Infrapower Limited	India	0.05	100%	100%	100%
Bihar Mega Power Limited	India	0.05	100%	100%	100%
Jharkhand Infrapower Limited	India	0.05	100%	100%	100%
Total		**0.75**			

*the amount is same for all three periods (31.03.2019, 31.03.2018 & 01.04.2017)

Note: -

a. The investments in subsidiaries, joint venture and associates are measured at cost in accordance with the provisions of Ind AS 27 'Separate Financial Statements'.

b. Associate companies are companies (UMPPs) incorporated as SPVs under mandate from GoI for development of UMPPs with the intention to hand over the same to successful bidders on completion of the bidding process.

10.2 During the year, the Company has acquired 52.63% shareholding held by the President of India (103,93,99,343 equity shares of face value ₹ 10/- per share) in REC Limited (RECL) at ₹ 139.5036 per share for a total cash consideration of ₹ 14,500.00 crore on 28.03.2019. By virtue of this investment, PFC has become the holding company of RECL.

Prior to acquisition, PFC held 95,904 equity shares of RECL which was designated at FVTOCI. Consequent to the above acquisition, the same has been reclassified and the cumulative investment of 103,94,95,247 equity shares in RECL has now been accounted for at cost in accordance with Ind AS 27. Accordingly, cumulative fair value gain of ₹ 0.80 crore has been reversed as at the date of acquisition.

10.3 The Company acquired 9,90,00,000 equity shares of Energy Efficiency Services Limited (EESL) for a consideration of ₹ 99.00 crore on 02.07.2018. Subsequent to this, the shareholding of the Company in EESL has increased from 31.71% to 36.36% as on 31.03.2019.

10.4 Consequent upon amalgamation of PFC Capital Advisory Services Limited (PFCCAS) with PFC Consulting Limited (PFCCL), wholly owned subsidiaries of the Company on 05.02.2019, PFCCL has issued its 2,246 shares of face value ₹ 10/- each to PFC in lieu of 1,00,000 erstwhile shares of PFCCAS of face value of ₹ 10/- each. These shares have been issued using exchange ratio based on Net Asset Value of both the companies. The appointed date of amalgamation is 01.04.2018.

10.5 Pursuant to the order of Ministry of Corporate Affairs dated 07.02.2019 approving amalgamation; PFC Green Energy Limited (PFCGEL), wholly owned subsidiary of the Company, has been amalgamated with the Company from the appointed date i.e. 01.04.2017. As contained in the order, the scheme of amalgamation has been accounted for as per Appendix C to Ind AS 103 'Business Combinations'.

10.6 Ministry of Power (MoP), GoI vide its letter dated 19.03.2019 has approved the dissolution/ striking off the name of Power Equity Capital Advisors (Private) Ltd., a wholly owned subsidiary of the Company, from the records of Registrar of Companies. Necessary steps are being taken to give effect to the same.

10.7 The Company has elected an irrevocable option to designate some of the equity instruments at FVTOCI. The Company's main operation is to provide financial assistance to power sector. Thus, in order to insulate Standalone Statement of Profit and Loss from price fluctuations of these instruments, the Management believes that FVTOCI classification provides a more meaningful presentation, rather than classifying them at FVTPL.

Details of FVTOCI instruments derecognised during the year:

(₹ in crore)

Details of investment	No. of shares	Fair Value as on date of de-recognition	Cumulative gain on de-recognition
FY 2018-19			
Power Grid Corporation of India Limited	3,89,349	7.67	5.63
NHPC Limited*	1,60,68,811	44.02	8.93
FY 2017-18			
Power Grid Corporation of India Limited	50,000	1.04	0.78

*These equity shares were sold in tranches during the year. The fair value and gain has been computed based on the price as on the respective date of de-recognition and has been presented on aggregate basis.

Subsequent to de-recognition of the investments on account of sale of the equity shares, the Company has transferred the cumulative gain on such shares within Equity during the period.

11 Other Financial Assets

The Company has categorised other financial assets at amortised cost in accordance with the requirements of Ind AS 109.

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Amount Recoverable on account of Bonds fully serviced by GOI	5,038.21	5,038.21	5,038.21
(ii)	Advances - to Subsidiaries and Associates*	196.22	169.95	115.04
(iii)	Advances - to Employees	0.77	0.70	0.63
(iv)	Loans to Employees	48.98	35.22	39.32
(v)	Interest Accrued but not due on Employee Loans	27.70	25.83	22.64
(vi)	Others	74.82	9.51	49.99
	- Impairment loss allowance on others (Refer Note 11.1)	(10.30)	(2.51)	(16.40)
	Total Other Financial Assets	**5,376.40**	**5,276.91**	**5,249.43**

*Recoverable in cash.

11.1 Movement of Impairment on other Financial Assets

(₹ in crore)

Sr. No.	Particulars	FY 2018-19	FY 2017-18
(i)	Opening balance	2.51	16.40
(ii)	Add: Creation during the year	7.83	0.73
(iii)	Less: Reversal during the year	(0.04)	(14.62)
(iv)	Closing balance	10.30	2.51

12 Current Tax Assets / Liabilities (Net)

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Advance income tax and TDS (Net)	433.33	369.99	184.16
(ii)	Tax Deposited on income tax demands under contest	195.26	138.13	162.08
	Current Tax Assets (Net)	**628.59**	**508.12**	**346.24**
(i)	Provision for income tax net of Advance Tax	-	-	12.04
(ii)	Provision for income tax for demand under contest	130.70	129.97	118.39
	Current Tax Liabilities (Net)	**130.70**	**129.97**	**130.43**

13 Property, Plant and Equipment (PPE) and Intangible Assets

(₹ in crore)

Net Carrying Amount*	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Freehold Land	3.38	3.38	3.38
Buildings	13.13	13.80	14.50
EDP Equipment	3.36	3.14	2.14
Office Equipment	4.53	3.67	3.13
Furniture and Fixtures	3.32	2.05	0.80
Vehicles	0.02	0.04	0.06
Total Property, Plant and Equipment	**27.74**	**26.08**	**24.01**
Intangible Assets	0.59	0.89	0.69
Total Intangible Assets	**0.59**	**0.89**	**0.69**

(₹ in crore)

Gross Carrying Amount*	Property, Plant and Equipment							Intangible Assets
	Freehold Land	Buildings	EDP Equipment	Office Equipment	Furniture and Fixtures	Vehicles	Total	Computer Software
Opening Balance as at 01.04.2017	**3.38**	**24.92**	**15.16**	**17.21**	**7.77**	**0.20**	**68.64**	**8.95**
Additions / Adjustments	-	-	3.92	3.25	1.64	-	8.81	0.51
Disposal / Adjustments	-	-	2.01	4.14	0.14	-	6.29	-
Closing Balance as at 31.03.2018	**3.38**	**24.92**	**17.07**	**16.32**	**9.27**	**0.20**	**71.16**	**9.46**
Additions / Adjustments	-	-	2.24	3.64	2.04	-	7.92	0.01
Disposal / Adjustments	-	-	2.96	2.36	0.16	0.10	5.58	-
Closing Balance as at 31.03.2019	**3.38**	**24.92**	**16.35**	**17.60**	**11.15**	**0.10**	**73.50**	**9.47**

(₹ in crore)

Accumulated Depreciation / Amortisation*	Property, Plant and Equipment							Intangible Assets
	Freehold Land	Buildings	EDP Equipment	Office Equipment	Furniture and Fixtures	Vehicles	Total	Computer Software
Opening Balance as at 01.04.2017	**-**	**10.42**	**13.02**	**14.08**	**6.97**	**0.14**	**44.63**	**8.26**
Depreciation for the year	-	0.70	2.71	2.34	0.33	0.02	6.10	0.31
Reversal on Assets Sold/Written off from books	-	-	1.80	3.77	0.08	-	5.65	-
Closing Balance as at 31.03.2018	**-**	**11.12**	**13.93**	**12.65**	**7.22**	**0.16**	**45.08**	**8.57**
Depreciation for the year	-	0.67	1.90	2.59	0.70	0.01	5.87	0.31
Reversal on Assets Sold/Written off from books	-	-	2.84	2.17	0.09	0.09	5.19	-
Closing Balance as at 31.03.2019	**-**	**11.79**	**12.99**	**13.07**	**7.83**	**0.08**	**45.76**	**8.88**

* Includes EDP (Gross Block- ₹0.007 crore, Accumulated Depreciation- Nil); Office Equipment (Gross Block- ₹0.0010 crore, Accumulated Depreciation- ₹0.0004 crore); Furniture & Fixtures (Gross Block- ₹0.0026 crore, Accumulated Depreciation-₹0.0007 crore) of erstwhile subsidiary PFCGEL merged with the Company w.e.f 01.04.2017. (Refer Note 10.5)

13.1 Details of useful life of Property Plant and Equipment and Intangible Assets are as under:

Category	Useful Life in Years	Residual value as a % of original Cost
Building	60	5%
EDP Equipment :		
- Servers and networks	6	5%
-End user devices i.e. desktops, laptops etc.	3	5%
Office Equipment	5	5%
Cell Phone	2	5%
Furniture and Fixture	10	5%
Vehicles	8	5%
Intangible Assets	5	-

13.2 The estimated useful lives of the property, plant and equipment (PPE) is in line with the life prescribed in Schedule II of Companies Act, 2013, except for cell phones where useful life has been estimated as 2 years by the Company. The Company reviews the estimated useful life, residual values and depreciation method of property, plant and equipment at the end of each financial year and changes in estimates, if any are accounted prospectively.

Depreciation is recognised so as to write off the cost of property, plant and equipment less their residual values as per written down value method, over the estimated useful lives.

In case of intangible assets, the life has been estimated as 5 years by the Company. The intangible assets are amortised using straight-line method over their useful life. The Company reviews the estimated useful life, residual values and depreciation method of Intangible assets at the end of each financial year and changes in estimates, if any are accounted prospectively.

13.3 In the opinion of management, there is no impairment of the assets of the Company in terms of Ind AS 36. Accordingly, no provision for impairment loss as required under Ind AS 36 'Impairment of Assets' has been made.

13.4 For details of assets pledged as security refer note 15.9, 15.10 and 15.11.

13.5 Lease hold land was accounted as a part of fixed assets under previous GAAP. The same has been classified as operating lease under Ind-AS. For details Refer Note 41.5 (c).

14 Other Non-Financial Assets

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Prepaid Expenses (Refer Note 31.1)	29.31	29.77	30.02
(ii)	Deferred Employee Costs	40.67	31.99	32.89
(iii)	Others	172.11	173.72	947.62
	Total Other Non-Financial Assets	**242.09**	**235.48**	**1,010.53**

15 Debt Securities

The Company has categorised Debt Securities at amortised cost in accordance with the requirements of Ind AS 109.

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Bonds / Debenture			
	- Infrastructure Bonds (Refer Note 15.3)	278.63	284.32	284.76
	- Tax Free Bonds (Refer Note 15.4)	12,275.11	12,275.11	12,275.11
	- 54EC Capital Gain Tax Exemption Bonds (Refer Note 15.5)	784.10	292.15	-
	- Taxable Bonds (Refer Note 15.6)	1,67,774.95	1,77,176.95	1,73,383.50
	- Foreign Currency Notes (Refer Note 15.7)	8,298.60	2,607.00	1,167.30
(ii)	Commercial Paper (Refer Note 15.8)	9,715.92	6,924.74	-
(iii)	Interest accrued but not due on above	6,588.16	7,368.39	7,420.02
(iv)	Unamortised Transaction Cost on above	(130.98)	(116.87)	(86.35)
	Total Debt Securities	**2,05,584.49**	**2,06,811.79**	**1,94,444.34**
	Geography wise Debt Securities			
(i)	Debt Securities in India	1,97,222.82	2,04,207.06	1,93,271.24
(ii)	Debt Securities outside India	8,361.67	2,604.73	1,173.10
	Total Geography wise Debt Securities	**2,05,584.49**	**2,06,811.79**	**1,94,444.34**

15.1 The Company raises funds through various instruments including series of non-convertible bond issues. During the year, the Company has not defaulted in servicing of its debt securities.

15.2 As regards non-convertible Rupee denominated bonds, the previous due date for payment of interest and principal was 30.03.2019 and 02.03.2019 respectively.

15.3 Details of Infrastructure Bonds outstanding are as follows:

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
1	Infrastructure Bonds 86 D Series	8.72%	2.40	2.40	2.75	30.03.2027	Redeemable at par on a date falling Fifteen years from the date of allotment
2	Infrastructure Bonds 86 C Series	8.72%	0.87	0.87	0.95	30.03.2027	Redeemable at par with cumulative interest compounded annually, on a date falling fifteen years from the date of allotment
3	Infrastructure Bonds (2011-12) - Series III	8.75%	2.86	3.23	3.23	21.11.2026	Redeemable at par on a date falling Fifteen years from the date of allotment
4	Infrastructure Bonds (2011-12) - Series IV	8.75%	7.77	8.83	8.83	21.11.2026	Redeemable at par with cumulative interest compounded annually, on a date falling fifteen years from the date of allotment
5	Infrastructure Bonds (2010-11) - Series III	8.50%	5.27	6.13	6.13	31.03.2026	Redeemable at par on a date falling Fifteen years from the date of allotment
6	Infrastructure Bonds (2010-11) - Series IV	8.50%	`19.33	22.75	22.75	31.03.2026	Redeemable at par with cumulative interest compounded annually, on a date falling fifteen years from the date of allotment
7	INFRA BONDS PRIVATE PLACEMENT SERIES I	8.43%	7.39	7.39	7.39	30.03.2022	Redeemable at par on a date falling ten years from the date of allotment
8	INFRA BONDS PRIVATE PLACEMENT SERIES II	8.43%	15.47	15.47	15.48	30.03.2022	Redeemable at par with cumulative interest compounded annually, on a date falling ten years from the date of allotment
9	Infrastructure Bonds (2011-12) - Series I	8.50%	21.85	21.85	21.85	21.11.2021	Redeemable at par on a date falling ten years from the date of allotment
10	Infrastructure Bonds (2011-12) - Series II	8.50%	36.34	36.34	36.34	21.11.2021	Redeemable at par with cumulative interest compounded annually, on a date falling ten years from the date of allotment
11	Infrastructure Bonds (2010-11) - Series I	8.30%	49.96	49.95	49.95	31.03.2021	Redeemable at par on a date falling ten years from the date of allotment
12	Infrastructure Bonds (2010-11) - Series II	8.30%	109.12	109.11	109.11	31.03.2021	Redeemable at par with cumulative interest compounded annually, on a date falling ten years from the date of allotment
	Total		**278.63**	**284.32**	**284.76**		

15.4 Details of Tax Free Bonds outstanding are as follows:

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
1	7 .35 TAX FREE BONDS 3 A 2015 16	7.35%	213.57	213.57	213.57	17.10.2035	Redeemable at par on maturity
2	7 .60 TAX FREE BONDS 3 B 2015 16	7.60%	155.48	155.48	155.48	17.10.2035	
3	7 .27 TAX FREE BONDS 2 A 2015 16	7.27%	131.33	131.33	131.33	17.10.2030	
4	7 .52 TAX FREE BONDS 2 B 2015 16	7.52%	45.18	45.18	45.18	17.10.2030	
5	TAX FREE BONDS 8 .54 BPS SERIES 2A	8.54%	932.70	932.70	932.70	16.11.2028	
6	TAX FREE BONDS 8. 79 BPS SERIES 2B	8.79%	353.32	353.32	353.32	16.11.2028	
7	8 .46 TAX FREE BOND SERIES 107 B	8.46%	1,011.10	1,011.10	1,011.10	30.08.2028	
8	7.04% TR-2 TAX FREE BONDS 12-13	7.04%	8.89	7.78	6.06	28.03.2028	
9	7.54% TR 2 TAX FREE BONDS 12-13	7.54%	60.32	61.43	63.15	28.03.2028	
10	7.36% 15YEARS TAX FREE BONDS 2012-13 TR-I	7.36%	159.81	155.22	150.14	04.01.2028	
11	7.86% 15YEARS TAX FREE BONDS 2012-13 TR-I	7.86%	197.19	201.77	206.86	04.01.2028	
12	TAX FREE BONDS SERIES	7.38%	100.00	100.00	100.00	29.11.2027	

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at 31.03.2019	31.03.2018	01.04.2017	Date of Redemption	Redemption details
13	TAX FEE BOND SERIES	7.38%	25.00	25.00	25.00	22.11.2027	Redeemable at par on maturity
14	8.30% PUBLIC ISSUE OF TAX FREE BONDS FY 11-12	8.30%	1,280.58	1,280.58	1,280.58	01.02.2027	
15	8.16% TAX FREE BOND SERIES 80-B	8.16%	209.34	209.34	209.34	25.11.2026	
16	7.75% TAX FREE BOND SERIES 79-B	7.75%	217.99	217.99	217.99	15.10.2026	
17	7 11 TAX FREE BONDS 1 A 2015 16	7.11%	75.09	75.09	75.09	17.10.2025	
18	7.36 TAXFREE BONDS 1B 2015-16	7.36%	79.35	79.35	79.35	17.10.2025	
19	7 16 TF SEC BND SRS 136	7.16%	300.00	300.00	300.00	17.07.2025	
20	TAX FREE BONDS 8 18 BPS SERIES 1A	8.18%	325.07	325.07	325.07	16.11.2023	
21	TAX FREE BONDS 8 43 BPS SERIES IB	8.43%	335.47	335.47	335.47	16.11.2023	
22	TAX FREE BONDS 8 67 BPS SERIES 3A	8.67%	1,067.38	1,067.38	1,067.38	16.11.2023	
23	TAX FREE BONDS 8 92 BPS SERIES 3B	8.92%	861.96	861.96	861.96	16.11.2023	
24	8 01 TAX FREE BOND SERIES 107 A	8.01%	113.00	113.00	113.00	30.08.2023	
25	6.88% TR-2 TAX FREE BONDS 12-13	6.88%	52.38	50.93	50.14	28.03.2023	
26	7.38% tr-2 tax free bonds 12-13	7.38%	43.77	45.23	46.01	28.03.2023	
27	7.19% 10YEARS TAX FREE BONDS 12-13 TR -I SERIES 1	7.19%	193.40	189.57	185.90	04.01.2023	
28	7.69% 10YEARS TAX FREE BONDS 2012-13 TR-I SERIES-1	7.69%	149.35	153.18	156.85	04.01.2023	
29	TAX FREE BONDS SERIES 95 A	7.22%	30.00	30.00	30.00	29.11.2022	
30	TAX FREE BOND SERIES 94 A	7.21%	255.00	255.00	255.00	22.11.2022	
31	8.20% PUBLIC ISSUE OF TAX FREE BONDS FY 11-12	8.20%	2,752.55	2,752.55	2,752.55	01.02.2022	
32	8.09% TAX FREE BOND SERIES 80-A	8.09%	334.31	334.31	334.31	25.11.2021	
33	7.51% TAX FREE BONDS SERIES 79-A	7.51%	205.23	205.23	205.23	15.10.2021	
	Total		**12,275.11**	**12,275.11**	**12,275.11**		

15.5 Details of 54 EC Capital Gain Tax Exemption Bonds outstanding are as follows:

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at 31.03.2019	31.03.2018	01.04.2017	Date of Redemption	Redemption details
1	Series II (FY 2018-19)	5.75	491.95	-	-	Redeemable at par during FY 23-24	
2	Series I (FY 2017-18)	5.25%	292.15	292.15	-	Redeemable at par during FY 20-21	
	Total		**784.10**	**292.15**	**-**		

15.6 The details of Taxable Bonds outstanding are as follows:

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at 31.03.2019	31.03.2018	01.04.2017	Date of Redemption	Redemption details
1	SERIES 180	8.75%	2,654.00	-	-	22.02.2034	Redeemable at par on maturity
2	SERIES 179-B	8.64%	528.40	-	-	19.11.2033	
3	Series 71	9.05%	192.70	192.70	192.70	15.12.2030	
4	Series 66-C	8.85%	633.00	633.00	633.00	15.06.2030	
5	SERIES 118 OPTION B III	9.39%	460.00	460.00	460.00	27.08.2029	
6	SERIES 179-A	8.67%	1,007.40	-	-	19.11.2028	
7	SERIES 178	8.95%	3,000.00	-	-	10.10.2028	
8	SERIES 177	7.85%	3,855.00	-	-	03.04.2028	
9	SERIES 103	8.94%	2,807.00	2,807.00	2,807.00	25.03.2028	
10	SERIES 102 A (III)	8.90%	403.00	403.00	403.00	18.03.2028	

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at 31.03.2019	31.03.2018	01.04.2017	Date of Redemption	Redemption details
11	SERIES 101 B	9.00%	1,370.00	1,370.00	1,370.00	11.03.2028	Redeemable at par on maturity
12	SERIES 172	7.74%	850.00	850.00	-	29.01.2028	
13	SERIES 171	7.62%	5,000.00	5,000.00	-	15.12.2027	
14	SERIES 170-B	7.65%	2,001.00	2,001.00	-	22.11.2027	
15	SERIES 169-B	7.30%	1,500.00	1,500.00	-	07.08.2027	
16	SERIES 168-B	7.44%	1,540.00	1,540.00	-	12.06.2027	
17	SERIES 155	7.23%	2,635.00	2,635.00	2,635.00	05.01.2027	
18	SERIES 152	7.55%	4,000.00	4,000.00	4,000.00	25.09.2026	
19	SERIES 151-B	7.56%	210.00	210.00	210.00	14.09.2026	
20	Series - 77-B	9.45%	2,568.00	2,568.00	2,568.00	01.09.2026	
21	SERIES 150-B	7.63%	1,675.00	1,675.00	1,675.00	14.08.2026	
22	Series - 76-B	9.46%	1,105.00	1,105.00	1,105.00	01.08.2026	
23	SERIES 147	8.03%	1,000.00	1,000.00	1,000.00	02.05.2026	
24	Series 71	9.05%	192.70	192.70	192.70	15.12.2025	
25	SERIES 141-B	8.40%	1,000.00	1,000.00	1,000.00	18.09.2025	
26	Series 66-B	8.75%	1,532.00	1,532.00	1,532.00	15.06.2025	
27	Series 65	8.70%	2,675.00	1,337.50	1,337.50	14.05.2025	
28	SERIES 130-C	8.39%	925.00	925.00	925.00	19.04.2025	
29	Series 64	8.95%	492.00	492.00	492.00	30.03.2025	
30	SERIES 131-C	8.41%	5,000.00	5,000.00	5,000.00	27.03.2025	
31	Series 63-III	8.90%	184.00	184.00	184.00	15.03.2025	
32	SERIES 128	8.20%	1,600.00	1,600.00	1,600.00	10.03.2025	
33	Series 62-B	8.80%	1,172.60	1,172.60	1,172.60	15.01.2025	
34	SERIES 126	8.65%	5,000.00	5,000.00	5,000.00	04.01.2025	
35	SERIES 125	8.65%	2,826.00	2,826.00	2,826.00	28.12.2024	
36	Series 61	8.50%	351.00	351.00	351.00	15.12.2024	
37	SERIES 124 C	8.48%	1,000.00	1,000.00	1,000.00	09.12.2024	
38	SERIES 120 OPTION A	8.98%	961.00	961.00	961.00	08.10.2024	
39	SERIES OPTION 120 B	8.98%	950.00	950.00	950.00	08.10.2024	
40	SERIES 118 OPTION B II	9.39%	460.00	460.00	460.00	27.08.2024	
41	SERIES 117 OPTION B	9.37%	855.00	855.00	855.00	19.08.2024	
42	Series 57-C	8.60%	866.50	866.50	866.50	07.08.2024	
43	Series 85 D	9.26%	736.00	736.00	736.00	15.04.2023	
44	SERIES 102 A (II)	8.90%	403.00	403.00	403.00	18.03.2023	
45	SERIES 102 B	8.87%	70.00	70.00	70.00	18.03.2023	
46	SERIES 100 B	8.84%	1,310.00	1,310.00	1,310.00	04.03.2023	
47	Zero Coupon unsecured Taxable Bonds 2022-XIX Series	-	560.45	518.45	479.60	30.12.2022	
48	SERIES 176-B	7.99%	1,295.00	1,295.00	-	20.12.2022	
49	SERIES 170-A	7.35%	800.00	800.00	-	22.11.2022	
50	SERIES 92 C	9.29%	640.00	640.00	640.00	21.08.2022	
51	SERIES 181	8.45%	2,155.00	-	-	11.08.2022	
52	SERIES 169-A	7.10%	3,395.00	3,395.00	-	08.08.2022	
53	SERIES 91 B	9.39%	2,695.20	2,695.20	2,695.20	29.06.2022	
54	SERIES 168-A	7.28%	1,950.00	1,950.00		12.06.2022	
55	SERIES 88 C	9.48%	184.70	184.70	184.70	15.04.2022	
56	SERIES 183	8.18%	3,751.20	-	-	19.03.2022	
57	SERIES 154	7.27%	1,101.00	1,101.00	1,101.00	22.12.2021	
58	SERIES 124 B	8.55%	1,200.00	1,200.00	1,200.00	09.12.2021	
59	SERIES 123 C	8.66%	200.00	200.00	200.00	27.11.2021	
60	SERIES 153	7.40%	1,830.00	1,830.00	1,830.00	30.09.2021	
61	SERIES 78-B	9.44%	-	1,180.00	1,180.00	23.09.2021	
62	SERIES 151-A	7.47%	2,260.00	2,260.00	2,260.00	16.09.2021	
63	SERIES 150-A	7.50%	2,660.00	2,660.00	2,660.00	16.08.2021	

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
64	Series - 76-A	9.36%	2,589.40	2,589.40	2,589.40	01.08.2021	Redeemable at par on maturity
65	SERIES 115 III	9.20%	700.00	700.00	700.00	07.07.2021	
66	Series 75-C	9.61%	2,084.70	2,084.70	2,084.70	29.06.2021	
67	Series 74	9.70%	1,693.20	1,693.20	1,693.20	09.06.2021	
68	Series 28	8.85%	600.00	600.00	600.00	31.05.2021	
69	Series 73	9.18%	1,000.00	1,000.00	1,000.00	15.04.2021	
70	SERIES 175	7.75%	600.00	600.00	-	15.04.2021	
71	SERIES 173-B	7.73%	1,325.00	1,325.00	-	05.04.2021	
72	SERIES 146	8.05%	300.00	300.00	300.00	27.03.2021	
73	SERIES 173-A	7.73%	505.00	505.00	-	12.03.2021	
74	Series 112-C	9.70%	270.00	270.00	270.00	31.01.2021	
75	Series 72-B	8.99%	1,219.00	1,219.00	1,219.00	15.01.2021	
76	Series 71	9.05%	192.70	192.70	192.70	15.12.2020	
77	Series 70	8.78%	1,549.00	1,549.00	1,549.00	15.11.2020	
78	SERIES 141-A	8.46%	1,000.00	1,000.00	1,000.00	18.09.2020	
79	SERIES 163	7.50%	2,435.00	2,435.00	2,435.00	17.09.2020	
80	SERIES 182	8.20%	3,500.00	-	-	14.09.2020	
81	SERIES 140-B	8.36%	1,250.00	1,250.00	1,250.00	04.09.2020	
82	SERIES 138	8.45%	1,000.00	1,000.00	1,000.00	10.08.2020	
83	SERIES 137	8.53%	2,700.00	2,700.00	2,700.00	24.07.2020	
84	Series 68-B	8.70%	1,424.00	1,424.00	1,424.00	15.07.2020	
85	SERIES 167	7.30%	1,560.00	1,560.00	-	30.06.2020	
86	SERIES 165	7.42%	3,605.00	3,605.00	3,605.00	26.06.2020	
87	Series 66-A	8.65%	500.00	500.00	500.00	15.06.2020	
88	SERIES 166	7.46%	1,180.00	1,180.00	-	05.06.2020	
89	SERIES 149	8.04%	100.00	100.00	100.00	30.05.2020	
90	SERIES 159	7.05%	2,551.00	2,551.00	2,551.00	15.05.2020	
91	SERIES 65	8.70%	-	1,337.50	1,337.50	14.05.2020	
92	SERIES 131-B	8.38%	1,350.00	1,350.00	1,350.00	27.04.2020	
93	SERIES 130-B	8.42%	200.00	200.00	200.00	18.04.2020	
94	Series 85 C	9.30%	79.50	79.50	79.50	15.04.2020	
95	SERIES 157	6.83%	2,000.00	2,000.00	2,000.00	15.04.2020	
96	Series 64	8.95%	492.00	492.00	492.00	30.03.2020	
97	SERIES 87 D	9.42%	650.80	650.80	650.80	20.03.2020	
98	Series 63-II	8.90%	184.00	184.00	184.00	15.03.2020	
99	SERIES 100 A	8.86%	54.30	54.30	54.30	04.03.2020	
100	SERIES 127	8.36%	4,440.00	4,440.00	4,440.00	26.02.2020	
101	SERIES 99 B	8.82%	733.00	733.00	733.00	20.02.2020	
102	Series 112-B	9.70%	270.00	270.00	270.00	31.01.2020	
103	SERIES 176-A	7.53%	1,500.00	1,500.00	-	20.01.2020	
104	Series 62-A	8.70%	845.40	845.40	845.40	15.01.2020	
105	Series 61	8.50%	351.00	351.00	351.00	15.12.2019	
106	SERIES 124 A	8.52%	1,220.00	1,220.00	1,220.00	09.12.2019	
107	SERIES 123 B	8.65%	836.00	836.00	836.00	28.11.2019	
108	Series 60-B	FBIL G-Sec par yield+179 bps (floating rate)	925.00	925.00	925.00	20.11.2019	
109	SERIES 122	8.76%	1,000.00	1,000.00	1,000.00	07.11.2019	
110	SERIES 121 B	8.96%	1,100.00	1,100.00	1,100.00	21.10.2019	
111	Series 59-B	8.80%	1,216.60	1,216.60	1,216.60	15.10.2019	
112	SERIES 119 OPTION B	9.32%	1,591.00	1,591.00	1,591.00	17.09.2019	
113	SERIES 118 OPTION B I	9.39%	460.00	460.00	460.00	27.08.2019	
114	Series 57-B	8.60%	866.50	866.50	866.50	07.08.2019	
115	SERIES 115 II	9.15%	100.00	100.00	100.00	07.07.2019	

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at 31.03.2019	31.03.2018	01.04.2017	Date of Redemption	Redemption details
116	SERIES 135-B	8.50%	1,500.00	1,500.00	1,500.00	29.06.2019	
117	SERIES 174	7.80%	3,300.00	3,300.00	-	07.06.2019	
118	SERIES 90-B	9.41%	-	-	391.00	01.06.2019	
119	SERIES 148	7.95%	1,915.00	1,915.00	1,915.00	13.05.2019	
120	SERIES 145	7.85%	2,928.00	2,928.00	2,928.00	15.04.2019	
121	Taxable Bonds Series 113	9.69%	-	2,240.00	2,240.00	03.03.2019	
122	SERIES 143	8.12%	-	700.00	700.00	28.02.2019	
123	SERIES 98-III	8.72%	-	324.00	324.00	08.02.2019	
124	Taxable Bonds Series 112A	9.70%	-	270.00	270.00	31.01.2019	
125	SERIES 82-C	9.70%	-	2,060.00	2,060.00	15.12.2018	
126	SERIES 52-C	11.25%	-	1,950.60	1,950.60	28.11.2018	
127	SERIES 142-B	8.00%	-	1,000.00	1,000.00	22.10.2018	
128	Taxable Bonds Series 109	9.81%	-	4,500.00	4,500.00	07.10.2018	
129	SERIES 51-C	11.00%	-	3,024.40	3,024.40	15.09.2018	
130	SERIES 140-A	8.28%	-	1,930.00	1,930.00	04.09.2018	
131	SERIES 139-C	8.17%	-	800.00	800.00	18.08.2018	
132	SERIES 49-B	10.85%	-	428.60	428.60	11.08.2018	
133	SERIES 161	6.90%	-	1,850.00	1,850.00	16.07.2018	
134	SERIES 162	6.90%	-	1,060.00	1,060.00	16.07.2018	
135	SERIES 48-C	10.55%	-	259.70	259.70	15.07.2018	
136	SERIES 135-A	8.40%	-	1,210.00	1,210.00	29.06.2018	
137	SERIES 130-A	8.40%	-	1,175.00	1,175.00	19.06.2018	
138	SERIES 129-A	8.29%	-	980.00	980.00	19.06.2018	
139	SERIES 129-B	8.29%	-	100.00	100.00	13.06.2018	
140	SERIES 47-C	9.68%	-	780.70	780.70	09.06.2018	
141	SERIES 134-B	8.39%	-	1,500.00	1,500.00	28.05.2018	
142	SERIES 132-B	8.09%	-	200.00	200.00	16.05.2018	
143	SERIES 131-A	8.34%	-	100.00	100.00	27.04.2018	
144	SERIES 132-A	8.03%	-	272.00	272.00	09.04.2018	
145	Series 102-A(I)	8.90%	-	-	403.00	18.03.2018	Redeemable at par on maturity
146	Series 101-A	8.95%	-	-	3,201.00	11.03.2018	
147	Series 99-A	8.77%	-	-	2.00	20.02.2018	
148	Series 98-II	8.72%	-	-	324.00	08.02.2018	
149	Series 72-A	8.97%	-	-	144.00	15.01.2018	
150	Series 40-C	9.28%	-	-	650.00	28.12.2017	
151	Series 123-A	8.50%	-	-	1,075.00	28.11.2017	
152	Series 18	7.87%	-	-	25.00	13.11.2017	
153	Series 121-A	8.90%	-	-	1,500.00	21.10.2017	
154	Series 142-A	7.88%	-	-	800.00	21.10.2017	
155	Series 93-B	8.91%	-	-	950.00	15.10.2017	
156	Series 17	8.21%	-	-	25.00	03.10.2017	
157	Series 118-A	9.30%	-	-	2,160.00	27.08.2017	
158	Series 92-A	9.01%	-	-	50.00	21.08.2017	
159	Series 92-B	9.27%	-	-	1,930.00	21.08.2017	
160	Series 117-A	9.32%	-	-	1,311.00	19.08.2017	
161	Series 115-I	9.11%	-	-	1,650.00	07.07.2017	
162	Series 91-A	9.40%	-	-	107.50	29.06.2017	
163	Series 90-A	9.61%	-	-	537.90	01.06.2017	
164	Series 134-A	8.35%	-	-	1,500.00	27.05.2017	
165	Series 13	9.60%	-	-	65.00	24.05.2017	
166	Series 139-B	8.12%	-	-	1,435.00	22.05.2017	
167	Series 35	9.96%	-	-	530.00	18.05.2017	
168	Series 13	9.60%	-	-	125.00	16.05.2017	
169	Series 89-A	9.52%	-	-	165.00	02.05.2017	

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
170	Series 133-B	8.00%	-	-	605.00	24.04.2017	Redeemable at par on maturity
171	Series 144	7.98%	-	-	1,775.00	21.04.2017	
172	Series 139-A	8.12%	-	-	565.00	17.04.2017	
173	Series 133-A	8.00%	-	-	545.00	03.04.2017	
	Total		**167,774.95**	**177,176.95**	**173,383.50**		

15.7 The details of Foreign Currency Notes outstanding are as follows:

Sr. No.	Bond Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
1	6.15% USD bonds 2028	6.15%	3,457.75	-	-	06.12.2028	Redeemable at par on maturity
2	5.25% USD bonds 2028	5.25%	2,074.65	-	-	10.08.2028	
3	3.75% USD green bonds 2027	3.75%	2,766.20	2,607.00	-	06.12.2027	
4	6.61 % Senior Notes (USPP)	6.61%	-	-	1,167.30	05.09.2017	
	Total		**8,298.60**	**2,607.00**	**1,167.30**		

15.8 Details of Commercial Paper outstanding are as follows:

Sr. No.	CP Series	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
1	CP-108	7.85%	3,000.00	-	-	06.03.2020	Redeemable at par on maturity
2	CP-109	7.39%	1,500.00	-	-	16.09.2019	
3	CP-106	7.15%	3,000.00	-	-	13.05.2019	
4	CP-105	7.44%	2,500.00	-	-	15.04.2019	
5	CP-90	6.65%	-	1,925.00	-	10.08.2018	
6	CP-94	7.00%	-	2,000.00	-	25.06.2018	
7	CP-93B	7.40%	-	1,100.00	-	15.06.2018	
8	CP85	6.80%	-	1,105.00	-	15.05.2018	
9	CP-93A	7.30%	-	900.00	-	27.04.2018	
	Total		**10,000.00**	**7,030.00**	**-**		
	Less: Unamorized Financial Charges		284.08	105.26	-		
	Total		**9,715.92**	**6,924.74**	**-**		

15.9 The Bond Series 86D,86C,Series III,Series IV of Infrastructure Bonds are secured by First pari-passu charge of present and future receivables (excluding those receivables which are specifically charged for infra bond issue during the FY 2010-11) along with first pari passu charge on immovable property situated at Guindy, Chennai.

15.10 The Bond Series I, II of Infrastructure Bonds are secured by charge on specfic book debt of ₹ 3,090.80 crore as on 31.03.2016 of the Company along with first charge on immovable property situated at Janpura, New Delhi.

15.11 The Bond Series tranche-I-Series II, 95B,94B,80B,79B of Tax free Bonds are secured by first pari-passu charge on total receivables of the Company (excluding those receivables on which specific charge already created) along with first pari-passu charge on immovable property situated at Guindy, Chennai.

15.12 All other Tax free bond Series are secured by first pari-passu charge on total book debts of the Company (excluding the book debts on which specific charge has already been created), limited to the extent of payment / repayment of the bonds including interest, additional interest, cost and expenses and all other monies what so ever payable / repayable by the Company to the Bondholders and / or other under / pursuant to the transaction documents.

15.13 The Bond Series I, II of 54 EC Capital Gain Tax Exemption Bonds are secured by First pari-passu charge on total receivables of the Company, excluding the receiavbles on which specific charge has already been created by the Company, limited to the extent of payment / repayment of the Bonds including interest, additional interest, cost and expenses and all other monies whatsoever payable / repayable by the Company to the Bondsholders and / or others under / pursuant to the transaction documents.

15.14 The Bond Series 109,112 A,112 B, 112 C ,113 of Taxable Bonds are secured by First pari-passu charge on total receivables of the Company, excluding the receiavbles on which specific charge has already been created by the Company, limited to the extent of payment / repayment of Bonds including interest, additional interest, cost and expenses and all other monies whatsoever payable / repayable by the Company to the Bondsholders and / or other under / pursunt to the transaction documents.

16 Borrowings (other than Debt Securities)

The Company has categorised Borrowings (other than Debt Securities) at amortised cost in accordance with the requirements of Ind AS 109.

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(A)	**Term Loans**			
	(i) From Banks and Financial Institutions			
	- Foreign Currency Loans (Refer Note. 16.1)	4,676.17	3,191.03	204.23
	- Syndicated Foreign Currency Loans (Refer Note. 16.2)	15,852.09	12,462.05	7,072.35
	- Rupee Term Loan (Refer Note. 16.4)	38,703.55	10,525.00	2,000.00
	(ii) From other Parties			
	- Rupee Term Loan - GoI (Refer Note. 16.5)	7,500.00	-	-
(B)	**Other Loans from Banks**			
	(i) Loan against Term Deposits (Refer Note 7.1 and 16.6)	12,737.18	-	2,400.79
	(ii) Working Capital Demand Loan / Overdraft / Cash Credit / Line of Credit (Refer Note. 16.6)	620.00	-	-
(C)	Interest accrued but not due on above	402.77	66.35	26.17
(D)	Unamortised Transaction Cost on above	(147.23)	(164.26)	(111.78)
	Total Borrowings (other than Debt Securities)	**80,344.53**	**26,080.17**	**11,591.76**
	Geography wise Borrowings			
	(i) Borrowings in India	59,899.50	10,541.41	4,401.23
	(ii) Borrowings outside India	20,445.03	15,538.76	7,190.53
	Total Geography wise Borrowings	**80,344.53**	**26,080.17**	**11,591.76**

16.1 Details of Unsecured Foreign Currency Loans outstanding are as follows:

Sr. No.	Particulars	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
		31.03.2019	31.03.2018	01.04.2017		
1	KFW-I	48.05	53.04	48.04	Semi Annual Installments Till 30.12.2035	Redeemable at par on maturity
2	ADB	82.80	87.36	96.21	Semi Annual Installments Till 15.10.2028	
3	Credit National	50.24	61.08	59.98	Semi Annual Installments Till 30.06.2028	
4	SBI FCNR(B)	1,728.88	1,629.38	-	20.03.2020	Bullet Repayment at the end of the tenor
5	ICICI Bank FCNR(B) - IV	691.55	-	-	28.06.2019	
6	ICICI Bank FCNR(B) - III	691.55	-	-	12.06.2019	
7	ICICI Bank FCNR(B) - II	691.55	-	-	03.06.2019	
8	ICICI Bank FCNR(B)	691.55	651.75	-	26.04.2019	
9	Bank of Baroda FCNR (B) - II	-	201.32	-	22.02.2019	
10	Bank of Baroda FCNR (B) - I	-	507.10	-	15.02.2019	
	Total Foreign Currency Loans	**4676.17**	**3191.03**	**204.23**		

16.2 Details of Unsecured Syndicated Foreign Currency Loans outstanding are as follows:

Sr. No.	Particulars	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
		31.03.2019	31.03.2018	01.04.2017		
1	SLN 27	1,024.32	-	-	01.02.2024	Bullet Repayment at the end of the tenor
2	SLN 26	1,728.88	-	-	26.09.2023	
3	SLN 22	1,728.88	1,629.37	-	28.02.2023	
4	SLN 23	1,728.88	1,629.38	-	22.03.2023	
5	SLN 21	2,074.65	1,955.25	-	12.12.2022	
6	SLN 17	3,111.98	2,932.86	2,918.25	3 Equal Installments (28.09.2020, 26.03.2021 and 24.09.2021)	Redeemable in three equal instalments
7	SLN 18	2,725.65	2,685.81	2,532.85	3 Equal Installments (06.11.2020, 08.11.2021 and 04.11.2022)	Redeemable in three equal instalments
8	SLN 16	1,728.88	1,629.38	1,621.25	04.12.2019	Bullet Repayment at the end of the tenor
	Total Syndicated Foreign Currency Loans	**15852.09**	**12462.05**	**7072.35**		

16.3 Foreign Currency Borrowings in above Note No. 16.1 and 16.2 have been raised at interest rate spread ranging from 62 bps to 195 bps over 3 months /6 Months USD/JPY LIBOR (London Inter Bank Offered Rate).

16.4 Details of Rupee Term Loan outstanding are as follows:

(i) Secured Rupee Term Loan

Sr. No.	Particulars	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
1	Oriental Bank of Commerce	8.75%	1,500.00	-	-	25.02.2025	There is a moratorium period of 2 years on principal repayment and after the completion of moratorium period of 02 years from date of disbursement, the loan is to be repaid in 04 annual installments of ₹375 crore each starting from 25-Feb-22 and ending on 25-Feb-2025
2	Corporation Bank	8.70%	1,000.00	-	-	15.03.2024	The loan is to be repaid in 5 annual installments of ₹200 crore each starting from 15-Mar-2020 and ending on 15-Mar-2024
3	Bank of Maharashtra	8.75%	750.00	-	-	11.03.2024	Moratorium: 2 years (8 quarters) from the date of 1st disbursement. Principal shall be repaid in 12 structured quarterly installments, i.e. 4 installments of ₹18.75 crore each from 9th-12th quarter, 4 installments of ₹56.25 crore each from 13th-16th quarter and thereafter 4 installments of ₹112.50 crore each from 17th-20th quarter
4	Bank of India	8.70%	1,000.00	-	-	02.03.2024	Bullet Repayment at the end of the tenor
5	Canara Bank	8.70%	1,000.00	-	-	20.02.2024	Bullet Repayment at the end of the tenor
6	UCO Bank	8.70%	200.00	-	-	02.03.2022	Bullet Repayment at the end of the tenor
	Total Secured Rupee Term Loan		**5450.00**	**0.00**	**0.00**		

(ii) **Unsecured Rupee Term Loan**

Sr. No.	Particulars	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
1	Bank of India	8.70%	2,000.00	-	-	21.01.2024	
2	Canara Bank	8.70%	1,000.00	-	-	28.12.2023	
3	United Bank of India	8.65%	1,000.00	-	-	24.12.2023	
4	HDFC Bank Ltd.	8.45%	750.00	-	-	05.10.2023	
5	State Bank of India	8.45%	6,000.00	-	-	27.09.2023	
6	Vijaya Bank	7.90%	-	1,000.00	-	13.03.2023	
7	India Infrastructure Finance Company Limited	8.38%	800.00	-	-	14.09.2021	
8	UCO Bank	8.25%	1,000.00	-	-	23.08.2021	
9	Bank of Baroda	8.75%	700.00	-	-	04.03.2021	
10	HDFC Bank Ltd.	8.40%	750.00	750.00	-	30.09.2020	
11	Canara Bank	8.35%	1,500.00	-	-	13.09.2020	
12	Bank of India	8.30%	1,000.00	-	-	06.08.2020	
13	Andhra Bank	8.25%	1,979.00	-	-	29.06.2020	
14	Vijaya Bank	8.45%	2,000.00	-	-	19.06.2020	
15	Punjab National Bank	8.15%	2,000.00	-	-	05.06.2020	
16	Punjab National Bank	8.15%	2,000.00	-	-	24.05.2020	Bullet Repayment at the end of the tenor
17	India Infrastructure Finance Company Limited	7.99%	775.00	-	-	30.09.2019	
18	Andhra Bank	7.90%	-	277.07	-	30.09.2019	
19	India Infrastructure Finance Company Limited	7.70%	-	775.00	-	30.09.2019	
20	Andhra Bank	7.90%	-	1,722.93	-	29.09.2019	
21	Vijaya Bank	7.90%	-	1,000.00	-	05.09.2019	
22	Allahabad Bank	8.25%	2,000.00	-	-	08.08.2019	
23	Bank of Baroda	8.35%	2,000.00	-	-	30.07.2019	
24	Bank of Baroda	8.35%	999.55	-	-	22.07.2019	
25	Allahabad Bank	7.85%	-	2,000.00	-	28.05.2019	
26	State Bank of India	7.85%	-	2,000.00	-	30.04.2019	
27	State Bank of India	8.25%	3,000.00	-	-	19.04.2019	
28	State Bank of India	7.85%	-	1,000.00	-	19.04.2019	
29	ICICI Bank	7.90%	-	-	1,500.00	30.04.2018	
30	J&K	8.10%	-	-	500.00	30.04.2018	
	Total Unsecured Rupee Term Loan		**33253.55**	**10525.00**	**2000.00**		
	Total Rupee Term Loan (Unsecured & Secured)		**38703.55**	**10525.00**	**2000.00**		

16.5 Details of Unsecured Rupee term Loan - GoI outstanding are as follows:

Sr. No.	Particulars	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
1	National Small Savings Fund Scheme (NSSF)	8.11%	7,500.00	-	-	27.12.2028	Bullet Repayment at the end of the tenor

16.6 Details of Loan against Term Deposits are as follows:

Sr. No.	Name of Bank	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
		31.03.2019	31.03.2018	01.04.2017		
1	Tamilnad Mercantile Bank	382.00	-	-	03.04.2019	Bullet Repayment at the end of the tenor
2	J & K	-	-	100.00	03.04.2017	
3	Punjab National Bank	1,525.44	-	-	03.04.2019	
4	South Indian Bank	317.92	-	-	02.04.2019	
5	Oriental Bank of Commerce	1,805.00	-	-	03.04.2019	
6	Oriental Bank of Commerce	-	-	177.15	03.04.2017	
7	Indian Bank	1,995.00	-	-	02.04.2019	
8	Vijaya Bank	1,890.00	-	-	02.04.2019	
9	Vijaya Bank	-	-	1,800.00	03.04.2017	
10	Punjab National Bank	344.13	-	-	02.04.2019	
11	Punjab National Bank	26.43	-	-	02.04.2019	
12	Punjab National Bank	1,291.94	-	-	03.04.2019	
13	Canara Bank	1,704.13	-	-	02.04.2019	
14	UCO Bank	500.00	-	-	02.04.2019	
15	HDFC Bank	955.19	-	-	02.04.2019	
16	Allahabad Bank	-	-	323.64	03.04.2017	
	Total Loan against Term Deposits	**12,737.18**	**-**	**2,400.79**		

16.7 Details of Unsecured WCDL / OD / CC / Line of Credit outstanding are as follows:

Sr. No.	Name of Bank	Coupoun Rate (p.a.)	Principal Amount (₹ in crore) outstanding as at			Date of Redemption	Redemption details
			31.03.2019	31.03.2018	01.04.2017		
1	Bank of India	8.20 %	250.00	-	-	08.04.2019	Bullet Repayment at the end of the tenor
2	Punjab National Bank	8.15 %	370.00	-	-	08.04.2019	Bullet Repayment at the end of the tenor
	Total WCDL / OD / CC / Line of Credit		**620.00**	**-**	**-**		

16.8 None of the borrowings have been guaranteed by Directors.

16.9 There has been no default in repayment of borrowings and interest during periods presented above.

16.10 Refer Note No. 9 for carrying values of the receivable pledged as security against secured rupee term loans. Secured Rupee Term Loans are secured by first pari-passu charge in favour of Lending Bank on the receivables of the Company limited to payment/repayment of the term loan including interest, additional interest, cost and expenses and all other monies whatsoever payable/repayable by the Company to Lending Bank and/or others under/pursuant to the this security document except for those receivables already charged in favour of Catalyst Trusteeship Ltd. (formally known as GDA Trusteeship Limited)

17 Subordinated Liabilities

The Company has categorised Subordinated Liabilities at amortised cost in accordance with the requirements of Ind AS 109.

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(A)	**Subordinated Liabilities**			
	(i) Subordinated Bonds (Refer Note 17.1)	9,211.50	3,800.00	3,800.00
	(ii) Interest accrued but not due on above	102.30	93.59	93.59
	(iii) Unamortised Transaction Cost on above	(4.10)	(0.83)	(0.95)
	Total Subordinated Liabilities	**9,309.70**	**3,892.76**	**3,892.64**
(B)	**Geography wise Subordinated Liabilities**			
	(i) Subordinated Bonds in India	9,309.70	3,892.76	3,892.64
	(ii) Subordinated Bonds outside India	-	-	-
	Total Geography wise Subordinated Liabilities	**9,309.70**	**3,892.76**	**3,892.64**

17.1 Details of Subordinated Bonds are as under :

(₹ in crore)

Sr. No.	Bond Series	Coupon Rate	Amount outstanding as at		
			31.03.2019	31.03.2018	01.04.2017
1	Subordinated Tier II Debt Bond	9.70%	2,000.00	2,000.00	2,000.00
2	Subordinated Tier II Debt Bond	9.65%	1,000.00	1,000.00	1,000.00
3	Subordinated Tier II Debt Bond	8.19%	800.00	800.00	800.00
4	Subordinated Tier II Debt Bond	9.10%	2,411.50	-	-
5	Subordinated Tier II Debt Bond	8.98%	1,000.00	-	-
6	Subordinated Tier II Debt Bond	9.25%	2,000.00	-	-
	Total		**9,211.50**	**3,800.00**	**3,800.00**

18 Other Financial Liabilities

The Company has categorised Other Financial Liabilities at amortised cost in accordance with the requirements of Ind AS 109.

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Payable for GoI Serviced Bonds (Refer Note. 18.1)	5,038.21	5,038.21	5,038.21
(ii)	Advance received from Subsidiaries and Associates*	189.11	163.69	161.80
(iii)	Unpaid Dividends (Refer Note. 18.2)			
	- Unclaimed Dividends	3.16	2.63	1.43
(iv)	Unpaid - Bonds and Interest Accrued thereon (Refer Note. 18.2)			
	- Unclaimed Bonds	1.15	3.93	0.52
	- Unclaimed Interest on Bonds	13.95	14.10	14.17
(v)	Others			
	- Application Money Refundable on Bonds and interest accrued thereon	0.77	0.84	0.88
	- Interest Subsidy Fund (Refer Note. 18.3)	15.96	112.51	103.19
	- Interim Dividend Payable	-	-	1,320.04
	- Others	65.53	57.28	618.28
	Total Other Financial Liabilities	**5,327.84**	**5,393.19**	**7,258.52**

*Payable in cash

18.1 Details of GoI Serviced Bonds (Unsecured Taxable Bonds) :

Sr. No.	Bond Series	Coupon Rate	Date of Redemption	Amount (₹ in crore) outstanding as at		
				31.03.2019	31.03.2018	01.04.2017
1	PFC Bond Series 164-GoI Fully Serviced Bond	7.75%	22.03.2027	2,000.00	2,000.00	2,000.00
2	PFC Bond Series 160-GoI Fully Serviced Bond	7.60%	20.02.2027	1,465.00	1,465.00	1,465.00
3	PFC Bond Series 158-GoI Fully Serviced Bond	7.18%	20.01.2027	1,335.00	1,335.00	1,335.00
4	PFC Bond Series 156-GoI Fully Serviced Bond	7.10%	11.01.2027	200.00	200.00	200.00
5	Interest accured on above			38.21	38.21	38.21
	Total GoI Serviced Bonds (Unsecured Taxable Bonds)			**5,038.21**	**5,038.21**	**5,038.21**

18.2 Unpaid dividends, unclaimed bonds and interest thereon include the amounts which have either not been claimed by the investors/holders of the instruments or are on hold pending legal formalities etc. Out of the above, the amount eligible to be transferred to Investor Education and Protection Fund has been transferred.

18.3 Interest Subsidy Fund under Accelerated Generation & Supply Programme (AG&SP):

(i) The Company claimed subsidy from GoI at net present value calculated at indicative interest rates in accordance with GOI's letter vide D.O.No.32024 / 17 / 97 – PFC dated 23.09.1997 and O.M.No.32024 / 23 / 2001 – PFC dated 07.03.2003, irrespective of actual repayment schedule, moratorium period and duration of repayment. Amount of interest subsidy received and to be passed on to the borrower is retained as Interest Subsidy Fund Account. Impact of difference between indicative rate and period considered at the time of claims and at the time of actual disbursement can be ascertained only after end of respective schemes. However, on the basis of projections made for each project (based upon certain assumptions that these would remain same over the projected period of each loan / project), the Company estimated net excess amount of Nil and ₹ 16.04 crore as at 31.03.2019 (As at 31.03.2018 ₹ 9.64 crore and ₹ 103.09 crore; As at 01.04.2017 ₹ 8.67 crore and ₹ 93.56 crore) for IX and X Plans, respectively under AG&SP schemes, and there is no shortfall. This net excess amount is worked out on overall basis and not on individual basis and may vary due to change in assumptions, if any, during the projected period such as changes in moratorium period, repayment period, loan restructuring, pre-payment, interest rate reset etc. Any excess / shortfall in the interest subsidy fund will be refunded or adjusted / charged off on completion of respective scheme.

Balance under the head Interest Subsidy Fund shown as liability, representing amount of subsidy received from MoP, GoI, comprises of the following : -

(₹ in crore)

Description	Year ended 31.03.2019	Year ended 31.03.2018
Opening Balance	**112.51**	**103.19**
Add : Received during the period	-	-
: Interest credited during the period	3.45	9.32
: Refund by the borrower due to non - commissioning of project in time	-	-
Less : Refunded to MoP:-		
(a) Estimated net excess against IX & X Plan	100.00	-
(b) Due to non- commissioning of Project in time	-	-
Closing Balance	**15.96**	**112.51**

- Interest subsidy passed on to borrowers during FY 2018-19 is ₹ 1.95 crore (previous year ₹ 3.01 crore).

19 Provisions

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	**For Employee Benefits:**			
	- Gratuity	0.75	1.50	1.22
	- Leave Encashment	27.31	21.23	30.68
	- Economic Rehabilitation of Employees	1.69	1.67	1.63
	- Provision for Bonus / Incentive	33.74	11.18	5.68
	- Provision for Staff Welfare Expenses	13.80	11.26	8.90
	- Proposed Wage Revision	-	48.94	9.94
(ii)	**Impairment Loss Allowance - Letter of Comfort (Refer Note 19.1)**	186.71	195.39	5.61
	Total Provisions	**264.00**	**291.17**	**63.66**

19.1 Movement of Impairment on Letter of Comfort

(₹ in crore)

Sr. No.	Particulars	FY 2018-19	FY 2017-18
(i)	Opening balance	195.39	5.61
(ii)	Add: Creation during the year	6.07	195.31
(iii)	Less: Reversal during the year	(14.75)	(5.53)
(iv)	Closing balance	186.71	195.39

19.2 Letter of Comfort is in the nature of commitment to the borrowers, hence the impairment allowance on the same has been categorised as provisons.

20 Other Non-Financial Liabilities

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Unamortised Fee - Undisbursed Loan Assets	96.36	92.45	71.16
(ii)	Statutory dues payable			
	- Corporate Interim Dividend Distribution Tax Payable	-	-	67.18
	- Others	4.49	20.12	20.10
	Total Other Non-Financial Liabilities	**100.85**	**112.57**	**158.44**

21 Equity Share Capital

Sr. No.	Particulars	As at 31.03.2019		As at 31.03.2018		As at 01.04.2017	
		Number	Amount (₹ in crore)	Number	Amount (₹ in crore)	Number	Amount (₹ in crore)
(A)	**Authorised Capital**						
	Equity Share Capital (Par Value per share ₹ 10)	11,000,000,000	11,000.00	11,000,000,000	11,000.00	11,000,000,000	11,000.00
	Preference Share Capital (Par Value per share ₹ 10)	2,00,000,000	200.00	2,00,000,000	200.00	2,00,000,000	200.00
(B)	**Issued, Subscribed and Fully Paid-up Capital**						
	Equity Share Capital (Par Value per share ₹ 10)	2,640,081,408	2,640.08	2,640,081,408	2,640.08	2,640,081,408	2,640.08
(C)	**Reconciliation of Equity Share Capital**						
	Opening Equity Share outstanding	2,640,081,408	2,640.08	2,640,081,408	2,640.08	2,640,081,408	2,640.08
	Changes during the year	-	-	-	-	-	-
	Closing Equity Share capital	2,640,081,408	2,640.08	2,640,081,408	2,640.08	2,640,081,408	2,640.08

21.1 Pursuant to amalgamation of PFCGEL (Company's wholly owned subsidiary) with the PFC, authorised equity share capital and authorised preference share capital of the Company got enhanced by ₹ 1,000 crore and ₹ 200 crore respectively, from effective date of amalgamation i.e. 01.04.2017 as per the scheme of amalgamation.

21.2 Rights, preferences and restriction attached to equity shares

The Company had issued equity shares having par value of ₹ 10 per share. The holders of the equity shares are entitled to receive dividends as declared from time to time and are entitled to voting rights proportionate to their shareholding at the meeting of the shareholders. Dividend proposed by Board of Directors is subject to approval of the shareholders in the ensuing Annual General Meeting.

21.3 Shares in the Company held by each shareholder holding more than 5% of the shares

	Particulars	As at 31.03.2019		As at 31.03.2018		As at 01.04.2017	
		Number of Shares	%	Number of Shares	%	Number of Shares	%
(i)	President of India	1,558,889,417	59.05%	1,740,216,107	65.92%	1,751,631,394	66.35%
(ii)	Life Insurance Corporation of India	1,56,320,146	5.92%	1,57,476,305	5.96%	2,28,252,101	8.65%
(iii)	USB Principal Capital Asia Ltd	1,42,238,384	5.39%	48,260,435	1.83%	-	0.00%
(ii)	HDFC Trustee	1,98,898,595	7.53%	85,121,960	3.22%	25,479,486	0.97%

21.4 Shares reserved for issue under options and contract / commitment for the sale of shares or disinvestment, including the terms and amount : Nil

21.5 During the period of last 5 years, the Company has issued bonus shares in the ratio of 1:1 during FY 2016-17 and has not bought back any shares.

21.6 Terms of any securities convertible into equity shares issued along with the earliest date of conversion in descending order starting from the farthest such date : Nil

21.7 Calls unpaid (showing aggregate value of calls unpaid by directors and officers) : Nil

21.8 Forfeited shares (amount originally paid up) : Nil

21.9 Management of Capital : Refer Note 32.1

21.10 During FY 2018-19 Government of India (GoI) has transferred 1,93,72,120 and 16,19,54,570 numbers of equity shares held in the Company, in connection with New Fund Offer, to the Asset Management Company (AMC) of Bharat 22 ETF and CPSE ETF respectively.

22 Other Equity*

(₹ in crore)

Sr. No.	Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
(i)	Debenture Redemption Reserve (Note No. 22.1 (i))	2,014.25	1,726.82	1,434.17
(ii)	Securities Premium (Note No. 22.1 (ii))	2,776.54	2,776.54	2,776.54
(iii)	Foreign Currency Monetary Item Translation Difference Account (Note No. 22.1 (iii))	(769.72)	(356.41)	(288.12)
(iv)	Special Reserve created u/s 45-IC(1) of Reserve Bank of India Act, 1934 (Note No. 22.1 (iv))	1,413.94	23.36	16.99
(v)	Reserve for Bad & doubtful debts u/s 36(1)(viia)(c) of Income-Tax Act,1961 (Note No. 22 (v))	3,740.21	3,386.79	3,014.69
(vi)	Special Reserve created u/s 36(1)(viii) of Income Tax Act, 1961 up to Financial Year 1996-97 (Note No.22.1 (vi))	599.85	599.85	599.85
(vii)	Special Reserve created and maintained u/s 36(1)(viii) of Income Tax Act, 1961 from Financial Year 1997-98 (Note No. 22.1 (vi))	17,498.27	15,920.36	14,325.30
(viii)	Interest Differential Reserve - KFW Loan (Note No. 22.1 (vii))	60.00	57.90	56.41
(ix)	General Reserve (Note No. 22.1 (viii))	7,438.68	6,438.68	5,438.68
(x)	Retained Earnings (Note No. 22.1 (ix))	6,202.53	3,848.43	5,184.72
(xi)	Reserve for Equity Instruments through Other Comprehensive Income (Note No. 22.1 (x))	(276.49)	(106.25)	225.77
(xii)	Reserve for Effective portion of gains and loss on hedging instruments in a Cash Flow Hedge through Other Comprehensive Income (Note No. 22.1- (xi))	(50.15)	-	-
	Total Other Equity*	**40,647.91**	**34,316.07**	**32,785.00**

*For movements during the period refer Standalone Statement of Changes in Equity.

22.1 Nature and purpose of reserves

(i) Debenture Redemption Reserve (DRR)

Debenture redemption reserve represents allocation from profits for public issue of bonds or debentures @ 50% (as per MCA Circular No. 6/3/2001 – CL.V dated 18.04.2002) for public issues wherein prospectus had been filed before 11.02.2013 and @ 25% (as required by Companies (Share Capital and Debentures) Rules, 2014) for the subsequent public issues. The Company transfers amount from this reserve to retained earnings when the bonds/ debentures got redeemed.

(ii) Securities Premium

Securities premium represents amount of premium received on issue of share capital net of expense incurred on issue of shares.This amount is utilised in accordance with the provisions of the Companies Act, 2013.

(iii) Foreign Currency Monetary Item Translation Difference Account

Foreign Currency Monetary Item Translation Difference Account represents unamortized foreign exchange gain/loss on Long-term Foreign Currency Borrowings (existing as on 31.03.2018) that are amortized over the tenure of the respective borrowings.

(iv) Special Reserve created u/s 45-IC(1) of Reserve Bank of India Act, 1934

Special Reserve created u/s 45-IC(1) of Reserve Bank of India Act, 1934 represents transfer from retained earning @ 20 % of net profit after tax for the year as disclosed in profit and loss account and before any dividend is declared.

(v) Reserve for Bad & doubtful debts u/s 36(1)(viia)(c) of Income-Tax Act,1961

Reserve for Bad & doubtful debts have been created to avail income tax deduction under section 36(1)(viia)(c) of Income-Tax Act,1961.

(vi) Special Reserve created u/s 36(1)(viii) of Income Tax Act, 1961

Special reserve have been created to avail income tax deduction under section 36(1)(viii) of Income-Tax Act,1961 @ 20% of the profit before tax arrived from the business of providing long term finance in a year.

(vii) Interest Differential Reserve - KFW Loan

The reserve represents difference between the interest due and interest paid on kfw loan as per the loan agreement. Exchange gain/loss upon re-statement of loan balance, in accordance with the terms of the Foreign currency borrowing from KFW, is adjusted against this reserve. Any unadjusted balance in the reserve after complete repayment of KFW Loan shall be used for further lending by the Company after consulting with KFW. The Company is not required to repay the unadjusted balance in the reserve after complete repayment of KFW Loan.

(viii) General Reserve

General Reserve is created by transfer from other component of equities and used for appropriation purposes.

(ix) Retained earnings

Retained earnings represent profits and items of other comprehensive income recognised directly in retained earnings earned by the Company less dividend distributions and transfer to and from other reserves.

(x) Reserve for Equity Instruments through Other Comprehensive Income

The Company elected to recognise changes in the fair value of certain investment in equity instruments through other comprehensive income. This reserves represents cumulative gains and losses arising on the revaluation of equity instruments measured at fair value through other comprehensive income. When the asset is derecognized, amounts in the reserve are subsequently transferred to retained earnings and not to standalone statement of profit and loss. Dividends on such investments are recognized as profit or loss unless the dividend clearly represents a recovery of part of the cost of the investment.

(xi) Reserve for Effective portion of gains and loss on hedging instruments in a Cash Flow Hedge

The cash flow hedging reserve represents the cumulative effective portion of gains or losses arising on changes in fair value of designated portion of hedging instrument entered into for cash flow hedges. The cumulative gain or loss arising on changes in fair value of the designated portion of the hedging instruments that are recongnised and accumulated under the heading of cash flow hedging reserve, will be reclassified to profit or loss only when the hedged transaction affects the profit or loss, or included as a basis adjustment to the non-financial hedged item.

23 Interest Income

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019		Year ended 31.03.2018	
		On Financial Assets measured at Amortised Coat	Interest Income on Financial Assets classified at fair value through profit or loss	On Financial Assets measured at Amortised Cost	Interest Income on Financial Assets classified at fair value through profit or loss
(i)	Interest on Loans	28,595.06	-	25,668.13	-
	Less : Rebate for Timely Payment to Borrowers	(485.79)	-	(389.60)	-
(ii)	Interest on Investment in Bonds	-	87.60	-	196.80
(iii)	Interest on Deposits with Bank	201.00	-	56.70	-
(iv)	Other Interest Income	43.10	-	30.00	-
	Total Interest Income	**28,353.37**	**87.60**	**25,365.23**	**196.80**

24 Fees and Commission Income

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019	Year ended 31.03.2018
(i)	Prepayment Premium on Loans	107.27	179.10
(ii)	Fee Based Income on Loans	21.81	58.10
(iii)	Fee for implementation of GoI Schemes (Refer Note 24.1 and 24.2)	19.94	30.39
	Total Fees and Commission Income	**149.02**	**267.59**

24.1 Re-structured Accelerated Power Development and Reforms Programme (R – APDRP) :

(i) The Company is Nodal Agency for operationalization and associated service for implementation of R – APDRP. Amounts received from GoI under R – APDRP as a Nodal agency for on-lending to eligible borrowers are back to back arrangements with no profit or loss arising to the Company. The amount on-lent but not converted in to grants as per applicable guidelines will become payable along-with interest to the GoI on receipt from borrowers. The amount recoverable from borrowers & payable to GoI under R – APDRP scheme stands at ₹ 16,507.55 crore as at 31.03.2019 (₹ 14,645.44 crore as at 31.03.2018 and ₹ 12,749.20 crore as at 01.04.2017).

(ii) The Company receives nodal agency fee and reimbursement of expenditure under R-APDRP scheme for operationalization and associated service for implementation of R – APDRP from MoP, GoI. The cumulative claim for fee and reimbursement of expenditure is 1.7% of likely project outlay under Part A & B of R-APDRP, subject to cap of ₹ 850 crore.

Total amount of nodal agency fee and reimbursement of expenditure received / receivable by the Company stands at ₹ 329.82 crore as at 31.03.2019 (₹ 301.94 crore as at 31.03.2018 and ₹ 280.72 crore as at 01.04.2017).

24.2 Integrated Power Development Scheme (IPDS) :

The Company has been designated as Nodal Agency for operationalization and implementation of IPDS scheme also under overall guidance of the MoP, GoI. Role of Nodal agency is mentioned in IPDS scheme which inter-alia includes administration of GoI grant to eligible utilities which can be recalled / pre-closed subject to certain conditions mentioned in IPDS scheme.

Amount of GOI grant administered to the eligible utilities till 31.03.2019 is ₹ 8,083.17 crore (₹ 5,329.82 crore as at 31.03.2018 and ₹ 2,561.01 crore as at 01.04.2017).

The Company is eligible for nodal agency fee totaling to 0.50% (to be accrued in phases as per scheme) of total project cost approved by Monitoring Committee or award cost, whichever is lower.

25 Net Gain/(Loss) on Fair Value Changes

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019	Year ended 31.03.2018
(i)	**On financial instruments designated at Fair value through Profit or Loss:**		
	- Change in Fair Value of Derivatives	84.98	(193.19)
	Total Net Gain/(Loss) on Fair Value Changes	**84.98**	**(193.19)**
	Fair value changes:		
(i)	- Realised	(153.85)	49.86
(ii)	- Unrealised	238.83	(243.05)
	Total Net Gain/(Loss) on Fair Value Changes	**84.98**	**(193.19)**

25.1 Fair value changes in this note are other than those arising on account of accrued interest income/expense.

26 Other Income

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019	Year ended 31.03.2018
(i)	Excess Liabilities written back	-	0.84
(ii)	Miscellaneous Income	9.29	3.56
	Total Other Income	**9.29**	**4.40**

27 Finance Costs

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019		Year ended 31.03.2018	
		On Financial liabilities measured at Amortised Cost	On Financial liabilities classified at fair value through profit or loss	On Financial liabilities measured at Amortised Cost	On Financial liabilities classified at fair value through profit or loss
(i)	**Interest on Borrowings**				
	- Term Loans and Others	2,668.42	-	393.16	-
(ii)	**Interest on Debt Securities**				
	- Bonds / Debentures	15,402.97	-	15,703.69	-
	- Commercial Papers	491.85	-	487.62	-
(iii)	**Interest on Subordinated Liabilities**	364.87	-	356.14	-
(iv)	**Other Interest Expense**				
	- Interest on Interest Subsidy Fund	3.46	-	9.32	-
	- Interest on Application Money - Bonds	0.08	-	0.03	-
	- Interest on advances received from Subsidiaries	6.18	-	5.93	-
	- Swap Premium (Net)	-	43.93	-	-
	Total Finance Costs	**18,937.83**	**43.93**	**16,955.89**	**-**

28 Fees and Commission Expense

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019	Year ended 31.03.2018
(i)	Agency Fees	0.74	0.39
(ii)	Guarantee, Listing and Trusteeship fees	2.72	2.17
(iii)	Credit Rating Fees	5.23	4.96
(iv)	Other Finance Charges	1.40	1.06
	Total Fees and Commission Expense	**10.09**	**8.58**

29 Impairment on Financial Instruments

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019	Year ended 31.03.2018
		On Financial Instruments measured at Amortised Cost	On Financial Instruments measured at Amortised Cost
(i)	Loans and Letter of Comfort	(879.27)	2,404.90
(ii)	Other Financial Instruments	7.79	(13.89)
	Total Impairment on Financial Instruments	**(871.48)**	**2,391.01**

29.1 Refer Note 32.2.1 for details of movement in impairment on financial assets.

30 Employee Benefits Expenses

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019	Year ended 31.03.2018
(i)	Salaries and Wages	133.33	130.59
(ii)	Contribution to Provident and other Funds	12.68	21.43
(iii)	Staff Welfare Expenses	23.51	19.17
(iv)	Rent for Residential Accommodation of Employees (Refer Note 30.2)	4.05	5.45
	Total Employee Benefits Expenses	**173.57**	**176.64**

30.1 Disclosures as per Ind AS 19 'Employee Benefits' in respect of provision made towards various employee benefits are provided in Note 34.

30.2 Rent for Residential Accommodation of Employees is on account of rent (net of recoveries) on lease arrangements for premises which are taken for residential use of employees and are usually renewable on mutually agreed terms and are cancellable.

31 Other Expenses

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019	Year ended 31.03.2018
(i)	Rent, Taxes and Energy Cost (Refer Note 31.1)	23.86	11.74
(ii)	Repairs and Maintenance	4.46	4.50
(iii)	Communication Costs	2.78	2.49
(iv)	Printing and Stationery	1.69	2.11
(v)	Advertisement and Publicity	11.85	8.69
(vi)	Directors Fees, Allowance and Expenses	0.12	0.06
(vii)	Auditor's fees and expenses (Refer Note 31.2)	1.14	0.86
(viii)	Legal & Professional charges	8.65	4.86
(ix)	Insurance	0.26	0.17
(x)	Travelling and Conveyance	15.96	16.27
(xi)	Net Loss / (Gain) on derecognition of Property, Plant and Equipment	0.32	0.42
(xii)	Other Expenditure	43.60	19.27
	Total Other Expenses	**114.69**	**71.44**

31.1 Pursuant to decapitalisation of Leasehold land, prepaid lease premium paid initially is being amortised over the remaining period of the lease term. Rent, Taxes & Energy Cost includes such amortisation of prepaid lease premium. Further, it includes rent for premises taken on lease for official use and are usually renewable on mutually agreed terms, and are cancellable. Refer Note 41.5(c)

31.2 Auditor's fees and expenses are as under :

(₹ in crore)

Sr. No.	Particulars	Year ended 31.03.2019	Year ended 31.03.2018
(i)	- Audit Fee	0.53	0.38
(ii)	- Taxation matters	0.07	0.07
(iii)	- Other services	0.49	0.39
(iv)	- Reimbursement of expenses	0.05	0.02
	Total	**1.14**	**0.86**

32 Financial Instruments

32.1 Capital Management

The Company maintains a capital base that is adequate in quantity and quality to support the Company's risk profile, regulatory and business needs. The Company sources funds from domestic and international financial markets, inter-alia leading to diverse investor base and optimised cost of capital. Refer Note 15, 16 & 17 and Standalone Statement of Changes in Equity for details.

As contained in RBI Master Directions - Non-Banking Financial Company - Systemically Important Non-Deposit taking Company and Deposit taking Company (Reserve Bank) Directions, 2016 (hereinafter referred to as "RBI Master Directions"), the Company is required to maintain a capital ratio consisting of Tier I and Tier II capital not less than 15% of its aggregate risk weighted assets on-balance sheet and of risk adjusted value of off-balance sheet items. Out of this, Tier I capital shall not be less than 10%. The Company regularly monitors the maintenance of prescribed levels of Capital to Risk Weighted Assets Ratio (CRAR). Further, with regard to capital restructuring, the Company is also guided, inter alia, by guidelines on "Capital Restructuring of Central Public Sector Enterprises" issued by Department of Investment and Public Asset Management (DIPAM), Ministry of Finance, Department of Public Enterprises in respect of issue of bonus shares, dividend distribution, buy back of equity shares etc.

Capital Risk Adjusted Ratio (CRAR) and other key financial parameters of the Company are as under:

(₹ in crore)

Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
CRAR - Tier I Capital	11.73%	14.04%	13.91%
CRAR - Tier II Capital	5.36%	3.08%	3.08%
Total CRAR	17.09%	17.12%	16.99%
Debt Equity Ratio*	6.66	6.21	5.72
Net worth (₹ in crore)	43,287.99	36,956.15	35,425.08

*Total Debt represents Principal outstanding.

Details of Subordinated Debt / Perpetual Debt raised are as under:

(₹ in crore)

Particulars	FY 2018-19	FY 2017-18
Amount of subordinated debt raised as Tier-II capital	5,411.50	-
Amount raised by issue of Perpetual Debt Instruments	-	-

Dividend Distribution Policy

The company has a well-defined dividend distribution policy. Dividend distribution policy focuses on various factors including but not limited to government guidelines, future capital expenditure plans, profits earned during the financial year, cost of raising funds from alternate sources, cash flow position and applicable taxes including tax on dividend, subject to the guidelines as applicable from time to time.

As per the extant guidelines issued by Department of Investment and Public Asset Management (DIPAM), Government of India, the Company is required to pay a minimum annual dividend of 30% of Profit after Tax or 5% of the net-worth, whichever is higher.

Nonetheless, the Company is expected to pay the maximum dividend permissible under the Act under which it has been set up, unless lower dividend is justified after considering parameters like Net-worth, CAPEX/Business Expansion needs; additional investments in subsidiaries / associates of the Company; etc.

32.2 Financial Risk Management

The Company is exposed to several risks which are inherent to the environment that it operates in. The Company is into business of extending financial assistance to power sector. The principal risks which are inherent with the Company's business model and from its use of financial instruments include credit risk, liquidity risk and market risk (currency risk & interest rate risk).

The following table broadly explains sources of risks which the Company is exposed to and how it manages the same and related impact in the financial statements:

Risk	Exposure arising from	Measurement	Risk Management
Credit Risk	Loans, financial assets, investments, cash and cash equivalents	Ageing analysis	Detailed appraisal process, credit limits and collateral including government guarantee
Liquidity Risk	Borrowings, debt securities, subordinated liabilities and other financial liabilities	Cash flow forecasts	Availability of committed credit lines and borrowing facilities
Market Risk - Foreign Currency Risk	Recognised financial liabilities not denominated in Indian Rupee (INR)	Sensitivity Analysis	Derivative contracts for hedging currency risk
Market Risk - Interest Rate Risk	Borrowings, debt securities, subordinated liabilities and loans at variable rates	Interest rate gap analysis	Mix of loan arrangements with varied interest rate terms, Derivative contract like interest rate swaps etc.

For managing these risks, the Company has put in place a mechanism to ensure that these risks are monitored carefully and managed efficiently. The risk management approach i.e. Company's objectives, policies and processes for measuring and managing each of above risk is set out in the subsequent subsections.

32.2.1 Credit Risk Management

Credit risk is the risk that a borrower or counterparty will default on its contractual obligations resulting in financial loss to the Company. Details of financial assets that expose the Company to credit risk are:

(₹ in crore)

Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Low Credit Risk			
Cash and cash equivalents	308.48	537.71	42.87
Bank balances other than included in cash and cash equivalents	13,846.53	15.49	3,530.29
Loans (Principal Outstanding)	2,75,658.63	2,34,050.93	1,91,178.84
Investments	16,586.20	2,520.04	3,870.38
Other financial assets	5,376.40	5,276.91	5,249.43
Moderate Credit Risk			
Loans (Principal Outstanding)	9,467.99	18,098.96	42,125.45
High Credit Risk			
Loans (Principal Outstanding)	29,540.31	26,866.80	12,286.29
Other financial assets	10.30	2.51	16.40

The Company is exposed to credit risk primarily through its lending operations. Credit risk on cash and cash equivalents is limited as these are held with scheduled commercial public sector banks and high rated private sector banks. For its investments, the Company manages its exposure to credit risk by investing in securities issued by counterparties having a high credit rating, periodic monitoring and taking necessary actions when required. The Company's credit risk management through its lending operations is explained in detail below:

Credit risk management approach for lending operations

The Company has put in place key policies and processes for managing credit risk, which include formulating credit policies, guiding the Company's appetite for credit risk exposures, undertaking reviews & objective assessment of credit risk, and monitoring performance and management of portfolios. All the procedures and processes of the Company are ISO 9001:2015 certified.

The credit risk management covers two key areas, i.e., Project appraisal & Project monitoring. The Company selects the borrowers in accordance with the Company's approved Credit policy, which inter alia, defines factors to be considered for rating of the borrower/ project. The Company's customer selection procedure assesses viability of project along with that of its promoting entity. Rate of interest and maximum admissible exposure is, inter alia, based on internal rating awarded by the Company.

(a) Project Appraisal

The Company follows a systematic, institutional project appraisal process to assess the credit risk before financing any project.

(i) Appraisal for Private Sector Power Projects

For private sector projects, a two-stage appraisal process is followed. Initially a preliminary appraisal is carried out in order to decide the prima facie preparedness of the project to be taken up for detailed appraisal. Detailed appraisal is carried out for those projects shortlisted by the Competent Authority on the basis of preliminary appraisal.

The Company along with evaluation of project viability also assesses the ability of its promoter(s) to contribute equity and complete the project. The Company follows an integrated rating methodology for generation projects where weightages are assigned to project and entity rating.

Based on the appraisal process, the Company stipulates an ideal debt-equity ratio for the project and requires proportionate equity infusion from the promoters. Suitable quantum of upfront equity infusion serves as a useful mitigant of the credit risk.

(ii) Appraisal for State Sector Power Projects

State sector projects are taken up for detailed appraisal to determine if it is techno economically sound and compatible with integrated power development & expansion plans of the State etc.

The Company classifies state power generation and transmission utilities into various risk rating grades based on the evaluation of utility's performance against specific parameters covering operational and financial performance. With regards to State Power Distribution utilities including integrated utilities, the Company's categorisation policy provides for adoption of MoP's Integrated Ratings by aligning such ratings/ grading with that of Company's rating structure.

These categories/ ratings are used to determine credit exposure limits, security requirements and pricing of loans given to the State Sector Borrowers. The Company also has a mechanism in place for monitoring the exposure to single borrower and exposure within a State.

The detailed project appraisal involves technical and financial appraisal covering various aspects such as project inputs, statutory and non-statutory clearances, contracts, project linkages, financial modelling/ projections, calculation of returns, sensitivity analysis etc.

After detailed analysis indicated above, the overall viability of the project and entity is assessed and various conditions in the form of pre-commitment, pre-disbursement and the like are stipulated so as to ensure tying up of funds (debt and equity both) , all physical inputs, appropriateness of all the contracts, compliance of conditions precedent in agreements / contracts/ statutory and non- statutory clearances related to the project etc. and in general to ensure bankability of the project & protection of the interest of the Company as a lender for timely repayment of debt.

(b) Security and Covenants

The Company stipulates a package of security measures/covenants to mitigate different kinds of risks during the construction and post COD (commercial operation date) stage of the project. The Company adopts a combination of measures like charge on project assets, collateral over & above the charge on project assets, payment security mechanism by obtaining escrow cover or by lending under trust & retention agreement (TRA) mechanism, promoters' personal and corporate guarantee etc. keeping in view the risk appetite.

(c) Post-disbursement Project Monitoring

The Company has a comprehensive project monitoring system that monitors and tracks project implementation status and identifies risks where intervention is required to minimize the time & cost overruns and consequent slippages in disbursements.

For State sector projects, monitoring is carried out based on progress details about projects obtained from borrowers on time to time basis through progress monitoring reports, site visits, discussions with the borrowers, information/ reports available on Central Electricity Authority's (CEA) website etc.

For private sector, where the Company is Lead Financial Institution, the Company engages lender's engineers (LEs) and lender's financial advisors (LFAs), which are independent agencies who act on behalf of various lenders and consortium members. The Lenders' Engineers conducts periodic site visits and submits reports on progress status of the project, after discussion with borrower and inspection/ review of relevant documents. Lender's financial advisors submit the statements of fund flow and utilization of funds in the project periodically. In cases where the Company is not the lead FI, the tasks related to LEs and LFAs services are being coordinated with the lead lender.

Also, the consolidated periodic progress report of certain projects is prepared comprising important observations/ issues

viz. areas of concern, reasons for delay, issues affecting project implementation etc. and is reviewed by the Company on a regular basis.

The Company continuously monitors delays and/ or default of borrowers and their recoverability. On occurrence of default in the borrower's account, the Company initiates necessary steps to cure the default which may involve action(s) including, but not limited to, Special Mention Account (SMA) reporting to RBI, credit information reporting to Central Repository of Information on Large Credits (CRILC), etc. regularization of the account by recovering all over dues, invocation of guarantees/ securities to recover the dues, conversion of loan into equity as per loan agreement, restructuring of loan account, formulating resolution plan with the borrower, change in ownership, Corporate Insolvency Resolution Process (CIRP), sale of the exposures to other entities/ investors and other recovery mechanisms like referring the case for legal action before Debt Recovery Tribunal (DRT), SARFAESI, National Company Law Tribunal (NCLT) (IBC -2016) etc. & other actions as specified under RBI framework.

(d) Credit risk analysis

(i) Exposure to credit risk

For loans recognized in the balance sheet, the gross exposure to credit risk equals their carrying amount. Refer Note 9 'Loans' for Company's exposure to credit risk arising from loans.

For financial guarantee issued, the maximum exposure to credit risk is the maximum amount that the Company would have to pay if the guarantees are called upon. For irrevocable loan commitments, the maximum exposure to credit risk is the full amount of the commitment facilities. Refer Note 39 for exposure of Guarantee and Outstanding Disbursement Commitments.

(ii) Credit concentration risk

Credit concentration risk is the risk associated with any single exposure or group of exposures with the potential to produce large enough losses to threaten Company's core operations.

The following table sets out an analysis of risk concentration of overall loan portfolio on the basis of similar risk characteristics:

(₹ in crore)

Particulars	As at 31.03.2019		As at 31.03.2018		As at 01.04.2017	
	Principal outstanding	Impairment allowance	Principal outstanding	Impairment allowance	Principal outstanding	Impairment allowance
Concentration by ownership						
Loans to state sector (i.e. entities under the control of state and /or central government)	2,61,054.99	255.53	2,27,713.98	1,510.31	2,03,037.90	4,650.32
Loans to private sector	53,611.94	15,925.51	51,302.71	15,541.33	42,552.68	10,186.19
Total	**3,14,666.93**	**16,181.04**	**2,79,016.69**	**17,051.64**	**2,45,590.58**	**14,836.51**

The Company considers that loans to state sector have a low credit risk in comparison to lending to private sector mainly due to low default / loss history in state sector and availability of government guarantee in certain loans. Further, presence of Government interest in these projects lowers the risk of non-recoverability of dues.

The Company's exposure to various projects and borrowers is constantly monitored in line with the applicable Credit Concentration Norms.

Details regarding Concentration / Exposure of Loans

1. Concentration of Advances:

(₹ in crore)

Description	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Total Advances to twenty largest borrowers	1,88,278.21	1,62,412.85	1,53,506.95
Percentage of Advances to twenty largest borrowers to Total Advances (Principal Outstanding) of the Company	59.83%	58.21%	62.51%

2. Concentration of Exposures:

(₹ in crore)

Description	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Total Exposure to twenty largest borrowers / customers	2,61,087.34	2,37,469.89	2,40,892.19
Percentage of Exposures to twenty largest borrowers / customers to Total Exposure of the Company on borrowers / customers	53.87%	53.90%	56.23%

Further, Company has a well-diversified lending portfolio comprising of loans to generation (renewable and non-renewable), transmission and distribution power projects spread across diverse geographical areas.

(e) Impairment Assessment

The Company recognises loss allowances using the expected credit loss (ECL) model for the financial assets which are not categorised at fair value through profit or loss. Ind-AS 109 outlines a three staged model for measurement of impairment based on changes in credit risk since initial recognition.

- A financial instrument that is not credit impaired on initial recognition is classified in 'Stage I'.

- If a significant increase in credit risk (SICR) is identified, the financial instrument is moved to 'Stage II'.

- If the financial instrument is credit-impaired, the financial instrument is moved to 'Stage III' category.

(i) Significant Increase in Credit Risk (Stage II)

An assessment of whether credit risk has increased significantly since initial recognition is performed at each reporting date by considering the change in the risk of default occurring over the remaining life of the financial instrument. In determining whether the risk of default has increased significantly since initial recognition, the Company considers more than 30 days overdue as a parameter. Additionally, the Company considers any other observable input indicating a significant increase in credit risk.

(ii) Credit Impaired

The Company defines a financial instrument as in default, which is fully aligned with the definition of credit-impaired, when the loan account is more than 90 days overdue on its contractual payments.

(iii) Measurement of Expected Credit loss (ECL)

ECL is measured on either a 12 month or lifetime basis depending on whether there is significant increase in credit risk since initial recognition. ECL is the product of Probability of default (PD), Loss Given Default (LGD) and Exposure at Default (EAD). These parameters have derived from internally developed models using historical data and adjusted with current data.

- Probability of default (PD)

  PD is an estimate of the likelihood of default over a given time horizon. It is estimated as at a point in time. For assessing 12 month PD, probability of a loan defaulting in next 12 months is ascertained and similarly for assessing lifetime PD, probability of a loan defaulting in its remaining lifetime is ascertained.

  For Stage I accounts, 12 months PD is used.

  For Stage II significantly increased credit risk accounts, Lifetime PD is used.

  For Stage III credit impaired accounts, 100% PD is taken.

- Loss Given Default (LGD): It is the loss factor which the Company may experience, if default occurs.

- Exposure at Default (EAD): It is outstanding exposure on which ECL is computed. EAD includes principal outstanding and accrued interest in respect of the loan.

  The Company has appointed an independent agency CRISIL Ltd. for assessment of ECL on credit impaired loans (Stage III). For all other loans, ECL is computed on a collective basis by grouping of the financial assets based on the similar risk characteristics like short term loans to state sector, other loans to state sector, thermal generation loans to private sector, solar generation loans to private sector and so on.

- Key assumptions used in measurement of ECL

  - The Company considers the date of initial recognition as the base date from which significant increase in credit risk is determined.

  - Since the Company has a right to cancel any sanctioned but undrawn limits to any of its borrowers, EAD is assumed to be outstanding balance as on the reporting date.

- Details of Stage wise Exposure and Impairment Loss Allowance:

(₹ in crore)

Particulars (inclusive of loan commitments)	As at 31.03.2019			As at 31.03.2018			As at 01.04.2017		
	Principal Outstanding	Cumulative Impairment loss allowance	%	Principal Outstanding	Cumulative Impairment loss allowance	%	Principal Outstanding	Cumulative Impairment loss allowance	%
Credit impaired loans (Default event triggered) (Stage III)	29,540.31	15,021.01	50.85%	26,866.80	14,241.22	53.01%	12,286.29	4,892.59	39.82%
Loans having significant increase in credit risk (Stage II)	9,467.99	303.07	3.20%	18,098.96	670.29	3.70%	42,125.45	5,400.06	12.82%
Other loans (Stage I)	2,75,658.63	856.96	0.31%	2,34,050.93	2,140.13	0.91%	1,91,178.84	4,543.86	2.38%
Total	**3,14,666.93**	**16,181.04**		**2,79,016.69**	**17,051.64**		**2,45,590.58**	**14,836.51**	
Outstanding Disbursement Commitments (Letter of Comforts) forming part of contingent liabilities	1,019.06	186.71		1,694.60	195.39		1,640.56	5.61	

► The following tables explain the changes in the loan assets and the corresponding ECL allowance between the beginning and the end of the annual period:

(₹ in crore)

FY 2017-18	Stage I		Stage II		Stage III		Total	
	Principal	Impairment allowance	Principal	Impairment allowance	Principal	Impairment allowance	Principal	Impairment allowance
Opening Balance	1,91,178.83	4,543.86	42,125.45	5,400.06	12,286.29	4,892.59	2,45,590.58	14,836.51
Transfer to Stage I	15,191.23	978.21	(14,469.27)	(691.74)	(721.96)	(286.47)	-	-
Transfer to Stage II	(419.29)	(1.47)	419.29	1.47	-	-	-	-
Transfer to Stage III	(3,941.50)	(1,022.35)	(10,342.78)	(4,265.26)	14,284.27	5,287.62	-	-
Change in Principal/ ECL during the year	1,233.30	(2,596.15)	1,991.59	298.36	812.03	4,236.58	4,036.91	1,938.79
New financial assets originated	46,428.97	392.59	91.80	1.59	445.91	305.98	46,966.67	700.17
Derecognised financial assets (loans repaid)	(15,620.61)	(154.56)	(1,717.12)	(74.19)	(239.74)	(195.08)	(17,577.47)	(423.83)
Closing Balance	**2,34,050.93**	**2,140.13**	**18,098.96**	**670.29**	**26,866.80**	**14,241.22**	**2,79,016.69**	**17,051.64**

(₹ in crore)

FY 2018-19	Stage I		Stage II		Stage III		Total	
	Principal	Impairment allowance	Principal	Impairment allowance	Principal	Impairment allowance	Principal	Impairment allowance
Opening Balance	2,34,050.93	2,140.13	18,098.96	670.29	26,866.80	14,241.22	2,79,016.69	17,051.64
Transfer to Stage I	9,173.53	915.44	(8,356.63)	(275.40)	(816.90)	(640.04)	-	-
Transfer to Stage II	(7,528.26)	(10.84)	7,528.26	10.84	-	-	-	-
Transfer to Stage III	-	-	(3,956.35)	(249.17)	3,956.35	249.17	-	-
Change in Principal/ ECL during the year	9,110.28	(2,194.85)	(991.23)	291.85	(448.08)	1,182.45	7,670.96	(720.55)
New financial assets originated	42,541.15	60.61	190.00	0.06	-	-	42,731.16	60.67
Derecognised financial assets	(11,689.00)	(53.53)	(3,045.02)	(145.40)	(17.86)	(11.79)	(14,751.88)	(210.72)
Closing Balance	**2,75,658.63**	**856.96**	**9,467.99**	**303.07**	**29,540.31**	**15,021.01**	**3,14,666.93**	**16,181.04**

► Movement of Impairment Loss Allowance on Stage III Loans:

(₹ in crore)

Sr. No.	Description	As at 31.03.2019	As at 31.03.2018
(i)	Gross Stage III Loans to Gross Loans (%)	9.39%	9.63%
(ii)	Net Stage III Loans to Net Loans (%)	4.85%	4.82%
		FY 2018-19	**FY 2017-18**
(iii)	Movement of Stage III Loans (Gross)		
	(a) Opening balance	26,866.80	12,286.29
	(b) Additions during the year	3,793.33	15,493.47
	(c) Reductions during the year	(1,119.82)	(912.96)
	(d) Closing balance	29,540.31	26,866.80
(iv)	Movement of Net Stage III Loans		
	(a) Opening balance	12,625.58	7,393.70
	(b) Additions during the year	2,851.39	7,571.59
	(c) Reductions during the year	(957.67)	(2,339.71)
	(d) Closing balance	14,519.30	12,625.58
(v)	Movement of impairment allowance for Stage III Loans		
	(a) Opening balance	14,241.22	4,892.59
	(b) Impairment allowance made during the year	1,823.55	9,811.42
	(c) Write-off / write-back of excess impairment allowance	(1,043.76)	(462.79)
	(d) Closing balance	15,021.01	14,241.22

► Concentration of Stage III loans:

(₹ in crore)

Description	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Principal outstanding of top four Stage III accounts	13,847.63	13,928.25	8,530.34

32.2.2 Liquidity Risk Management

Liquidity risk is the risk that the Company doesn't have sufficient financial resources to meet its obligations as and when they fall due. The risk arises from the mismatches in the timing of the cash flows which are inherent in all financing operations and can be affected by a range of company specific and market wide events.

In order to effectively manage liquidity risk, the Company endeavours to maintain sufficient cash flows to cover maturing liabilities without incurring unacceptable losses or risking damage to the Company's reputation and also endeavours to maintain a diversified fund base by raising resources through different funding instruments. The adequacy of the Company's liquidity position is determined keeping in view the following factors:

- Current liquidity position;
- Anticipated future funding needs
- Present and future earning capacity; and
- Available sources of funds.

The Company manages its day to day liquidity to ensure that the company has sufficient liquidity to meet its financial obligation as & when due. The long term liquidity is managed keeping in view the long term fund position and the market factors. This is in line with the Board approved framework and breaches, if any, are to be reported to the Board of Directors. The Company has never defaulted in servicing of its borrowings.

Further, for overall liquidity monitoring and supervision, the Company has an Asset Liability Committee (ALCO) headed by Director (Finance). The ALCO tracks the liquidity risk by analysing the maturity or cash flow mis-matches of its financial assets and liabilities. The mis-matches are analysed by way of liquidity statements prescribed by RBI, wherein the cumulative surplus or deficit of funds is arrived at by distributing the cash flows against outstanding

financial assets and financial liabilities according to the maturity ladder.

The following table analyses the maturity pattern of items of financial liabilities by remaining maturity of contractual principal on an undiscounted basis.

(₹ in crore)

Particulars	Upto 30/31 Days	Over 1 Month upto 2 Months	Over 2 Months upto 3 Months	Over 3 Months upto 6 Months	Over 6 Months upto 1 Year	Over 1 Year & upto 3 Years	Over 3 Years & upto 5 Years	Over 5 Years
As at 31.03.2019								
Rupee Borrowings	21,785.18	4,915.00	7,495.20	10,292.05	19,088.10	76,608.05	32,730.60	87,160.38
Foreign Currency borrowings	696.50	-	2,080.35	-	3,468.40	4,971.67	9,235.95	8,373.99
As at 31.03.2018								
Rupee Borrowings	1,275.80	2,805.00	7,345.70	12,457.70	13,056.65	69,867.71	37,178.05	67,628.47
Foreign Currency borrowings	4.67	-	5.93	-	2,348.39	5,174.02	8,024.53	2,702.55
As at 01.04.2017								
Rupee Borrowings	5,890.79	3,820.00	1,036.40	7,101.00	9,131.58	58,350.85	48,153.21	60,930.73
Foreign Currency borrowings	4.64	-	5.08	1,167.30	9.73	1,660.15	4,645.72	951.26

Maturity Analysis of Derivative financial liabilities:

(₹ in crore)

Description	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Forward			
Upto 1 year	86.75	0.04	-
1 - 5 years	148.70	198.04	68.41
Sub Total (A)	**235.45**	**198.08**	**68.41**
Option/ swaps			
Upto 1 year	1.89	-	-
1 - 5 years	268.25	40.98	-
More than 5 years	-	1.62	-
Sub Total (B)	**270.14**	**42.60**	**-**
Total (A+B)	**505.59**	**240.68**	**68.41**

The above table details the Company's liquidity analysis for its derivative financial liabilities based on MTMs received from counter parties. Maturity buckets are as per the remaining tenor of the respective derivative instrument.

The Company has access to cash credit, overdraft, line of credits and working capital demand loans from banks to meet unanticipated liquidity need. Further, the Company has the highest Domestic Credit Rating of AAA, thereby enabling it to mobilize funds from the domestic market within a short span of time.

The Company has access to the following undrawn borrowing facilities:

(₹ in crore)

Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
CC/ OD/ LoC / WCDL limits	6,950.00	13,200.00	11,060.00

32.2.3 Market Risk Management

A. Foreign Currency Risk

Foreign currency risk is the risk that the fair value or future cash flows of a financial instrument, denominated in currency other than functional currency, will fluctuate because of changes in foreign exchange rates.

The Company is exposed to foreign currency risk mainly on its borrowings denominated in foreign currency. The carrying amount of the Company's foreign currency denominated borrowings is as follows:

Description	As at 31.03.2019		As at 31.03.2018		As at 01.04.2017	
	Crore in respective currency	₹ in Crore	Crore in respective currency	₹ in Crore	Crore in respective currency	₹ in Crore
USD Loans*	**361.20**	**24,978.60**	**237.21**	**15,460.16**	**89.48**	**5,803.01**
- Hedged	240.00	16,597.21	143.00	9,320.02	28.00	1,815.79
- Unhedged	121.20	8,381.39	94.21	6,140.14	61.48	3,987.22
Euro Loans	**1.27**	**98.30**	**1.41**	**114.12**	**1.56**	**108.02**
- Hedged	-	-	-	-	-	-
- Unhedged	1.27	98.30	1.41	114.12	1.56	108.02
JPY Loans#	**6,007.88**	**3,749.97**	**4,366.80**	**2,685.80**	**4,366.80**	**2,532.85**
- Hedged	967.03	603.60	-	-	-	-
- Unhedged	5,040.85	3,146.37	4,366.80	2,685.80	4,366.80	2,532.85
Total		**28,826.87**		**18,260.08**		**8,443.88**

*An amount of USD 25 Crore (₹ 1,728.88 crore) maturing in September 2023 and hedged through Principal only Swap (PoS) at an average rate of 4.12% has been designated as Cash-flow Hedge in FY 2018-19 (previous year Nil). The fair value of PoS as at 31.03.2019 is ₹ 100.01 crore. The Company has started applying Hedge Accounting as per Ind AS 109 w.e.f FY 2018-19.

#includes JPY loan partly hedged through forwards covering USD/ INR exposure for ₹ 587.82 crore as at 31.03.2019 (as at 31.03.2018 ₹ 293.29 crore and as at 01.04.2017 ₹ 291.83 crore).

The foreign currency monetary items are translated at FEDAI spot rate prevailing at the year-end as below:

(₹ in crore)

Exchange Rates	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
USD / INR	69.1550	65.1750	64.8500
Euro / INR	77.6725	80.8075	69.2925
JPY / INR	0.624175	0.615050	0.580025

Foreign currency risk monitoring and management

The Company has put in place a Board approved Currency Risk Management (CRM) policy to manage and hedge risks associated with foreign currency borrowings which prescribes the structure and organization for management of associated risks.

The Company enters into various derivative transactions viz. principal only swaps, options and forward contracts for hedging the exchange rate risk. As per CRM policy, a system for reporting and monitoring of risks is in place wherein Risk Management Committee (RMC), consisting of senior executives of the Company, monitors the foreign currency exchange rate. These derivative transactions are done for hedging purpose and not for trading or speculative purpose. The policy lays down the appropriate systems and controls to identify, measure and monitors, the currency risk for reporting to the Management. Parameters like hedging ratio, un-hedged exposure, mark-to market position, exposure limit with banks etc. are continuously monitored as a part of currency risk management.

Foreign Currency Sensitivity Analysis

The below table presents the impact on total equity (+ Gain / (-) Loss) for 5% change in foreign currency exchange rate against INR on outstanding foreign currency borrowings:

(₹ in crore)

Foreign Currency Liabilities	As at 31.03.2019		As at 31.03.2018		As at 01.04.2017	
	Decrease	Increase	Decrease	Increase	Decrease	Increase
		on account of change in foreign exchange rate				
USD	1,248.93	(1,248.93)	773.01	(773.01)	290.15	(290.15)
Euro	4.92	(4.92)	5.71	(5.71)	5.40	(5.40)
JPY	187.50	(187.50)	134.29	(134.29)	126.64	(126.64)

To the extent the foreign currency borrowings are hedged by a derivative instrument, the impact of change in exchange rate will be offset by corresponding impact of derivatives over its tenure.

B. Interest Rate Risk

Interest rate risk is the risk that the future cash flows of a financial instrument will fluctuate because of changes in interest rates. The impact may be beneficial or adverse depending on the direction of change in interest rates and whether assets or liabilities re-price faster.

Interest rate risk is managed with the objective to control market risk exposure while optimizing the return.

The Asset Liability Committee (ALCO) tracks the interest rate risk through the gap analysis i.e. by analysing the mis-matches between Rate Sensitive Assets and Rate Sensitive Liabilities. For gap analysis, the interest rate sensitivity statement prescribed by RBI is used, wherein the gap is measured between the Rate Sensitive Assets and Rate Sensitive Liabilities which are distributed based on the maturity date or the re-pricing date whichever is earlier.

Further, for managing the interest rate risk, the Company reviews its interest rates periodically based on prevailing market conditions, borrowing cost, yield, spread, competitors' rates, etc. The asset mix is managed by the Company through its interest rate & credit policies which inter-alia covers aspects like reset periods; repayment periods etc. The liabilities are managed keeping in view factors like cost, market appetite, timing; market scenario, ALM gap position etc.

Interest Rate Sensitivity Analysis

As per RBI Guidelines, Earning at Risk (EaR) is an important focal point for interest risk management. For Interest Rate Sensitivity analysis, the impact of movement of interest rates has been measured on the Earning at Risk derived from the gap statements. The impact has been worked out considering 25 basis upward/downward shock to interest rates over a one-year period, assuming a constant balance sheet. The analysis shows that if rates are increased/decreased by 25 bps, the impact on EaR will be (+/-) ₹ 70 crore.

Note: A 25 basis point increase or decrease represents management's assessment of the reasonably possible change in interest rates.

The analysis assumes that the Rate Sensitive Assets and Rate Sensitive Liabilities are being re-priced at the same time. Further, the analysis considers the earliest/first re-pricing date of the Rate Sensitive Assets and Rate Sensitive Liabilities.

32.3 Hedge Accounting

Derivatives are measured at FVTPL unless designated under Hedge Accounting relationship. The Company has designated certain derivative contracts (Principal Only Swap and Interest Rate Swap) under cash flow hedge.

Hedge Effectiveness

By critical terms matching method (where principal terms of the hedging instrument and the hedged item are same), the Company ensures that the hedges are highly effective i.e. hedge ratio is nearly 100% and the same is re-assessed at each reporting date.

Reconciliation of Cash flow Hedge Reserve (₹ in crore)

Sr. No.	Particulars*	FY 2018-19	
		POS	IRS
1	Cash flow hedge reserve at the beginning	-	-
2	Hedging Gains / losses recognised in OCI	(98.97)	(64.73)
3	Hedge ineffectiveness recognised in P&L	-	-
4	Amount reclassified from OCI to P&L#	(86.63)	0.02
5	Cash flow hedge reserve at the end	(12.33)	(64.75)

*The Company has started applying Hedge Accounting as per Ind AS 109 w.e.f FY 2018-19.

#reflected in the line item named 'Net Translation / Transaction exchange Gain / Loss'

32.4 Fair Value Measurements

Some of the Company's financial assets and financial liabilities are measured at fair value at the end of each reporting period. The following table gives information about how the fair values of these financial assets and financial liabilities are determined (in particular, the valuation technique(s) and inputs used).

(₹ in crore)

Sr. No.	Financial asset/ Financial Liability	Fair Value as at			Fair value hierarchy	Valuation technique(s) & Key input(s)
		31.03.2019	31.03.2018	01.04.2017		
1	Listed Equity Instruments	1,023.23	1,230.92	1,370.11	Level 1	Quoted market price
2	Unlisted Equity Instruments of Borrower Companies	0.00	0.00	193.05#	Level 3	The Company acquired these investments by invoking pledge on non-payment of dues by the borrower companies. Presently, these borrowers are credit-impaired. In absence of any visibility of recovering an amount against these investments, these have been valued at one rupee by the Company. #As at 01.04.2017, one of the borrower was classified under Stage I and fair valuation of equity instrument was obtained from valuer.
3	Units of Small Is Beautiful Fund of KSK	6.18	6.26	6.30	Level 2	Net asset value (NAV) specified by the SIB fund.
4	Investment in bonds Andhra Bank / Dena Bank	809.84	809.84	1,827.90	Level 3	The Company invested in Tier 1 bonds of Dena and Andhra Bank in FY 2015-16. These bonds are listed on NSE. However, in absence of any trading in these bonds, the fair value as per Level 1 is not ascertainable. In absence of market interest rate for similar kind of bonds, the Company has considered the coupon rate as the present market rate and accordingly has computed the fair value using the discounted cash flow method. Any increase in the discount rate will result in decrease in fair value and vice-versa.
5	Derivative Asset	567.98	229.09	299.87	Level 2	The fair value of these contracts is obtained from counter parties, who determines it using valuation models that use inputs which are observable for the contracts, such as interest rates and yield curves, implied volatilities etc.
	Derivative Liability	505.59	240.68	68.41		

32.4.1 There were no transfers between Level 1 and Level 2 in the period.

32.4.2 Reconciliation of Financial Instruments fair valued through Level 3 inputs:

The following tables show the reconciliation of the opening and closing amounts of Level 3 financial assets and liabilities measured at fair value:

(₹ in crore)

Particulars	Unlisted Equity investments of Borrower Companies	Investment in Bonds of Andhra Bank / Dena Bank
FY 2017-18		
Opening Balance	**193.05**	**1,827.90**
Net interest income	-	196.85
Settlement of Dena Bank	-	(1,214.91)
Net loss recognised in OCI	(193.05)	
Closing Balance	**0.00**	**809.84**
Unrealized gains on balances held at the end of the period	-	9.84
FY 2018-19		
Opening Balance	**0.00**	**809.84**
Net interest income	-	87.60
Settlement	-	(87.60)
Closing Balance	**0.00**	**809.84**
Unrealized gains on balances held at the end of the period	-	9.84

32.4.3 Fair Value of financial assets/ liabilities measured at amortised cost:

The fair value of the following financial assets and liabilities have been determined in accordance with generally accepted pricing models based on a discounted cash flow analysis, with the most significant input being the discount rate that reflects the credit risk of counterparties except for the cases where quoted market prices are available.

(₹ in crore)

Asset/Liability	Fair Value hierarchy	As at 31.03.2019		As at 31.03.2018		As at 01.04.2017	
		Amortized Cost	Fair Value	Amortized Cost	Fair Value	Amortized Cost	Fair Value
Loans	3	3,03,515	3,03,718	2,66,011	2,68,028	2,35,088	2,40,353
Other financial assets	2	5,387	5,393	5,279	5,283	5,266	5,268
Debt Securities*	1 / 2	2,05,584	2,01,965	2,06,812	2,06,507	1,94,444	1,96,258
Borrowings other than debt securities	2	67,607	68,113	26,080	26,210	9,191	9,271
Subordinated Liabilities	2	9,310	9,407	3,893	4,015	3,893	4,088

*includes listed instruments with Level 1 fair value hierarchy.

Foreign currency loans linked to LIBOR and multilateral agencies loans are valued at par. Foreign currency loans consist of MTN issuances which are valued at closing prices as per Reuters.

The carrying amounts of other financial assets and financial liabilities are considered to be a reasonable approximation of their fair values.

33 Related Party Disclosures

33.1 Name of Related Parties and description of relationships

Subsidiaries:			
1	PFC Consulting Limited (PFCCL)	2	Power Equity Capital Advisors (Pvt) Limited (PECAP) (Refer Note 10.6)
3	REC Limited (RECL) (formerly Rural Electrification Corporation Limited) (Refer Note 10.2)	4	REC Transmission Projects Company Limited (through RECL)
5	REC Power Distribution Company Ltd (through RECL)		
Joint Ventures:			
1	Energy Efficiency Services Limited	2	Ceighton Energy Limited (through EESL)
3	EESL EnergyPro Assets Limited (through EESL)	4	Edina Acquisitions Limited (through EESL)
5	Aneco Energy Services (South) Limited (through EESL)	6	Edina Limited (through EESL)
7	EPAL Holdings Limited (through EESL)	8	Edina Australia Pty Limited (through EESL)
9	Edina Power Services Limited (through EESL)	10	Stanbeck Limited (through EESL)
11	Edina UK Limited (through EESL)	12	Edina Power Limited (through EESL)
13	Armoura Holdings Limited (through EESL)	14	Edina Manufacturing Limited (through EESL)
Associates:			
1	Coastal Maharashtra Mega Power Limited	2	Sakhigopal Integrated Power Company Limited
3	Orissa Integrated Power Limited	4	Ghogarpalli Integrated Power Company Limited
5	Coastal Karnataka Power Limited	6	Tatiya Andhra Mega Power Limited
7	Coastal Tamil Nadu Power Limited	8	Deoghar Mega Power Limited
9	Chhattisgarh Surguja Power Limited	10	Cheyyur Infra Limited
11	Deoghar Infra Limited	12	Odisha Infrapower Limited
13	Bihar Infrapower Limited	14	Bihar Mega Power Limited
15	Jharkhand Infrapower Limited	16	Tanda Transmission Company Limited (through PFCCL)
17	Ballabhgarh-GN Transmission Company Limited (through PFCCL) (Under process of Striking off the name of Company from the records of Registrar of Companies.)	18	South-Central East Delhi Power Transmission Limited (through PFCCL) (Under process of Striking off the name of Company from the records of Registrar of Companies.)

19	Mohindergarh-Bhiwani Transmission Limited (through PFCCL) (Under process of Striking off the name of Company from the records of Registrar of Companies.)	20	Bikaner-Khetri Transmission Limited (incorporated on 22.02.2019) (through PFCCL)
21	Shongtong Karcham-Wangtoo Transmission Limited (through PFCCL)	22	Bhuj-II Transmission Limited (incorporated on 25.02.2019) (through PFCCL)
23	Bijawar-Vidarbha Transmission Limited (through PFCCL)	24	Fatehgarh-II Transco Limited (incorporated on 26.02.2019) (through PFCCL)
25	Vapi II North Lakhimpur Transmission Limited (through PFCCL)	26	Lakadia-Vadodara Transmission Project Limited (incorporated on 15.03.2019) (through PFCCL)
27	Ghatampur Transmission Limited (through RECL)	28	Dinchang Transmission Limited (through RECL)
29	Koderma Transmission Limited (through RECL)	30	Chandil Transmission Limited (through RECL)
31	Mandar Transmission Limited (through RECL)	32	Dumka Transmission Limited (through RECL)
33	Bhind-Guna Transmission Limited (incorporated on 18.09.2018)(through RECL)	34	Jawaharpur-Firozabad Transmission Limited (through RECL)
35	Jam Khambaliya Transco Limited (incorporated on 11.03.2019)(through RECL)	36	Udupi Kasagode Transmission Limited (incorporated on 29.11.2018) (through RECL)
37	Ajmer Phagi Transco Limited (incorporated on 19.03.2019)(through RECL)	38	Khetri Transco Limited - (incorporated on 12.03.2019) (through RECL)
39	WRSS XXI (A) Transco Limited (incorporated on 26.03.2019)(through RECL)	40	Lakadia Banaskantha Transco Limited - (incorporated on 19.03.2019) (through RECL)

Key Managerial Personnel (KMP):		**Designation**
1	Shri Rajeev Sharma	Chairman and Managing Director
2	Shri N. B. Gupta	Director (Finance)
3	Shri Chinmoy Gangopadhyay (superannuated on 30.04.2019)	Director (Projects)
4	Shri D. Ravi (upto 31.05.2018)	Director (Commercial)
5	Shri P.K. Singh (w.e.f. 10.08.2018)	Director (Commercial)
6	Shri Arun Kumar Verma	Government Nominee Director
7	Shri Sitaram Pareek	Part Time Non-Official Independent Director
8	Smt. Gouri Chaudhury	Part Time Non-Official Independent Director
9	Shri Manohar Balwani	Company Secretary

Trusts / Funds under control of the Company			
1	PFC Employees Provident Fund Trust	2	PFC Employees Gratuity Trust
3	PFC Defined Contribution Pension Scheme 2007	4	PFC Ltd. Superannuation Medical Fund

33.2 Transactions with the Related Parties are as follows:

(₹ in crore)

Particulars	During FY 2018-19	During FY 2017-18
Subsidiaries		
Advances (including interest) to subsidiaries	-	-
Advances received (including interest) from subsidiaries	5.50	5.44
Dividend received from subsidiaries (PFCCL)	106.65	67.93
Allocation of employee benefits	1.11	0.86
Joint Venture		
Equity investment in EESL	99.00	-
Dividend received from EESL	4.01	12.92
Others	0.24	4.24

Associates		
Advances to associates	3.71	42.21
Interest income on advances to associates	26.68	17.87
Advances received from Associates	30.62	7.12
Interest expenses on advances from associates	6.14	5.93
Trusts / Funds under control of the Company		
Contributions made during the year	8.03	5.26
Key managerial personnel		
Short term employee benefits	5.30	2.64
Post-employment benefits	0.46	0.32
Other long term benefits	0.24	0.61
Repayment/ Recovery of loans and advances	0.18	0.26
Directors' Sitting Fees	0.12	0.06

33.3 Outstanding balances with Related Parties are as follows:

(₹ in crore)

Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Amount recoverable towards loans & advances (including interest)			
Associates	196.22	169.95	115.04
Key managerial personnel	0.52	0.52	0.50
Joint Venture	0.23	-	-
Amount payable towards loans & advances (including interest)			
Subsidiaries	0.99	6.50	1.07
Associates	188.12	157.19	160.73
Other Payable			
Key managerial personnel	0.13	0.13	0.14

33.4 Disclosure in respect of entities under the control of the same government (Government related entities)

The Company is a Central Public Sector Undertaking (CPSU) controlled by Central Government. Significant transactions with related parties under the control/ joint control of the same government are as under:

(₹ in crore)

Name of the Company	Nature of Transaction	During FY 2018-19	During FY 2017-18
Coal India Ltd.	Dividend received	18.29	23.04
NHPC Ltd.		24.65	31.79
Damodar Valley Corporation	Disbursement of loans	4,427.79	7,731.23
Bhartiya Rail Bijlee Company Ltd.			
Tehri Hydro Development Corporation			
Neyveli UP Power Ltd.			
Meja Urja Nigam Pvt Ltd.			
Bihar Grid Company Ltd.			
Raichur Power Corporation Ltd.			
Aravali Power Company Pvt. Ltd.			
Konkan LNG Pvt Ltd.			

The Company has also received interest of ₹ 4,282.35 crore (previous year ₹ 4,063.25 crore) and repayments of principal on the loans to government related entities.

Above transactions with the Government related entities cover transactions that are significant individually and collectively. The Company has also entered into other transactions such as telephone expenses, air travel and deposits etc. with other CPSUs. They are insignificant individually & collectively and hence not disclosed. All transactions are carried out on market terms.

33.5 Terms and conditions of transactions with related parties

(i) Transactions with related parties are made on terms equivalent to those that prevail in arm's length transactions.

(ii) The remuneration and staff loans to Key Managerial Personnel are in line with the service rules of the Company.

(iii) The Company makes advances to its associate companies which are incorporated as SPVs to meet the preliminary expenditure. Such advances carry interest rates at the rate applicable to Term Loans as per the Company's policy.

(iv) Outstanding balances of subsidiary and associate companies at the year-end are unsecured.

34 Employee Benefits

34.1 Defined contribution plans:

a) Pension

The Company contributes to National Pension Scheme (NPS) for its pension obligation towards employees, with effect from 01.01.2018. Earlier, the Company had a defined contribution pension scheme which was managed by a separate trust.

b) Provident Fund

The Company pays fixed contribution on account of provident fund at prescribed rates to a separate trust, which invests the funds in permitted securities. The trust has to ensure a minimum rate of return to the members, as specified by GoI. However, any shortfall for payment of interest to members as per specified rate of return has to be compensated by the Company. The Company estimates that no liability will arise in this regard in the near future and hence, no further provision is considered necessary.

An amount of ₹ 10.82 crore (previous year ₹ 9.26 crore) for the year is recognized as expense in the Standalone statement of profit and loss on account of the Company's contribution to the defined contribution plans.

34.2 Defined benefit plans:

(a) Gratuity

The Company has a defined gratuity scheme which is managed by a separate trust. Every employee who has rendered continuous service of five years or more is entitled to gratuity at 15 days salary for each completed year of service subject to a maximum of ₹ 0.20 crore on superannuation, resignation, termination, disablement or on death, considering the provisions of the Payment of Gratuity Act, 1972, as amended. The liability for the same is recognised on the basis of actuarial valuation.

(₹ in crore)

Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Present value of Defined benefit obligation	26.50	25.57	22.96
Fair Value of Plan Assets	25.75	24.07	21.74
Net Defined Benefit (Asset)/ Liability	0.75	1.50	1.22

Movement in net defined benefit (asset)/ liability

(₹ in crore)

Particulars	Defined Benefit Obligation		Fair Value of Plan Assets		Net Defined Benefit (Asset)/ Liability	
	For the year ended		For the year ended		For the year ended	
	31.03.2019	31.03.2018	31.03.2019	31.03.2018	31.03.2019	31.03.2018
Opening Balance	**25.57**	**22.96**	**24.07**	**21.74**	**1.50**	**1.22**
Included in profit or loss						
Current service Cost	1.82	1.62	-	-	1.82	1.62
Past service cost	-	10.87	-	-	-	10.87
Interest cost / income	2.03	1.74	1.89	1.93	0.14	(0.19)
Total amount recognised in profit or loss	**3.85**	**14.23**	**1.89**	**1.93**	**1.96**	**12.30**
Included in OCI						
Re-measurement loss/ (gain)						
Actuarial loss (gain) arising from changes in financial assumptions	0.06	(0.76)	-	-	0.06	(0.76)
Actuarial loss (gain) arising from experience adjustment	0.19	(9.27)	-	-	0.19	(9.27)
Effect of change in demographic assumptions	(1.26)	(0.77)	-	-	(1.26)	(0.77)
Return on plan assets excluding interest income	-	-	0.20	-	(0.20)	-
Total amount recognised in OCI	**(1.01)**	**(10.80)**	**0.20**	**-**	**(1.21)**	**(10.80)**
Contribution by participants	-	-	-	-	-	-
Contribution by employer	-	-	1.50	1.22	(1.50)	(1.22)
Benefits paid	(1.91)	(0.82)	(1.91)	(0.82)	-	-
Closing Balance	**26.50**	**25.57**	**25.75**	**24.07**	**0.75**	**1.50**

(b) Post-Retirement Medical Scheme (PRMS)

The Company has a Post-Retirement Medical Scheme (PRMS) to provide medical facilities to superannuated employees and their dependent family members. The liability for PRMS is recognised on the basis of actuarial valuation.

This scheme is managed by a separate trust. The trust has to ensure adequate corpus for meeting the medical expenditure incurred by the retired employees. However, any short fall has to be compensated by the Company. The Company estimates that no liability will arise in this regard in the near future and hence, no further provision is considered necessary.

(₹ in crore)

Particulars	As at 31.03.2019	As at 31.03.2018	As at 01.04.2017
Defined benefit obligation	35.14	27.81	21.82
Fair Value of Plan Assets	28.51	22.20	18.15
Net Defined Benefit (Asset)/ Liability	6.63	5.61	3.67