# TARIFF FILING FORMS (THERMAL) FOR DETERMINATION OF TARIFF

**PART-I** 

Annexure-I

PART-I

Checklist of Forms and other information/ documents for tariff filing for

Thermal Stations

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM-1	Summary Sheet	
FORM-2	Plant Characteristics	
FORM-3	Normative parameters considered for tariff computations	
FORM- 4	Details of Foreign loans	
FORM- 4A	Details of Foreign Equity	
FORM-5	Abstract of Admitted Capital Cost for the existing Projects	
FORM-5A	Abstract of Capital Cost Estimates and Schedule of	
TORW-3A	Commissioning for the New projects	
FORM-5B	Break-up of Capital Cost for Coal/Lignite based projects	
FORM-5C	Break-up of Capital Cost for Gas/Liquid fuel based Projects	
FORM-5D	Break-up of Construction/Supply/Service packages	
FORM-5Ei	In case there is cost over run	
FORM-5Eii	In case there is time over run	
FORM-5F	In case there is claim of additional RoE	
FORM- 6	Financial Package upto COD	
FORM- 7	Details of Project Specific Loans	
FORM- 8	Details of Allocation of corporate loans to various projects	
FORM-9	Statement of Additional Capitalisation after COD	
FORM - 9(I)	Statement of Additional Capitalisation during fag end of the	
10KW - 3(1)	Project	
FORM- 9 A	Statement of Capital cost	
FORM- 9B	Statement of Capital Woks in Progress	
FORM- 10	Financing of Additional Capitalisation	
FORM- 11	Calculation of Depreciation	
FORM- 12	Statement of Depreciation	
FORM- 13	Calculation of Weighted Average Rate of Interest on Actual Loans	
FORM- 13A	Calculation of Interest on Normative Loan	
FORM- 13 B	Calculation of Interest on Working Capital	
FORM- 13 C	Other Income as on COD	
FORM- 13 D	Incidental Expenditure during Construction	
FORM- 14	Draw Down Schedule for Calculation of IDC & Financing Charges	

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM- 14A	Actual cash expenditure	
FORM-15	Details/Information to be Submitted in respect of Fuel for	
FORWI-15	Computation of Energy Charges <sup>1</sup>	
EODM 16	Details/Information to be Submitted in respect of Limestone for	
FORM- 16	Computation of Energy Charge Rate	
FORM-17	Actual Performance Parameters	
Other Informa	ation/ Documents	
Sl. No.	Information/Document	Tick
	Certificate of incorporation, Certificate for Commencement of	
1	Business, Memorandum of Association, & Articles of Association	
1	( For New Station setup by a company making tariff application	
	for the first time to CERC)	
	Stationwise and Corporate audited Balance Sheet and Profit &	
2	Loss Accounts with all the Schedules & annexures on COD of the	
	Station for the new station & for the relevant years.	
3	Copies of relevant loan Agreements	
4	Copies of the approval of Competent Authority for the Capital	
4	Cost and Financial package.	
5	Copies of the Equity participation agreements and necessary	
3	approval for the foreign equity.	
6	Copies of the BPSA/PPA with the beneficiaries, if any	
	Detailed note giving reasons of cost and time over run, if	
	applicable.	
	List of supporting documents to be submitted:	
7	a. Detailed Project Report	
	b. CPM Analysis	
	c. PERT Chart and Bar Chart	
	d. Justification for cost and time Overrun	
8	Any other relevant information, (Please specify)	

Note 1: Electronic copy of the petition (in words format) and detailed calculation as per these formats (in excel format) and any other information submitted shall also be furnished in the form of CD/Floppy disc.

#### **Summary Sheet**

Name of the Petitioner	
Name of the Generating Station :	
Place (Region/District/State):	

Sr. No.	Particulars	Unit	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2		3	4	5	6	7	8
1.1	Depreciation	Rs Lakh						
1.2	Interest on Loan	Rs Lakh						
1.3	Return on Equity <sup>1</sup>	Rs Lakh						
1.4	Interest on Working Capital	Rs Lakh						
1.5	O & M Expenses	Rs Lakh						
1.7	Compensation Allowance (If applicable)	Rs Lakh						
1.8	Special allowance (If applicable)	Rs Lakh						
	Total	Rs Lakh						
2.1	Landed Fuel Cost	Rs/Tone						
	(%) of Fuel Quantity	(%)						
2.2	Landed Fuel Cost	Rs/Tone						
	(%) of Fuel Quantity	(%)						
2.3	Secondary fuel oil cost	Rs/Unit						
	Energy Charge Rate ex-bus( Paise/kWh) <sup>2A, 2B, 2C, 2D</sup>	Rs/Unit						

#### Note

- 1: Details of calculations, considering equity as per regulation, to be furnished.
- 2A: If multifuel is used simultaneously, give 2 in respect of every fuel individually.
- 2B: The rate of energy charge shall be computed for open cycle operation and combined cycle \operation separately in case of gas/liquid fuel fired plants.
- 2C: The total energy charge shall be worked out based on ex-bus energy scheduled to be sent out.
- 2D: The Energy Charge rate for the month shall be based on fuel cost(s) and GCV(s) for the month as per Regulation 29 (6) (a).

#### **Plant Characteristics**

Name of the Petitioner						
Name of the Generating Station						
Unit(s)/Block(s)/Parameters	Unit-I	Unit-II	Unit-III	••••		
Pressure (kg/Cm <sup>2</sup> )						
Temperature °C						
- At Superheater Outlet						
- At Reheater Outlet						
Guaranteed Design Heat Rate (kCal/kWh)						
Conditions on which guaranteed						
% MCR						
% Makeup						
Design Fuel						
Design Cooling Water Temperature						
Back Pressure						
Note: In case guaranteed unit heat rate is not	availab	le then	furnish t	he gua	ranteed t	turbine
cycle heat rate and guaranteed boiler efficiency	y separa	tely alo	ng with c	onditio	n of gua	rantee.
Type of Cooling Tower						
Installed Capacity (IC)						
Date of Commercial Operation (COD)						
Type of cooling system <sup>1</sup>						
Type of Boiler Feed Pump <sup>2</sup>						
Fuel Details <sup>3</sup>						
-Primary Fuel						
-Secondary Fuel						
-Alternate Fuels						
Special Features/Site Specific Features <sup>4</sup>						
Special Technological Features <sup>5</sup>						
Environmental Regulation related features <sup>6</sup>						
Any other special features						
1: Closed circuit cooling, once through cooling,	sea cool	ing, natu	ıral draft	cooling	, induced	d draft
cooling etc.						
2: Motor driven, Steam turbine driven etc.						
3: Coal or natural gas or naptha or lignite etc.						
4: Any site specific feature such as Merry-Go-Ro	und. Vi	cinity to	sea. Inta	ke /mai	keun wai	ter

5: Any Special Technological feature like Advanced class FA technology in Gas Turbines, etc.

6: Environmental regulation related features like FGD, ESP etc.

systems etc. scrubbers etc. Specify all such features.

Note 1: In case of deviation from specified conditions in Regulation, correction curve of manufacturer may also be submitted.

Note 2: Heat Balance Diagrams has to be submitted along with above information in case of new stations.

<b>Normative</b>	parameters considered for	r tariff	com	<u>putations</u>
•	-			-

Name of the Petitioner	
Name of the Generating Station	

Year Ending March

Particulars	Unit	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Guaranteed Design heat rate							
Base Rate of Return on Equity	%						
Tax Rate	%						
Target Availability	%						
Auxiliary Energy Consumption	%						
Gross Station Heat Rate	kCal/kWh						
Specific Fuel Oil Consumption	ml/kWh						
Cost of Coal/Lignite for WC <sup>1</sup>	in Months						
Cost of Main Secondary Fuel Oil for WC1	in Months						
Fuel Cost for WC <sup>2</sup>	in Months						
Liquid Fuel Stock for WC <sup>2</sup>	in Months						
O & M expenses	Rs / MW						
Maintenance Spares for WC	% of O&M						
Receivables for WC	in Months						
Storage capacity of Primary fuel	MT						
SBI Base Rate + 350 basis points as on	%						
3							

- 1. For Coal based/lignite based generating stations
- 2. For Gas Turbine/Combined Cycle generating stations duly taking into account the mode of operation on gas fuel and liquid fuel
- 3. Mention relevant date

Details of Foreign loans
(Details only in respect of loans applicable to the project under petition)

	`	J	1	1 1	1 )	1	,
Name of the Petitioner							
Name of the Generating Stati	on						
<b>Exchange Rate at COD</b>							
Exchange Rate as on 31.3.2014	ļ.						

S1.	Financial Year (Starting from COD)	Year 1				Year 2				Year 3	Year 3 and so on			
	1	2	3	4	5	6	7	8	9	10	11	12	13	
		Date	Amount (Foreign Currency)	Exchan ge Rate	Amou nt (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchan ge Rate		Date	Amount (Foreign Currency)	Exchan ge Rate	Amoun t (Rs. Lakh)	
	Currency1 <sup>1</sup>													
A.1	At the date of Drawl <sup>2</sup>													
	Scheduled repayment date of principal													
	Scheduled payment date of interest													
4	At the end of Financial year													
В	In case of Hedging <sup>3</sup>													
1	At the date of hedging													
	Period of hedging													
3	Cost of hedging													
	Currency21													
A.1	At the date of Drawl <sup>2</sup>													
	Scheduled repayment date of principal													
	Scheduled payment date of interest													
	At the end of Financial year													
В	In case of Hedging <sup>3</sup>													
	At the date of hedging													
	Period of hedging													
3	Cost of hedging													
	Currency31 & so on													
	At the date of Drawl <sup>2</sup>													
	Scheduled repayment date of principal													
3	Scheduled payment date of interest													

S1.	61. Financial Year (Starting from COD)		Year 1			Year 2				Year 3	Year 3 and so on		
	1	2	3	4	5	6	7	8	9	10	11	12	13
		Date	/ Lower and	Exchan ge Rate	Amou nt (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchan ge Rate	Amou nt (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchan ge Rate	Amoun t (Rs. Lakh)
4	At the end of Financial year				/		77		/		<i>J /</i>		
В	In case of Hedging <sup>3</sup>												
1	At the date of hedging												
	Period of hedging												
3	Cost of hedging												

- 1. Name of the currency to be mentioned e.g. US\$, DM, etc.
- 2. In case of more than one drawl during the year, Exchange rate at the date of each drawl to be given
- 3. Furnish details of hedging, in case of more than one hedging during the year or part hedging, details of each hedging are to be given
- 4. Tax (such as withholding tax) details as applicable including change in rates, date from which change effective etc. must be clearly indicated.

#### **Details of Foreign Equity**

(Details only in respect of Equity infusion if any applicable to the project under petition)

Name of the Petitioner		 	- 1	-	
Name of the Generating Station	-				
Exchange Rate on date/s of infusion					

S1.	Financial Year		Yea	ır 1		Year 2	i			Year 3	3 and so on		
	1	2	3	4	5	6	7	8	9	10	11	12	13
		Date	Amount (Foreign Currency)	Exchan ge Rate	Amou nt (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchan ge Rate	Amou nt (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchan ge Rate	Amoun t (Rs. Lakh)
	Currency11												
A.1	At the date of infusion <sup>2</sup>												
2													
3													
	Currency2 <sup>1</sup>												
A.1	At the date of infusion <sup>2</sup>												
2													
3													
	Currency3 <sup>1</sup>												
A.1	At the date of infusion <sup>2</sup>												
2													
3													
	Currency4 <sup>1</sup> and so on												
Δ1	At the date of infusion <sup>2</sup>												1
A.1 2	At the date of illusion-												1
3													+

- 1. Name of the currency to be mentioned e.g. US\$, DM, etc.
- 2. In case of equity infusion more than once during the year, Exchange rate at the date of each infusion to be given

## PART-I FORM- 5

# **Abstract of Admitted Capital Cost for the existing Projects**

Name of the Company	
Name of the Power Station	
Capital Cost as admitted by CERC	
Capital cost admitted as on	
(Give reference of the relevant CERC Order with Petition No. & Date)	
Foreign Component, if any (In Million US \$ or the relevant Currency)	
Domestic Component (Rs. Lakh)	
Foreign Exchange rate considered for the admitted Capital cost	
Hedging cost, if any, considered for the admitted Capital cost (Rs. Lakh)	
Total Capital cost admitted (Rs. Lakh)	

#### PART-I FORM- 5A

# Abstract of Capital Cost Estimates and Schedule of Commissioning for the New Projects

Name of the Petitioner		
Name of the Generating Station		
New Projects Capital Cost Estimates		
Board of Director/ Agency approving the Capital cost estimates:		
Date of approval of the Capital cost estimates:		
*	Present Day Cost	Completed Cost
Price level of approved estimates	As on End ofQtr. Of the year	As on Scheduled COD of the Station
Foreign Exchange rate considered for the Capital cost estimates		
Capital Cost excluding	IDC,IEDC & FC	
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs. Lakh)		
Capital cost excluding IDC, IEDC, FC, FERV & Hedging Cost (Rs. Cr)		
IDC, IEDC,FC, FERV &	& Hedging Cost	
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs. Lakh)		
Total IDC, IEDC, FC, FERV & Hedging Cost (Rs. Lakh)		
Rate of taxes & duties considered		
Nate of taxes & duties considered		
Capital cost Including IDC, IEDC,	FC, FERV & Hedging Cost	
Foreign Component, if any (In Million US \$ or the relevant Currency)		
Domestic Component (Rs. Lakh)		
Capital cost Including IDC, IEDC & FC (Rs. Lakh)		

Schedule of Commissioning	
COD of Unit-I/Block-I	
COD of Unit-II/Block-II	
COD of last Unit/Block	

#### Note:

- 1. Copy of approval letter should be enclosed
- 2. Details of Capital Cost are to be furnished as per FORM-5B or 5C as applicable
- 3. Details of IDC & Financing Charges are to be furnished as per FORM-14.

# Break-up of Capital Cost for Coal/Lignite based projects

Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs. Lakh)

Sl.					Actual Capital	Expenditure	as on COD (4)		Variation	Reasons
No. (1)	Break Down (2)	Rate	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	Provisions (5)	(3-4-5)	for Variation
	Cost of Land & Site									
1	Development									
1.1	Land									
1.2	Rehabilitation &									
1.2	Resettlement (R&R)									
	Preliminary									
1.3	Investigation & Site									
	Development									
2	Plant & Equipment									
	Steam Generator									
2.1	Island									
	Turbine Generator									
2.2	Island									
2.3	BOP Mechanical									
	External water									
	supply system									
	CW system									
2.3.3	DM water Plant									
2.3.4	Clarification plant									
2.3.5	Chlorination Plant									
	Fuel Handling &									
2.3.6	Storage system									
2.3.7	Ash Handling									

No. (1)  System  2.3.8 Coal Handling Plant Rolling Stock and 2.3.9 Locomotives  2.3.10 MGR Air Compressor 2.3.11 System Air Condition &	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	Provisions (5)	Variation (3-4-5)	for Variation
2.3.8 Coal Handling Plant Rolling Stock and 2.3.9 Locomotives 2.3.10 MGR Air Compressor 2.3.11 System								
Rolling Stock and 2.3.9 Locomotives 2.3.10 MGR Air Compressor 2.3.11 System								
2.3.9 Locomotives  2.3.10 MGR  Air Compressor  2.3.11 System								
2.3.10 MGR Air Compressor 2.3.11 System								
Air Compressor 2.3.11 System								
2.3.11 System								
Air Condition &								
2.3.12 Ventilation System								
2.3.13 Fire fighting System								
2.3.14 HP/LP Piping								
Total BOP								
Mechanical								
2.4 BOP Electrical								
Switch Yard								
2.4.1 Package								
Transformers								
2.4.2 Package								
Switch gear								
2.4.3 Package								
Cables, Cable								
facilities &								
2.4.4 grounding								
2.4.5 Lighting								
2.4.6 Emergency D.G. set								
Total BOP								
Electrical								
Control & Instrumentation (C								
2.5 & I) Package								
Total Plant &								
Equipment								
excluding taxes &								

S1.		As pe	r Original Es	stimates (3)	Actual Capita	l Expenditure	as on COD (4)	Liabilities/	Variation	Reasons
No. (1)	Break Down (2)	Rate	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	Provisions (5)	(3-4-5)	for Variation
	Duties									
2.6	Taxes & Duties									
3	Initial Spares									
4	Civil Works									
4.1	Main plant/Adm. Building									
4.2	CW system									
4.3	Cooling Towers									
4.4	DM water Plant									
4.5	Clarification plant									
4.6	Chlorination plant									
4.7	Fuel handling & Storage system									
4.8	Coal Handling Plant									
4.9	MGR & Marshalling Yard									
4.10	Ash Handling System									
4.11	Ash disposal area development									
4.12	Fire fighting System									
4.13	Township & Colony									
4.14	Temp. construction & enabling works									
4.15	Road & Drainage									
	Total Civil works									
5	Construction & Pre- Commissioning									

S1.	Break Down (2)	As per Original Estimates (3)			Actual Capital	Expenditure	as on COD (4)	Liabilities/	Variation	Reasons
No. (1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	Provisions (5)	Variation (3-4-5)	for Variation
	Expenses									
	Erection Testing and									
5.1	commissioning									
5.2	Site supervision									
5.3	Operator's Training									
	Construction									
5.4	Insurance									
5.5	Tools & Plant									
5.6	Start up fuel									
	Total Construction									
	& Pre-									
	Commissioning									
	Expenses									
	0 . 1 1				1			<u> </u>		
6	Overheads									
6.1	Establishment									
6.2	Design & Engineering									
6.3	Audit & Accounts									
6.4	Contingency									
0.1	Total Overheads									
	Total Overlicaus									
	Capital cost									
	excluding IDC &									
7	FC									
	IDC, FC, FERV									
8	&Hedging Cost									
	Interest During									
8.1	Construction (IDC)									
	Financing Charges									
8.2	(FC)									

S1.		As per Original Estimates (3)			Actual Capital l	Expenditure	as on COD (4)		Variation	Reasons
No. (1)	Break Down (2)	Rate	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	Provisions (5)	(3-4-5)	for Variation
8.3	Foreign Exchange Rate Variation (FERV)									
8.4	Hedging Coat									
	Total of IDC, FC,FERV & Hedging Cost									
9	Capital cost including IDC, FC, FERV & Hedging Cost									

#### Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost over run was beyond the control of the generating company. Further, comparison of actual rate with market rate should also be provided.

# Break-up of Capital Cost for Gas/Liquid fuel based projects

Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs. Lakh)

								•	(Milloun	t in Rs. Lakn)
S1. No.	Break Down (2)	As per Original Estimates (3)			Actual	Capital Expend	liture (4)	Liabilities/ Provisions	Variatio	Reasons for
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	(5)	n (3-4-5)	Variation*
	Cost of Land &									
1	Site Development									
1.1	Land									
1.2	Rehabilitation & Resettlement (R&R)									
1.3	Preliminary Investigation & Site Development									
2	Plant &									
	Equipment									
	Steam Generator									
2.1	Island									
	Turbine									
2.2	Generator Island									
2.3	WHRB Island									
2.4	BOP Mechanical									
	Fuel Handling &									
2.4.1	Storage system									
	External water									
2.4.2	supply system									

Sl. No.	Break Down (2)	As pe	er Original Esti	mates (3)	Actual	Capital Expend	liture (4)	Liabilities, Provisions	Variatio	Reasons for Variation*
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	(5)	n (3-4-5)	variation
2.4.3	CW system									
2.4.4	Cooling Towers									
2.4.5	DM water Plant									
2.4.6	Clarification plant									
	Chlorination Plant									
	Air Condition & Ventilation System Fire fighting									
	System									
2.4.10	HP/LP Piping									
	Total BOP Mechanical									
2.5	BOP Electrical									
	Switch Yard									
2.5.1	Package									
	Transformers Package									
2.5.3	Switch gear Package									
	Cables, Cable facilities &									
	grounding									
2.5.5	Lighting									
2.5.6	Emergency D.G.									
2.5.0	Total BOP									
	Electrical									
	Control &									
2.6	Instrumentation									

Sl. No.	Break Down (2)	As pe	er Original Esti		Actual	Capital Expend	<u> </u>	Liabilities/ Provisions	Variatio n (3-4-5)	Reasons for Variation*
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	(5)	11 (0 1 0)	
	(C & I) Package									
	Total Plant & Equipment excluding taxes & Duties									
m2.7	Taxes & Duties									
3	Initial Spares									
4	Civil Works									
4.1	Main plant/Adm. Building									
4.2	External Water Supply System									
4.3	CW system									
4.4	Cooling Towers									
4.5	DM water Plant									
4.6	Clarification plant Fuel handling & Storage system									
4.8	Township & Colony									
4.9	Temp. construction & enabling works									
4.10	Road & Drainage									
4.11	Fire fighting System									
	Total Civil works									

S1. No.	Break Down (2)	As pe	er Original Esti	, ,	Actual	Capital Expend		Liabilities/ Provisions	Variatio n (3-4-5)	
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	(5)	II (3-1-3)	
5	Construction & Pre-Commissioning Expenses									
5.1	Erection Testing and commissioning									
5.2 5.3	Site supervision Operator's Training									
5.4	Construction Insurance									
5.5 5.6	Tools & Plant Start up fuel Total									
	Construction & Pre- Commissioning Expenses									
<b>6</b> 6.1	Overheads Establishment									
6.2	Design & Engineering									
6.3	Audit & Accounts Contingency									
0.1	Total Overheads									
7	Capital cost excluding IDC & FC									

S1. No.	Break Down (2)	As pe	r Original Esti	mates (3)	Actual (	Capital Expend	liture (4)	Liabilities/ Provisions	Variatio n (3-4-5)	Reasons for Variation*
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Actual Amount	(5)	11 (3-4-3)	v arration
8	IDC, FC, FERV &Hedging Cost									
8.1	Interest During Construction (IDC)									
8.2	Financing Charges (FC)									
8.3	Foreign Exchange Rate Variation (FERV)									
8.4	Hedging Coat									
	Total of IDC, FC,FERV & Hedging Cost									
9	Capital cost including IDC, FC, FERV & Hedging Cost									

#### Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly\_idicated. Further, comparison of actual rate with market rate should also be provided.

#### Break-up of Construction/Supply/Service packages

Name of the Petitioner	
Name of the Generating Station	

1	Name/No. of Construction / Supply / Service Package	Package A	Package B	Package C	•••
2	Scope of works <sup>1</sup> (in line with head of cost break-ups as applicable)				
3	Whether awarded through ICB/DCB/ Departmentally/ Deposit				
	Work				
4	No. of bids received				
5	Date of Award				
6	Date of Start of work				
7	Date of Completion of Work				
8	Value of Award <sup>2</sup> in (Rs. Lakh)				
9	Firm or With Escalation in prices				
10	Actual capital expenditure till the completion or up to COD				
	whichever is earlier (Rs. Lakh)				
11	Taxes & Duties and IEDC (Rs. Lakh)				
12	IDC, FC, FERV & Hedging cost (Rs. Lakh)				
13	Sub -total (10+11+12) (Rs. Lakh)				

#### Note:

- 1. The scope of work in any package should be indicated in conformity of Capital cost break-up for the coal/lignite based plants in the FORM-5B to the extent possible. In case of Gas/Liquid fuel based projects, break down in the similar manner in the relevant heads as per FORM-5C.
- 2. If there is any package, which need to be shown in Indian Rupee and foreign currency(ies), the same should be shown separately along with the currency, the exchange rate and the date e.g. Rs. 80 Cr. + US\$ 50m=Rs. 390 Cr. at US\$=Rs 62 as on say 01.04.14.

#### In case there is cost over run

Name of the Petitioner	
Name of the Generating Station	

		Original Cost (Rs. Lakh) as approved by the Board of Members			Actual/Est	imated C Lakh)	ost (Rs.	Difference			Reasons for Variation(Please submit supporting	
S1. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	computations and documents wherever applicable)	
1	Cost of Land & Site Development											
1.1	Land											
	Rehabilitation											
	&											
1.0	Resettlement											
1.2	(R&R) Preliminary											
	Investigation											
	& Site											
1.3	Development											
,	Plant &											
2	Equipment Steam Generator											
2.1	Island											
	Turbine											
2.2	Generator Island											
2.3	BOP Mechanical											
2.3	Fuel Handling											
	& Storage											
2.3.1	system											
	External water											
2.3.2	supply system											

			Cost (Rs. La by the Boa Iembers		Actual/Est	imated C Lakh)	ost (Rs.	]	Difference	e	Reasons for Variation(Please submit supporting
S1.	n 15	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	computations and documents wherever
No.	Break Down										applicable)
222	DM water Plant										
2.3.3	Clarification										
224											
2.3.4	plant Chlorination										
2.3.5	Plant										
2.3.3											
	Fuel Handling										
2.3.6	& Storage system										
2.3.0	Ash Handling										
2.3.7	System										
2.3.7	Coal Handling										
2.3.8	Plant										
2.3.0	Rolling Stock										
	and										
2.3.9	Locomotives										
2.3.10	MGR										
2.3.10	Air										
	Compressor										
2.3.11	System										
2.3.11	Air Condition										
	& Ventilation										
2.3.12	System										
	Fire fighting										
2.3.13	System										
2.3.14	HP/LP Piping										
	Total BOP										
	Mechanical										
2.4	BOP Electrical										
2.4.1	Switch Yard										
2.4.1	Switch Laid										

	Original Cost (Rs. Lal approved by the Boa Members								Differenc	Reasons for Variation(Please submit supporting	
S1. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	computations and documents wherever applicable)
	Package										
2.4.2	Transformers Package										
2.4.3	Switch gear Package										
2.4.4	Cables, Cable facilities & grounding										
2.4.5	Lighting Emergency										
2.4.6	D.G. set Total BOP										
	Electrical										
2.5	Control & Instrumentatio n (C & I) Package										
	Total Plant & Equipment excluding taxes & Duties										
3	Initial Spares										
4	Civil Works										
4.1	Main plant/Adm. Building										
4.2	CW system										
4.3	Cooling Towers										
4.4	DM water Plant										

	Original Cost (Rs. Lakh) a approved by the Board of Members				Actual/Est	ost (Rs.	Difference			Reasons for Variation(Please submit supporting	
S1. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	computations and documents wherever applicable)
NO.	Clarification										applicable)
4.5	plant										
4.5	Chlorination										
4.6	plant										
4.0	Fuel handling										
4.7	& Storage										
4./	system Coal Handling										
4.8	Plant										
4.0	MGR &										
	Marshalling										
4.9	Yard										
4.9	Ash Handling										
4.10	System										
4.10	Ash disposal										
	area										
4.11	development										
7,11	Fire fighting										
4.12	System										
1,12	Township &										
4.13	Colony										
1,10	Temp.										
	construction &										
	enabling										
4.14	works										
1,11	Road &										
4.15	Drainage										
1.10	Total Civil										
	works										
5	Construction &										
	Pre-										

		Original Cost (Rs. Lakh) as approved by the Board of Members			Actual/Est	imated C Lakh)	ost (Rs.	Difference			Reasons for Variation(Please submit supporting
S1. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	computations and documents wherever applicable)
	Commissioning Expenses										
	Erection Testing and										
5.1	commissioning Site										
5.2	supervision										
5.3	Operator's Training										
5.4	Construction Insurance										
5.5	Tools & Plant										
5.6	Start up fuel										
	Total Construction & Pre- Commissioning Expenses										
6	Overheads										
6.1	Establishment										
6.2	Design & Engineering										
6.3	Audit & Accounts										
6.4	Contingency										
	Total Overheads										
7	Capital cost excluding IDC & FC										
8	IDC, FC, FERV &Hedging Cost										

		Original Cost (Rs. Lakh) as approved by the Board of Members		Actual/Estimated Cost (Rs. Lakh)		Difference			Reasons for Variation(Please submit supporting		
S1. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	computations and documents wherever applicable)
8.1	Interest During Construction (IDC)										
8.2	Financing Charges (FC)										
8.3	Foreign Exchange Rate Variation (FERV)										
8.4	Hedging Coat Total of IDC, FC,FERV & Hedging Cost										
9	Capital cost including IDC, FC, FERV & Hedging Cost										

Note1

1. Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.

#### In case there is time over run

Name of the Petitioner	
Name of the Generating Station	

Sr. No	Description of Activity /Works/Service	Original Schedule (As per Planning)		Actual Schedule (As per Actual)		Time Over- Run	Reasons for delay	Other Activity affected (Mention Sr No of activity affected)
		Start Date	Completion Date	Actual Start Date	Actual Completion Date	Days		·
1								
2								
3								
4								
5								
6								
7								
8								
9								
••••								

1. Delay on account of each reason in case of time overrun should be quantified and substantiated with necessary documents and supporting workings.

### PART-I FORM- 5F In case there is claim of additional RoE

Name of the Petitioner	
Name of the Generating Station	

	Con	ne as per Investment (Months)		Actual (	Qualifying time schedule(as per regulation)				
Project	Start Date	Schedule d COD (Date)	Completion time in Months	Installed Capacity	Start Date	Actual COD (Date)	Actual Completio n time in Months	Tested Capacity	Months
Unit 1									
Unit 2									
Unit 3									
Unit 4									
••••									
••••									

#### PART-I FORM- 6 Financial Package upto COD

Name of the Petitioner	
Name of the Generating Station	
Project Cost as on COD <sup>1</sup>	
Date of Commercial Operation of the Station <sup>2</sup>	

	Financial Packa	ge as Approved	Financial Pacl	kage as on COD	As Admitted on COD		
	Currency and A	amount <sup>3</sup>	Currency and	Amount <sup>3</sup>	Currency and	Currency and Amount <sup>3</sup>	
1	2	3	4	5	6	7	
Loan-I	US\$	200m					
Loan-II							
Loan-III							
and so on							
Equity-							
Foreign							
Domestic							
Total Equity							
Debt : Equity Ratio							

#### Note:

- 1. Say Rs. 80 Cr. + US\$ 200 m or Rs. 1320 Cr. including US\$ 200 m at an exchange rate of US\$=Rs 62
- 2. Date of Commercial Operation means Commercial Operation of the last unit
- 3. For example: US \$ 200m, etc.

#### PART-I FORM- 7 Financial Package upto COD

Name of the Petitioner	
Name of the Generating Station	

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Source of Loan <sup>1</sup>						
Currency <sup>2</sup>						
Amount of Loan sanctioned						
Amount of Gross Loan drawn						
upto 31.03.2014/COD 3,4,5,13,15						
Interest Type <sup>6</sup>						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor9						
If above is yes, specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes, specify details <sup>17</sup>						

#### Note:

- 1. Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
- 2. Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.

- 3. Details are to be submitted as on 31.03.2014 for existing assets and as on COD for the remaining assets.
- 4. Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.
- 5. If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.
- 6. Interest type means whether the interest is fixed or floating.
- 7. Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.
- 8. Margin means the points over and above the floating rate.
- 9. At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
- 10. Moratorium period refers to the period during which loan servicing liability is not required.
- 11. Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
- 12. Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.
- 13. Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately
- 14. If the repayment installment amount and repayment date cannot be worked out from the data furnished above, the repayment schedule to be furnished separately.
- 15. In case of Foreign loan, date of each drawal & repayment along with exchange rate at that date may be given.
- 16. Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COD for the remaining assets.
- 17. In case of hedging, specify details like type of hedging, period of hedging, cost of hedging, etc.
- 18. At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately
- 19. At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

### PART-I FORM- 8 Details of Allocation of corporate loans to various projects

Name of the Petitioner	
Name of the Generating Station	

Particulars	Package 1	Package 2	Package 3	Package 4	Package 5	Remarks
1	2	3	4	5	6	7
Source of Loan <sup>1</sup>						
Currency <sup>2</sup>						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto						
31.03.2014/COD 3,4,5,13,15						
Interest Type <sup>6</sup>						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>						
Are there any Caps/Floor9	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	
If above is yes, specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes, specify details <sup>17</sup>						
	Distribution of loa	n packages to var	rious projects			
Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

#### Note:

- 1. Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
- 2. Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.
- 3. Details are to be submitted as on 31.03.2014 for existing assets and as on COD for the remaining assets.
- 4. Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.
- 5. If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.
- 6. Interest type means whether the interest is fixed or floating.
- 7. Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.
- 8. Margin means the points over and above the floating rate.
- 9. At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
- 10. Moratorium period refers to the period during which loan servicing liability is not required.
- 11. Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
- 12. Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.
- 13. Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately
- 14. If the repayment installment amount and repayment date cannot be worked out from the data furnished above, the repayment schedule to be furnished separately.
- 15. In case of Foreign loan, date of each drawal & repayment along with exchange rate at that date may be given.
- 16. Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COD for the remaining assets.
- 17. In case of hedging, specify details like type of hedging, period of hedging, cost of hedging, etc.
- 18. At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately
- 19. At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

## **Statement of Additional Capitalisation after COD**

Name of the Petitioner	
Name of the Generating Station	
COD	

Sr. No.	Head of Work/Equipment	Actual/projected additional expenditure claimed (Rs Lakh)			Regulations under which claimed	Justification	Admitted Cost <sup>1</sup> (Rs Lakh)		
		2014-15	2015-16	2016-17	2017-18	2018-19			
1	2	3	4	5	6	7	8	9	10
1									
2									
3									
4									
5									
İ									

<sup>1.</sup> In case the project has been completed and cost has already been admitted under any tariff notification(s) in the past, fill column 10 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose copy of the tariff Order)

#### Note:

- 1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.
- 2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Rotor 50 Crs. Initial spares 5 Crs.

# Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner	
Name of the Generating Station	
COD	

Sr. No.	Year	Work/Equipment added after 30 <sup>th</sup> year from COD	Amount capitalised /Proposed to be capitalised (Rs Lakh)	Justification for capitalisation proposed	Impact on life extension
1	2	3	4	5	6
1					
2					
3					
4					
5					

## Note:

• Cost Benefit analysis for capital additions done should be submitted along with petition for approval of such schemes

Name of the Petitioner	
Name of the Generating Station	

# **Statement of Capital cost**

(To be given for relevant dates and year wise)

(Amount in Rs. Lakh)

	As on relevant date.1
A a) Opening Gross Block Amount as per books	
b) Amount of capital liabilities in A(a) above	
c) Amount of IDC, FC, FERV & Hedging cost included in A(a) above	
d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	
B a) Addition in Gross Block Amount during the period	
b) Amount of capital liabilities in B(a) above	
c) Amount of IDC, FC, FERV & Hedging cost included in B(a) above	
d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	
Ca) Closing Gross Block Amount as per books	
b) Amount of capital liabilities in C(a) above	
c) Amount of IDC, FC, FERV & Hedging cost included in C(a) above	
d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above	

## Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date

	PAK1-I
	FORM- 9B
Name of the Petitioner	
Name of the Generating Station	

# **Statement of Capital Woks in Progress**

(To be given for relevant dates and year wise)

(Amount in Rs. Lakh)

	As on relevant date.1
A a) Opening CWIP Amount as per books	
b) Amount of capital liabilities in a above	
c) Amount of IDC, FC, FERV & Hedging cost included in a above	
B a) Addition/Adjustment in CWIP Amount during the period	
b) Amount of capital liabilities in a above	
c) Amount of IDC, FC, FERV & Hedging cost included in a above	
C a) Capitalization/Transfer to Fixed asset of CWIP Amount during the period	
b) Amount of capital liabilities in a above	
c) Amount of IDC, FC, FERV & Hedging cost included in a above	
D a) Closing CWIP Amount as per books	
b) Amount of capital liabilities in a above	
c) Amount of IDC, FC, FERV & Hedging cost included in a above	

### Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date

	Financing of Additional Capitalisation
Name of the Petitioner	
Name of the Generating Station	
Date of Commercial Operation	

(Amount in Rs Lakh)

			Actua	1				Admit		
Financial Year (Starting from COD) 1	Year 1	Year 2	Year3	Year4	Year 5 & So on	Year 1	Year 2	Year3	Year4	Year 5 & So on
1	2	3	4	5	6	7	8	9	10	11
Amount capitalised in Work/Equipment										
Financing Details										
Loan-1										
Loan-2										
Loan-3 and so on										
Total Loan <sup>2</sup>										
Equity										
Internal Resources										
Others										
Total										

#### Note:

- 1 Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.
- 2 Loan details for meeting the additional capitalisation requirement should be given as per FORM-7 or 8 whichever is relevant.

# **Calculation of Depreciation**

Name of the Petitioner	
Name of the Generating Station	
	(Amount in Rs Lakh)

S1. no.	Name of the Assets¹	Gross Block as on 31.03.2014 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.19	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.19
	1	2	3	4= Col.2 X Col.3
1	Land			
2	Building			
3	and so on			
4				
5				
6				
7				
8				
9				
10				
18				
19				
20				
21				
22				
23				
24				
25				
26				
27				
28				
29				
30				
31				
32				
	TOTAL			
	Weighted Average			
	Rate of			
	Depreciation (%)			

### Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

# **Statement of Depreciation**

Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs Lakh)

											ilourit III I	
Financial Year	Upto 2007-08		2009-10	2010-11	2011-12	2012-13	2013-14	2014-15	2015- 16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8	9	10	11	12	13
Depreciation on Capital Cost												
Depreciation on Additional												
Capitalisation												
Amount of Additional												
Capitalisation												
Depreciation Amount												
Detail of FERV												
Amount of FERV on which												
depreciation charged												
Depreciation amount												
Depreciation recovered during												
the Year												
Advance against Depreciation												
recovered during the Year												
Depreciation & Advance against												
Depreciation recovered during												
the year												
Cumulative Depreciation &												
Advance against Depreciation												
recovered upto the year											1	

1. In case of details of FERV and AAD, give information for the applicable period.

# Calculation of Weighted Average Rate of Interest on Actual Loans<sup>1</sup> Name of the Petitioner Name of the Generating Station

Loan-1 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-2 Gross loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Commulative repayments of Loans upto previous year Net loan - Opening Commulative repayments of Loans upto previous year Net loan - Opening Commulative repayments of Loans upto previous year Net loan - Opening Commulative repayments of Loans upto previous year Net loan - Opening Commulative repayments of Loans during the year Net loan - Opening Commulative repayments of Loans during the year Net loan - Opening Commulative repayments of Loans during the year Net loan - Opening					(Amou		
Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Adverage Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-2 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Arerage Net Loan Rate of Interest on Loan on annual basis Interest on loan Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Arerage Net Loan Rate of Interest on Loan on annual basis Interest on Loan on Annual basis Interest on Loan Opening Arerage Net Loan Rate of Interest on Loan on annual basis Interest on Loan Opening Arerage Net Loan Rate of Interest on Loan on annual basis Interest on Loan Opening Arerage Net Loan Rate of Interest on Loan on annual basis Interest on Loan Opening Arerage Net Loan Rate of Interest on Loan on annual basis Interest on Loan Opening Arerage Net Loan Rate of Interest on Loan on annual basis Interest on Loan Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	Particulars	Existing 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-2 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Rate of Interest on Loan on annual basis Interest on loan  Doan- Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Add: Drawal(s) during the Year Less: Repayment of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Loan-3 and so on Gross loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	Loan-1						
Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan Interest on loan  Loan-2 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Interest on loan  Loan-3 and so on Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Interest on loan  Cross loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Net loan - Closing Net loan - Closing	Gross loan - Opening						
Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on Ioan  Loan-2 Gross Ioan - Opening Cumulative repayments of Loans upto previous year Net Ioan - Opening Average Net Loan Rate of Interest on Loan on annual basis Interest on Ioan  Loan-2 Gross Ioan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net Ioan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on Ioan  Loan-3 and so on Gross Ioan - Opening Cumulative repayments of Loans upto previous year Net Ioan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net Ioan - Opening Total Loan Average Net Ioan Average Net Ioan Interest on Ioa	Cumulative repayments of Loans upto previous year						
Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-2 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Average Net Loan Rate of Interest on loan  Interest on loan  Loan-2 Gross loan - Opening Average Net Loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  nterest on Loan on annual basis Interest on loan Interest on Loan on annual basis Interest on loan Interest on Loan on annual basis Interest on loan Interest on Loan on annual basis Interest on loan Interest on Loan on annual basis Interest on Loan on Loan on annual basis Inte	Net loan - Opening						
Net loan - Closing Average Net Loan Interest on Loan on annual basis Interest on loan  Loan-2 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-3  Action - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-3 and so on Gross loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayment (s) of Loans during the year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	Add: Drawal(s) during the Year						
Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-2 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Adverage Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-3 and so on Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayment (s) of Loans during the year Net loan - Closing							
Rate of Interest on Loan on annual basis Interest on loan  Loan-2 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Total Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	Net loan - Closing						
Rate of Interest on Loan on annual basis Interest on loan  Loan-2 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Total Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	Average Net Loan						
Loan-2 Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening							
Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-3 and so on Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Net loan - Opening Net loan - Opening Net loan - Closing	Interest on loan						
Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-3 and so on Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Net loan - Closing	Loan-2						
Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-3 and so on Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Net loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Net loan - Closing	Gross loan - Opening						
Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-3 and so on Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Action - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	1 0						
Less: Repayment (s) of Loans during the year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Loan-3 and so on  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Total Loan  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Total Loan  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing	Net loan - Opening						
Less: Repayment (s) of Loans during the year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Loan-3 and so on  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Total Loan  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Total Loan  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing	Add: Drawal(s) during the Year						
Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  upto previous year Interest on loan Interest on							
Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Loan-3 and so on Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing							
Rate of Interest on Loan on annual basis  Interest on loan  Loan-3 and so on  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing							
Loan-3 and so on Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing							
Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	Interest on loan						
Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Total Loan  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing	Loan-3 and so on						
Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Total Loan  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing	Gross loan - Opening						
Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	1 0						
Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Total Loan  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing							
Less: Repayment (s) of Loans during the year  Net loan - Closing  Average Net Loan  Rate of Interest on Loan on annual basis  Interest on loan  Total Loan  Gross loan - Opening  Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing							
Net loan - Closing Average Net Loan Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing							
Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	Net loan - Closing						
Rate of Interest on Loan on annual basis Interest on loan  Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing							
Total Loan Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing							
Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	Interest on loan						
Gross loan - Opening Cumulative repayments of Loans upto previous year Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing	Total Loan						
Cumulative repayments of Loans upto previous year  Net loan - Opening  Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing	Gross loan - Opening						
Net loan - Opening Add: Drawal(s) during the Year Less: Repayment (s) of Loans during the year Net loan - Closing							
Add: Drawal(s) during the Year  Less: Repayment (s) of Loans during the year  Net loan - Closing							
Less: Repayment (s) of Loans during the year  Net loan - Closing							
Net loan - Closing							
111 01 MGC 1100 DOMI	Average Net Loan						

Particulars	Existing 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Interest on loan						
Weighted average Rate of Interest on Loans						

# Note:

1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

	Calculation of Interest on Normative Loan
Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs Lakh)

Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7
Gross Normative loan - Opening						
Cumulative repayment of Normative Loan upto previous year						
Net Normative loan - Opening						
Increase/Decrease due to ACE during the Year						
Repayments of Normative Loan during the year						
Net Normative loan - Closing						
Average Normative Loan						
Weighted average Rate of Interest of actual Loans						
Interest on Normative loan						

# **Calculation of Interest on Working Capital**

Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs Lakh)

Sl. No.	Particulars	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
1	2	3	4	5	6	7	8
1	Cost of Coal/Lignite <sup>1</sup>						
2	Cost of Main Secondary Fuel Oil <sup>1</sup>						
3	Fuel Cost <sup>2</sup>						
4	Liquid Fuel Stock <sup>2</sup>						
5	O & M Expenses						
6	Maintenance Spares						
7	Receivables						
8	Total Working Capital						
9	Rate of Interest						
10	Interest on Working Capital						_

#### Note:

- 1. For Coal based/Lignite based generating stations
- 2. For Gas Turbine/Combined Cycle generating stations duly taking into account the annual mode of operation (last available) on gas fuel and liquid fuel

# Other Income as on COD

Name of the Petitioner	
Name of the Generating Station	 
· ·	(Amount in Rs. Lakh)

					(7 111	iount in N	S. Lakiij
Sl. No.	Parameters	Existing <b>2013-14</b>	2014-15	2015-16	2016-17	2017-18	2018-19
1	Interest on Loans and advance						
2	Interest received on deposits						
3	Income from Investment						
4	Income from sale of scrap						
5	Rebate for timely payment						
6	Surcharge on late payment from beneficiaries						
7	Rent from residential building						
8	Misc. receipts (Please Specify Details)						
•••	(add)						

# **Incidental Expenditure during Construction**

incidental Expe	enarture during Construction
Name of the Petitioner	
Name of the Generating Station	
<u> </u>	(Amount in Rs. Lakh)

	(Amount in Rs. L						S. Lakii)
Sl. No.	Parameters	Existing 2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
A	Expenses:						
1	Employees' Benefits Expenses						
2	Finance Costs						
3	Water Charges						
4	Communication Expenses						
5	Power Charges						
6	Other Office and Administrative Expenses						
7	Others (Please Specify Details)						
8	Other pre-Operating Expenses						
•••							
В	Total Expenses						
	Less: Income from sale of tenders						
	Less: Income from guest house						
	Less: Income recovered from Contractors						
	Less: Interest on Deposits						

# Draw Down Schedule for Calculation of IDC & Financing Charges

Name of the Petitioner	 	
Name of the Generating Station		

	Draw Down	~			Quarter 2		Quarter n (COD)			
S1. No.	Particulars	Quantu m in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)
1	Loans									
1.1	Foreign Loans									
1.1.1	Foreign Loan <sup>1</sup>									
	Draw down									
	Amount									
	IDC									
	Financing									
	charges									
	Foreign									
	Exchange Rate									
	Variation									
	Hedging Cost									
1.1.2	Foreign Loan <sup>2</sup>									
	Draw down									
	Amount									
	IDC									
	Financing									
	charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.3	Foreign Loan <sup>3</sup>									
	Draw down									
	Amount IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
111										
1.1.4										
		+								

	Draw Down		Quarter 1		Quarter 2			Quarter n (COD)		
S1. No.	Particulars	m in Foreign	Exchange Rate on draw down date	Rupee	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)
1.1	Total Foreign Loans									
	Draw down									
	Amount									
	IDC									
	Financing									
	charges									
	Foreign									
	Exchange Rate									
	Variation									
	Hedging Cost									
1.2	Indian Loans									
1.2.1	Indian Loan <sup>1</sup>									
	Draw down									
	Amount									
	IDC									
	Financing									
	charges									
1.2.2	Indian Loan <sup>2</sup>									
	Draw down									
	Amount									
	IDC									
	Financing charges									
	charges									
1.2.3	Indian Loan <sup>3</sup>									
1.2.0	Draw down									
	Amount									
	IDC		 							
	Financing									
	charges									
1.2.4										
1.2	Total Indian Loans									
	Draw down Amount									
	IDC									
	Financing									
	charges									

	Draw Down	Quarter 1			Quarter 2			Quarter n (COD)		
S1. No.	Particulars	m in Foreign	Rate on	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)
1	Total of Loans drawn									
	IDC									
	Financing charges									
	Foreign Exchange Rate									
	Variation									
	Hedging Cost									
2	Equity									
2.1	Foreign equity drawn									
2.2	Indian equity drawn									
	Total equity deployed									

#### Note:

- 1. Drawal of debt and equity shall be on paripassu basis quarter wise to meet the commissioning schedule. Drawal of higher equity in the beginning is permissible
- 2. Applicable interest rates including reset dates used for above computation may be furnished separately
- 3. In case of multi unit project details of capitalization ratio used to be furnished.

# PART-I FORM- 14A

	Actual cash	expenditure	
Name of the Petitioner	_		
Name of the Generating Station	_		

(Amount in Rs. Lakh)

	Quarter-I	Quarter-II	Quarter-III	Quarter-n (COD)
Payment to contractors/suppliers				
% of fund deployment				

Note: If there is variation between payment and fund deployment justification need to be furnished

# Details/Information to be Submitted in respect of Fuel for Computation of Energy Charges<sup>1</sup>

Name of the Petitioner	
Name of the Generating Station	

S. No.	Month	Unit	For preceding	For preceding	For preceding
3. 110.	NO.		3rd Month	2nd Month	1st Month
1	Quantity of Coal/Lignite supplied by Coal/Lignite Company	(MMT)			
2	Adjustment (+/-) in quantity supplied made by Coal/Lignite Company	(MMT)			
3	Coal supplied by Coal/Lignite Company (1+2)	(MMT)			
4	Normative Transit & Handling Losses (For coal/Lignite based Projects)	(MMT)			
5	Net coal / Lignite Supplied (3-4)	(MMT)			
6	Amount charged by the Coal / Lignite Company	(Rs.)			
7	Adjustment (+/-) in amount charged made by Coal/Lignite Company	(Rs.)			
8	Total amount Charged (6+7)	(Rs.)			
9	Transportation charges by rail/ship/road transport	( Rs.)			
10	Adjustment (+/-) in amount charged made by Railways/Transport Company	( Rs.)			
11	Demurrage Charges, if any	( Rs.)			
12	Cost of diesel in transporting coal through MGR system, if applicable	( Rs.)			
13	Total Transportation Charges (9+/-10-11+12)	( Rs.)			
14	Total amount Charged for coal/lignite supplied including Transportation (8+13)	( Rs.)			
15	Weighted average GCV of coal/ Lignite as fired	(kCal/Kg)			

### Note:

1. Similar details to be furnished for natural gas/liquid fuel for CCGT station and secondary fuel oil for coal/lignite based thermal plants

# <u>Details/Information to be Submitted in respect of Limestone for Computation of Energy Charge Rate</u>

Name of the Petitioner	
Name of the Generating Station	

Sl. No.	Month	Unit	For preceding 3rd Month	For preceding 2nd Month	For preceding 1st Month
1	Quantity of Limestone supplied by Limestone supply Company	(MMT)			
2	Adjustment (+/-) in quantity supplied made by Limestone supply Company	(MMT)			
3	Limestone supplied by Limestone supply Company(1+2)	(MMT)			
4	Net Limestone Supplied (3-4)	(MMT)			
5	Amount charged by the Limestone supply Company	(Rs.)			
6	Adjustment (+/-) in amount charged made by Limestone supply Company	(Rs.)			
7	Total amount Charged (6+7)	(Rs.)			
8	Transportation charges by rail/ship/road transport	( Rs.)			
9	Adjustment (+/-) in amount charged made by Railways/Transport Company	( Rs.)			
10	Demurrage Charges, if any	( Rs.)			
11	Total Transportation Charges (8+/-9-10)	( Rs.)			
12	Total amount Charged for Limestone supplied including Transportation (7+11)	( Rs.)			

# **Actual Performance Parameters**

Name of the Petitioner	
Name of the Generating Station	

Sl. No.	Parameters	Unit	Year 1	Year 2	Year 3	Year 4	Year 5
1	Station Heat Rate						
2	Secondary Fuel Oil Consumption						
3	Auxiliary Energy Consumption						
4	Availability						

# TARIFF FILING FORMS (THERMAL)

FOR TRUE UP

**PART-IV** 

Annexure-I

PART-I

Checklist of Forms and other information/ documents for tariff filing for

Thermal Stations

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM-1	Summary Sheet	
FORM-2	Plant Characteristics	
FORM-3	Normative parameters considered for tariff computations	
FORM- 4	Details of Foreign loans	
FORM- 4A	Details of Foreign Equity	
FORM-5	Abstract of Admitted Capital Cost	
FORM-5A	Break-up of Capital Cost for Coal/Lignite based projects	
FORM-5B	Break-up of Capital Cost for Gas/Liquid fuel based Projects	
FORM-5C	Break-up of Construction/Supply/Service packages	
FORM-5Di	In case there is cost over run	
FORM-5Dii	In case there is time over run	
FORM-5E	In case there is claim of additional RoE	
FORM- 6	Financial Package upto COD	
FORM- 7	Details of Project Specific Loans	
FORM- 8	Details of Allocation of corporate loans to various projects	
FORM-9	Statement of Additional Capitalization after COD	
FORM - 9(I)	Statement of Additional Capitalisation during fag end of the Project	
FORM- 9 A	Statement of Capital cost	
FORM- 9B	Statement of Capital Woks in Progress	
FORM- 10	Financing of Additional Capitalizations	
FORM- 11	Calculation of Depreciation Rate	
FORM- 12	Statement of Depreciation	
FORM- 13	Calculation of Weighted Average Rate of Interest on Actual Loans	
FORM- 13A	Calculation of Interest on Normative Loan	
FORM- 13 B	Calculation of Interest on Working Capital	
FORM- 13 C	Other Income as on COD	
FORM- 13 D	Incidental Expenditure during Construction	

Form No.	Title of Tariff Filing Forms (Thermal)	Tick
FORM- 14	Draw Down Schedule for Calculation of IDC & Financing Charges	
FORM- 14A	Actual cash expenditure	
FORM-15	Actual Performance Parameters	
Other Inforn	nation/ Documents	
Sl. No.	Information/Document	Tick
	Certificate of incorporation, Certificate for Commencement of	
4	Business, Memorandum of Association, & Articles of Association	
1	(For New Station setup by a company making tariff application	
	for the first time to CERC)	
	Stationwise and Corporate audited Balance Sheet and Profit &	
2	Loss Accounts with all the Schedules & annexures on COD of the	
	Station for the new station & for the relevant years.	
3	Copies of relevant loan Agreements	
4	Copies of the approval of Competent Authority for the Capital	
4	Cost and Financial package.	
-	Copies of the Equity participation agreements and necessary	
5	approval for the foreign equity.	
6	Copies of the BPSA/PPA with the beneficiaries, if any	
	Detailed note giving reasons of cost and time over run, if	
	applicable.	
	List of supporting documents to be submitted:	
7	a. Detailed Project Report	
	b. CPM Analysis	
	c. PERT Chart and Bar Chart	
	d. Justification for cost and time Overrun	
8	Any other relevant information, (Please specify)	

Note 1: Electronic copy of the petition (in words format) and detailed calculation as per these formats (in excell format) and any other information submitted shall also be furnished in the form of CD/Floppy disc.

# **Summary Sheet**

Name of the Petitioner	
Name of the Generating Station:	
Place (Region/District/State):	

Sr. N o.	Particulars	Unit	Existing	2013-14	2014	-15	2015-	-16	2016-	-17	2017-18		2018	-19				
1	2		3		4		5	5		5		5			7		8	
			As admitted by the Commissi on	Actual	As admitted by the Commiss ion	Actual	As admitted by the Commissi on	Actual	As admitted by the Commissi on	Actual	As admitted by the Commissi on	Actual	As admitted by the Commiss ion	Actua 1				
1.1	Depreciation	Rs Lakh																
1.2	Interest on Loan	Rs Lakh																
1.3	Return on Equity <sup>1</sup>	Rs Lakh																
1.4	Interest on Working Capital	Rs Lakh																
1.5	O & M Expenses	Rs Lakh																
1.6	Secondary fuel oil cost	Rs Lakh																
	Total	Rs Lakh																
2.1	Landed Fuel Cost	Rs/Ton e																
	(%) of Fuel	(%)																

Quantity													
	Rs/Ton												
Cost	e												
	(%)												
Quantity													
	Rs/Unit												
fuel oil cost													
0.	Rs/Unit												
_													
2B, 2C,													
	Cost  (%) of Fuel Quantity  Secondary fuel oil cost  Energy Charge Rate ex-bus(	Landed Fuel Rs/Ton Cost e  (%) of Fuel (%) Quantity  Secondary fuel oil cost  Energy Rs/Unit Charge Rate ex-bus( Paise/kWh) <sup>2A,</sup>	Landed Fuel Rs/Ton Cost e  (%) of Fuel (%) Quantity  Secondary Rs/Unit fuel oil cost  Energy Rs/Unit Charge Rate ex-bus( Paise/kWh) <sup>2A,</sup>	Landed Fuel Rs/Ton Cost e  (%) of Fuel (%) Quantity  Secondary Rs/Unit fuel oil cost  Energy Rs/Unit Charge Rate ex-bus( Paise/kWh) <sup>2A,</sup>	Landed Fuel Rs/Ton Cost e  (%) of Fuel (%) Quantity  Secondary Rs/Unit fuel oil cost  Energy Rs/Unit Charge Rate ex-bus( Paise/kWh) <sup>2A,</sup>	Landed Fuel Rs/Ton Cost e  (%) of Fuel (%) Quantity  Secondary Rs/Unit fuel oil cost  Energy Rs/Unit Charge Rate ex-bus( Paise/kWh) <sup>2A,</sup>	Landed Fuel Rs/Ton Cost e  (%) of Fuel (%) Quantity  Secondary fuel oil cost  Energy Rs/Unit Charge Rate ex-bus( Paise/kWh) <sup>2A,</sup>	Landed Fuel Rs/Ton Cost e (%) of Fuel (%) Quantity  Secondary Rs/Unit fuel oil cost  Energy Rs/Unit Charge Rate ex-bus( Paise/kWh) <sup>2A,</sup>	Landed Fuel Cost e (%)  (%) of Fuel Quantity  Secondary fuel oil cost  Energy Rs/Unit Charge Rate ex-bus( Paise/kWh) <sup>2A,</sup>	Landed Fuel Rs/Ton e  (%) of Fuel Quantity  Secondary fuel oil cost  Energy Rs/Unit Charge Rate ex-bus( Paise/kWh) <sup>2A,</sup>	Landed Fuel Cost e	Landed Fuel Rs/Ton Cost e	Landed Fuel Cost e (%)  (%) of Fuel Quantity  Secondary fuel oil cost  Energy Charge Rate ex-bus( Paise/kWh) <sup>2A</sup> .

#### Note

- 1: Details of calculations, considering equity as per regulation, to be furnished.
- 2A: If multifuel is used simultaneously, give 2 in respect of every fuel individually.
- 2B: The rate of energy charge shall be computed for open cycle operation and combined cycle \operation separately in case of gas/liquid fuel fired plants.
- 2C: The total energy charge shall be worked out based on ex-bus energy scheduled to be sent out.

#### **Plant Characteristics**

Name of the Company						
Name of the Power Station						
Unit(s)/Block(s)/Parameters	Unit-I	Unit-II	Unit-III	••••		
Pressure (kg/Cm <sup>2</sup> )						
Temperature °C						
- At Superheater Outlet						
- At Reheater Outlet						
Guaranteed Design Heat Rate (kCal/kWh)						
Conditions on which guaranteed						
% MCR						
% Makeup						
Design Fuel						
Design Cooling Water Temperature						
Back Pressure						
Note: In case guaranteed unit heat rate is not	availab	le then	furnish t	he gua	ranteed 1	turbine
cycle heat rate and guaranteed boiler efficiency	separa	tely alor	ng with c	onditio	n of gua	rantee.
Type of Cooling Tower						
Installed Capacity (IC)						
Date of Commercial Operation (COD)						
Type of cooling system <sup>1</sup>						
Type of Boiler Feed Pump <sup>2</sup>						
Fuel Details <sup>3</sup>						
-Primary Fuel						
-Secondary Fuel						
-Alternate Fuels						
Special Features/Site Specific Features <sup>4</sup>						
Special Technological Features <sup>5</sup>						
Environmental Regulation related features <sup>6</sup>						
Any other special features						

- 1: Closed circuit cooling, once through cooling, sea cooling, natural draft cooling, induced draft cooling etc.
- 2: Motor driven, Steam turbine driven etc.
- 3: Coal or natural gas or naptha or lignite etc.
- 4: Any site specific feature such as Merry-Go-Round, Vicinity to sea, Intake / makeup water systems etc. scrubbers etc. Specify all such features.
- 5: Any Special Technological feature like Advanced class FA technology in Gas Turbines, etc.
- 6: Environmental regulation related features like FGD, ESP etc.
- Note 1: In case of deviation from specified conditions in Regulation, correction curve of manufacturer may also be submitted.
- Note 2: Heat Balance Diagrams has to be submitted along with above information in case of new stations.

# **Admitted and Actual Parameters**

Name of the Petitioner	
Name of the Generating Station	

Year Ending March

Particulars Unit Existing 2013-14 2014-15 2015-16 2016-17 2017-18 2018-19												
Unit	Existing 20	sting 2013-14 2014-15			2015-1	.6	2016-17		2017-1	18	2018-19	
(2)	(3)		(4)		(5)		(6)		(7)		(8)	
		Actual		Actual		Actual		Actual		Actual		
	Commission		Commission		Commission		Commission		Commission		Commission	
0/												
/0												
%												
%												
0/_												
/0												
1.Ca1/1.TA7b												
KCai/ KVVII												
1 /1-JA71-												
IIII/ KVVII												
in Months												
in Months												
in Months												
in Months												
Rs / MW												
% of O&M												
in Months												
	% % % % kCal/kWh ml/kWh in Months in Months in Months in Months in Months	(2) As admitted by the Commission  % % % %  KCal/kWh ml/kWh in Months in Months in Months in Months	As admitted by the Commission  As admitted by the Commission  %  %  %  %  kCal/kWh  ml/kWh in Months in Months in Months The Months In M	As admitted by the Commission  As admitted by the Commission  %  %  %  %  KCal/kWh  ml/kWh in Months in Months in Months in Months  Rs / MW  % of O&M  Actual As admitted by the Commission   As admitted by the Commission  As admitted by the Commission  %  %  %  %  %  KCal/kWh  ml/kWh  in Months  in Months  in Months  Rs / MW  % of O&M  As admitted by the Commission  Actual by the Commission  As admitted b	As admitted by the Commission  Actual As admitted by the Commission  Actual by the Commission  Actual As admitted Actual As admitted by the Commission  Actual As admitted by	As admitted by the Commission	(2)         (3)         (4)         (5)         (6)           As admitted by the Commission         Actual by the Commission         Actu	C2	Cale   Cale	Unit   Existing 2013-14   2014-15   2015-16   2016-17   2017-18	Unit   Existing 2013-14   2014-15   2015-16   2016-17   2017-18   2018-16   (2)   (3)   (4)   (5)   (6)   (7)   (8)	

Particulars	Unit	0		2014-1	2014-15		2015-16		7	2017-18		2018-1	.9
(1)	(2)	(3)		(4)		(5)		(6)		(7)		(8)	
		As admitted	Actual	As admitted	Actual	As admitted	Actual	As admitted	Actual	As admitted	Actual	As admitted	Actual
		by the		by the		by the		by the		by the		by the	
		Commission		Commission		Commission		Commission		Commission		Commission	
Storage capacity of													
Primary fuel													
SBI Base Rate + 350	%												
basis points as on													
3													

- 1. For Coal based/lignite based generating stations
- 2. For Gas Turbine/Combined Cycle generating stations duly taking into account the mode of operation on gas fuel and liquid fuel
- 3. Mention relevant date

Details of Foreign loans
(Details only in respect of loans applicable to the project under petition)

	`	J	1	1 1	1 )	1	,
Name of the Petitioner							
Name of the Generating Sta	tion						
<b>Exchange Rate at COD</b>							
Exchange Rate as on 31.3.201	4						

Sl. Financial Year (Starting from COD)		Yea	ar 1		Year 2	2			Year 3 and so on				
1	2	3	4	5	6	7	8	9	10	11	12	13	
	Date	Amount (Foreign Currency)	Exchan ge Rate	Amou nt (Rs. Lakh)	Date	Amount (Foreign Currency)	Exchan ge Rate		Date	Amount (Foreign Currency)	Exchan ge Rate	Amoun t (Rs. Lakh)	
Currency1 <sup>1</sup>													
A.1 At the date of Drawl <sup>2</sup>													
2 Scheduled repayment date of principal													
3 Scheduled payment date of interest													
4 At the end of Financial year													
B In case of Hedging <sup>3</sup>													
1 At the date of hedging													
2 Period of hedging													
3 Cost of hedging													
Currency2 <sup>1</sup>													
A.1 At the date of Drawl <sup>2</sup>													
2 Scheduled repayment date of principal													
3 Scheduled payment date of interest													
4 At the end of Financial year													
B In case of Hedging <sup>3</sup>													
1 At the date of hedging													
2 Period of hedging													
3 Cost of hedging													
Currency31 & so on													
A.1 At the date of Drawl <sup>2</sup>													
2 Scheduled repayment date of principal													
3 Scheduled payment date of interest													

4	At the end of Financial year						
В	In case of Hedging <sup>3</sup>						
1	At the date of hedging						
2	Period of hedging						
3	Cost of hedging						

- 1. Name of the currency to be mentioned e.g. US\$, DM, etc.
- 2. In case of more than one drawl during the year, Exchange rate at the date of each drawl to be given
- 3. Furnish details of hedging, in case of more than one hedging during the year or part hedging, details of each hedging are to be given
- 4. Tax (such as withholding tax) details as applicable including change in rates, date from which change effective etc. must be clearly indicated.

# **Details of Foreign Equity**

(Details only in respect of Equity infusion if any applicable to the project under petition)

Name of the Petitioner	 	 • ,	•	ŕ
Name of the Generating Station				
Exchange Rate on date/s of infusion				

S1.	Financial Year		Yea	ır 1		Year 2				Year 3 and so on				
	1	2	3	4	5	6	7	8	9	10	11	12	13	
		Date	Amount (Foreign Currency)	Exchan ge Rate	Amou nt (Rs. Lakh)	Date	Amount (Foreign Currency)	exchan		Date	Amount (Foreign Currency)	Exchan ge Rate	Amoun t (Rs. Lakh)	
	Currency1 <sup>1</sup>													
A.1	At the date of infusion <sup>2</sup>													
2														
3														
	Currency2 <sup>1</sup>													
A.1	At the date of infusion <sup>2</sup>													
2														
3														
	Currency31													
A.1	At the date of infusion <sup>2</sup>													
2														
3														
	Currency4¹ and so on													
	At the date of infusion <sup>2</sup>													
2														
3														

- 1. Name of the currency to be mentioned e.g. US\$, DM, etc.
- 2. In case of equity infusion more than once during the year, Exchange rate at the date of each infusion to be given

# PART-IV FORM- 5

# Abstract of Admitted Capital Cost

Name of the Company	
Name of the Power Station	
Actual Date of Commissioning:	
Unit 1	
Unit 2	
Unit 3	
****	
Capital Cost as admitted by CERC	
Capital cost admitted as on	
(Give reference of the relevant CERC Order with Petition No. & Date)	
Foreign Component, if any (In Million US \$ or the relevant Currency)	
Domestic Component (Rs. Lakh)	
Foreign Exchange rate considered for the admitted Capital cost	
Hedging cost, if any, considered for the admitted Capital cost (Rs. Lakh)	
Total Capital cost admitted (Rs. Lakh)	

# Break-up of Capital Cost for Coal/Lignite based projects

Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs. Lakh)

S1. No.	Break Down (2)	As per Original Estimates (3)			As admitted by the Commission (4)				al Capital E as on CO		Liabilities/ Provisions	Variation	Reasons for
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Admitted Amount	Rate	Quantity	Actual Amount	(6)	(4-5-6)	Variation
	Cost of Land &												
	Site												
	Development												
1.1	Land												
1.0	Rehabilitation &												
1.2	Resettlement (R&R)												
	Preliminary												
1.3	Investigation &												
	Site Development												
2	Plant &												
	Equipment												
	Steam Generator												
2.1	Island												
2.2	Turbine Generator Island												
2.3	BOP Mechanical												
231	External water supply system												
	CW system												
	DM water Plant												
2.3.4	Clarification plant							1					
225	Chlorination												
2.3.5	Plant												

S1.	Break Down (2)	As p	As per Original Estimates (3)			As admitted by the Commission (4)				Expenditure D (5)	Liabilities/	Variation	Reasons
No. (1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Admitted Amount	Rate	Quantity	Actual Amount	Provisions (6)	(4-5-6)	for Variation
2.3.6	Fuel Handling & Storage system												
2.3.7	Ash Handling System												
2.3.8	Coal Handling Plant												
	Rolling Stock and Locomotives												
2.3.10	MGR												
2.3.11	Air Compressor System												
2312	Air Condition & Ventilation System												
2.3.13	Fire fighting System												
2.3.14	HP/LP Piping												
	Total BOP Mechanical												
	<b>BOP Electrical</b>												
	Switch Yard Package												
	Transformers Package												
2.4.3	Switch gear Package												
	Cables, Cable facilities & grounding												
	Lighting												
	Emergency D.G. set												
	Total BOP Electrical												
2.5	Control & Instrumentation												

S1.	B 1 D (2)	As per Original Estimates (3)			As admitted by the Commission (4)				al Capital E as on CO	Expenditure D (5)	Liabilities/	Variation	Reasons for
No. (1)	Break Down (2)	Rate	Quantity	Estimated Amount	Rate	Quantity	Admitted Amount	Rate	Quantity	Actual Amount	Provisions (6)	(4-5-6)	Variation
	(C & I) Package												
	Total Plant & Equipment excluding taxes & Duties												
2.6	Taxes & Duties												
3	Initial Spares												
4	Civil Works												
4.1	Main plant/Adm. Building												
4.2	CW system												
4.3	Cooling Towers												
4.4	DM water Plant												
4.5	Clarification plant												
4.6	Chlorination plant												
4.7	Fuel handling & Storage system												
4.8	Coal Handling Plant												
4.9	MGR & Marshalling Yard												
4.10	Ash Handling System												
4.11	Ash disposal area development												
4.12	Fire fighting System												
4.13	Township & Colony												

Sl.	Process Doving (2)	As p	er Original (3)	Estimates	As adn	nitted by the Com	mission (4)	Actua	al Capital I as on CO	Expenditure D (5)	Liabilities/ Provisions	Variation	Reasons for
No. (1)	Break Down (2)	Rate	Quantity	Estimated Amount	Rate	Quantity	Admitted Amount	Rate	Quantity	A ctural	(6)	(4-5-6)	Variation
4.14	Temp. construction & enabling works												
4.15	Road & Drainage												
	Total Civil works												
	Construction & Pre-Commissioning Expenses Erection Testing and commissioning												
	Site supervision												
5.3	Operator's Training Construction												
	Insurance												
	Tools & Plant												
5.6	Start up fuel Total Construction & Pre- Commissioning Expenses												
6	Overheads												
6.1	Establishment												
6.2	Design & Engineering												
6.3	Audit & Accounts												
6.4	Contingency Total Overheads												

Sl. No.	Proofs Dover (2)	As p	er Origina (3)	l Estimates	As adn	nitted by the Com	mission (4)	Actua	al Capital E as on CO	Expenditure D (5)	Liabilities/ Provisions	Variation	Reasons for
(1)	Break Down (2)	Rate	Quantity	Estimated Amount	Rate	Quantity	Admitted Amount	Rate	Quantity	Actual Amount	(6)	(4-5-6)	Variation
7	Capital cost excluding IDC & FC												
8	IDC, FC, FERV &Hedging Cost												
8.1	Interest During Construction (IDC)												
8.2	Financing Charges (FC)												
8.3	Foreign Exchange Rate Variation (FERV)												
8.4	Hedging Coat												
	Total of IDC, FC,FERV & Hedging Cost												
9	Capital cost including IDC, FC, FERV & Hedging Cost												

### Note:

1. In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost over run was beyond the control of the generating company.

## Break-up of Capital Cost for Gas/Liquid fuel based projects

Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs. Lakh)

	1										(-	Amount	in Ks. Lakn)
S1. No.	Break Down (2)	As per	Original Est	imates (3)	As admitte	ed by the Com	mission (4)	Actual C	Capital Exp (5)	enditure	Liabilitie s/ Provisio	Variati on (4-5-	Reasons for Variation*
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Admitted Amount	Rate	Quantity	Actual Amount	ns (6)	6)	V 411447011
1	Cost of Land & Site Development												
	Land												
	Rehabilitation & Resettlement (R&R)												
1.3	Preliminary Investigation & Site Development												
2	Plant & Equipment												
2.1	Steam Generator Island												
2.2	Turbine Generator Island												
2.3	WHRB Island												
2.4	BOP Mechanical												
2.4.1	Fuel Handling & Storage												

S1. No.	Break Down (2)	As per	Original Est	imates (3)	As admitte	ed by the Com	nmission (4)	Actual (	Capital Exp (5)	enditure	Liabilitie s/ Provisio	Variati on (4-5-	Reasons for Variation*
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Admitted Amount	Rate	Quantity	Actual Amount	ns (6)	6)	variation
	system												
2.4.2	External water supply system												
2.4.3	CW system												
2.4.4	Cooling Towers												
2.4.5	DM water Plant												
	Clarification												
2.4.6	plant												
2.4.7	Chlorination Plant												
	Air Condition & Ventilation												
2.4.8	System												
2.4.9	Fire fighting System												
	HP/LP Piping												
	Total BOP Mechanical												
2.5	BOP Electrical												
	Switch Yard Package												
	Transformers												
2.5.2	Package Switch gear												
2.5.3	Package												
	Cables, Cable facilities &												
2.5.4	grounding												
	Lighting												
	Emergency D.G. set			•		•	•						

S1. No. (1)	Break Down (2)	As per Original Estimates (3)				ed by the Com	amission (4)	d Pate Quantity Actual			Liabilitie s/ Provisio	Variati on (4-5- 6)	Reasons for Variation*
(-)		Rate	Quantity	Amount	Rate	Quantity	Amount	Rate	Quantity	Amount	ns (6)	,	
	Total BOP Electrical												
2.6	Control & Instrumentation (C & I) Package												
	Total Plant & Equipment excluding taxes & Duties												
m2.7	Taxes & Duties												
3	Initial Spares												
	C' 11 TAY 1												
4	Civil Works Main												
4.1	plant/Adm. Building												
	External Water Supply System												
4.3	CW system												
4.4	Cooling Towers												
4.5	DM water Plant												
	Clarification plant												
	Fuel handling & Storage system												
4.8	Township & Colony												
4.9	Temp. construction & enabling works												

Sl. No.	Break Down (2)	As per	r Original Est	imates (3)	As admitte	ed by the Con	nmission (4)	Actual (	Capital Exp (5)	enditure	Liabilitie s/ Provisio	v ariati on (4-5-	Reasons for Variation*
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Admitted Amount	Rate	Quantity	Actual Amount	ns (6)	6)	v arration
	Road &												
4.10	Drainage												
4.44	Fire fighting												
4.11	System Total Civil												
	works												
	WOIKS												
5	Construction & Pre-Commissioning												
	Expenses												
	Erection Testing and												
5.1	commissioning												
	Site supervision												
0.2	Operator's												
5.3	Training												
	Construction												
5.4	Insurance												
5.5	Tools & Plant												
5.6	Start up fuel												
	Total Construction & Pre-												
	Commissioning Expenses												
									1				
6	Overheads												
6.1	Establishment												
	Design &												
6.2	Engineering								1				
( )	Audit &												
6.3	Accounts												
6.4	Contingency												

Sl. No.	Break Down (2)	As pei				As admitted by the Commission (4)			Capital Exp (5)	enditure	Liabilitie s/ Provisio	on (4-5-	Reasons for Variation*
(1)		Rate	Quantity	Estimated Amount	Rate	Quantity	Admitted Amount	Rate	Quantity	Actual Amount	ns (6)	6)	Variation
	Total Overheads												
7	Capital cost excluding IDC & FC												
8	IDC, FC, FERV &Hedging Cost												
8.1	Interest During Construction (IDC)												
8.2	Financing Charges (FC)												
8.3	Foreign Exchange Rate Variation (FERV)												
8.4	Hedging Coat												
	Total of IDC, FC,FERV & Hedging Cost												
9	Capital cost including IDC, FC, FERV & Hedging Cost												

#### Note:

In case of cost variation, a detailed note giving reasons of such variation should be submitted clearly indicating whether such cost over run was beyond the control of the generating company.

### Break-up of Construction/Supply/Service packages

Name of the Petitioner	
Name of the Generating Station	

1	Name/No. of Construction / Supply / Service	Packa	ige A	Pacl	kage B	Pack	age C	•••
	Package	Approved	Actual	Approved	Actual	Approved	Actual	
2	Scope of works <sup>1</sup> (in line with head of cost break-ups as applicable)							
3	Whether awarded through ICB/DCB/ Departmentally/ Deposit Work							
4	No. of bids received							
5	Date of Award							
6	Date of Start of work							
7	Date of Completion of Work							
8	Value of Award <sup>2</sup> in (Rs. Lakh)							
9	Firm or With Escalation in prices							
10	Actual capital expenditure till the completion or up to COD whichever is earlier (Rs. Lakh)							
11	Taxes & Duties and IEDC (Rs. Lakh)							
12	IDC, FC, FERV & Hedging cost (Rs. Lakh)							
13	Sub -total (10+11+12) (Rs. Lakh)							

#### Note:

- 1. The scope of work in any package should be indicated in conformity of Capital cost break-up for the coal/lignite based plants in the FORM-5B to the extent possible. In case of Gas/Liquid fuel based projects, break down in the similar manner in the relevant heads as per FORM-5C.
- 2. If there is any package, which need to be shown in Indian Rupee and foreign currency(ies), the same should be shown separately along with the currency, the exchange rate and the date e.g. Rs. 80 Cr. + US\$ 50m=Rs. 390 Cr. at US\$=Rs 62 as on say 01.04.14.

### In case there is cost over run

Name of the Petitioner	
Name of the Generating Station	

		Original C as approve of M		Board		Cost as admitted by the Commission (Rs. Lakh)		Actual (	Cost (R	s. Lakh)		ifferencitted – A	-	Reasons for Variation(Please submit supporting computations
Sl. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quanti ty	Rate	Total Cost	and documents wherever applicable)
	Cost of Land & Site Development													
1.1	Land													
	Rehabilitation & Resettlement (R&R)													
	Preliminary Investigation & Site													
1.3	Development													
	Plant &													
2	Equipment													
2.1	Steam Generator Island													
2.2	Turbine Generator Island													
2.3	BOP Mechanical													
2.3.1	Fuel Handling & Storage system													
2.3.2	External water supply system													
	DM water Plant													

		of Members		Cost as a	ndmitte sion (R	d by the s. Lakh)	Actual Cost (Rs. Lakh)				ifferencitted – A		Reasons for Variation(Please submit supporting computations	
Sl. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quanti ty	Rate	Total Cost	and documents wherever applicable)
	Clarification													
2.3.4	plant													
	Chlorination													
2.3.5	Plant													
	Fuel Handling													
	& Storage													
2.3.6	system													
	Ash Handling													
2.3.7	System													
	Coal Handling													
2.3.8	Plant													
	Rolling Stock													
	and													
2.3.9	Locomotives													
2.3.10	MGR													
	Air Compressor													
2.3.11	System													
	Air Condition &													
	Ventilation													
	System													
	Fire fighting													
	System													
2.3.14	HP/LP Piping													
	Total BOP													
	Mechanical													
2.4	BOP Electrical													
	Switch Yard													
2.4.1	Package													
	Transformers													
2.4.2	Package													

		Original C as approve of M		e Board			d by the s. Lakh)	Actual (	Cost (R	s. Lakh)		ifferencitted – A		Reasons for Variation(Please submit supporting computations
Sl. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quanti ty	Rate	Total Cost	and documents wherever applicable)
	Switch gear													
2.4.3	Package													
	Cables, Cable													
2.4.4	facilities &													
2.4.4	grounding													
2.4.5	Lighting													
2.4.6	Emergency													
2.4.6	D.G. set Total BOP													
	Electrical													
	Control &													
	Instrumentation													
2.5	(C & I) Package Total Plant &													
	Equipment													
	excluding taxes &													
	Duties													
3	Initial Spares													
4	Civil Works													
	Main													
	plant/Adm.													
4.1	Building													
4.2	CW system													
4.3	Cooling Towers													
4.4	DM water Plant													
	Clarification													
4.5	plant													
4.6	Chlorination													
4.0	plant Fuel handling &													
4.7	Storage system													
1./	Storage system												<u> </u>	

		Original C as approve of M		<b>Board</b>	Cost as a		d by the s. Lakh)	Actual (	Cost (R	s. Lakh)		ifferencitted - A		Reasons for Variation(Please submit supporting computations
Sl. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quanti ty	Rate	Total Cost	and documents wherever applicable)
5207100	Coal Handling													
4.8	Plant													
	MGR &													
	Marshalling													
4.9	Yard													
	Ash Handling													
4.10	System													
	Ash disposal													
	area													
4.11	development													
4.10	Fire fighting													
4.12	System													
4.13	Township & Colony													
4.13	Temp.													
	construction &													
4.14	enabling works													
	Road &													
4.15	Drainage													
	Total Civil works													
5	Construction &													
	Pre-													
	Commissioning Expenses													
	Erection Testing													
	and													
5.1	commissioning													
	Site supervision													
	Operator's													
5.3	Training													
	Construction													

		Original Cost (Rs. Crore) as approved by the Board of Members		<b>Board</b>			d by the s. Lakh)	Actual (	Cost (R	s. Lakh)		ifferenditted – A		Reasons for Variation(Please submit supporting computations
Sl. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quanti ty	Rate	Total Cost	and documents wherever applicable)
	Insurance													
5.5	Tools & Plant													
5.6	Start up fuel													
	Total Construction & Pre- Commissioning Expenses													
6	Overheads													
6.1	Establishment													
6.2	Design & Engineering Audit &													
6.3	Accounts													
6.4	Contingency													
	<b>Total Overheads</b>													
7	Capital cost excluding IDC & FC													
8	IDC, FC, FERV &Hedging Cost													
8.1	Interest During Construction (IDC)													
8.2	Financing Charges (FC)													
8.3	Foreign Exchange Rate Variation (FERV)													
8.4	Hedging Coat													
	Total of IDC, FC,FERV & Hedging Cost													

		Original C as approve of M	•	e Board	Cost as a		d by the ls. Lakh)	Actual (	Cost (R	s. Lakh)		ifferencitted – A		Reasons for Variation(Please submit supporting computations
Sl. No.	Break Down	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quantity	Rate	Total Cost	Quanti ty	Rate	Total Cost	and documents wherever applicable)
	Capital cost including IDC, FC, FERV & Hedging Cost													

Note1

1. Impact on account of each reason for Cost overrun should be quantified and substantiated with necessary documents and supporting workings.

In case there	e is time over run

Name of the Petitioner	
Name of the Generating Station	

Sr. No	Description of Activity		l Schedule Planning)		mitted by mmission		al Schedule per Actual)	Time Over- Run	Reasons for delay (w.r.t to	Other Activity affected
	/Works/Servic e	Start Date	Completio n Date	Start Date	Completi on Date	Actual Start Date	Actual Completion Date	Days (w.r.t to Commission admitted schedule)	Commission admitted schedule)	(Mention Sr No of activity affected)
1										
2										
3										
4										
5										
6										
7										
8										
9										
••••										

1. Delay with reference to the Commission admitted schedule on account of each reason in case of time overrun should be quantified and substantiated with necessary documents and supporting workings.

	Con	npletion Tin	ne as per Investment (Months)	t approval		Actual (	Qualifying time schedule(as per regulation)		
Project	Start Date	Scheduled COD (Date)	Completion time in Months	Installed Capacity	Start Date	Actual COD (Date)	Actual Completion time in Months	Tested Capacity	Months
Unit 1									
Unit 2									
Unit 3									
Unit 4									
••••									
••••									

### Financial Package upto COD

Name of the Petitioner	
Name of the Generating Station	
Project Cost as on COD <sup>1</sup>	
Date of Commercial Operation of the Station <sup>2</sup>	

	Financial Package as Approved by Board		Financial Pacl the Commissi	kage as admitted by	Actuals as on COD		
	Currency and A	Amount <sup>3</sup>	Currency and	Amount <sup>3</sup>	Currency and Amount <sup>3</sup>		
1	2	3	4	5	6	7	
Loan-I	US\$	200m					
Loan-II	20.7						
Loan-III							
and so on							
Equity-							
Foreign							
Domestic							
Total Equity							
Debt : Equity Ratio							

#### Note:

- 1. Say Rs. 80 Cr. + US\$ 200 m or Rs. 1320 Cr. including US\$ 200 m at an exchange rate of US\$=Rs 62
- 2. Date of Commercial Operation means Commercial Operation of the last unit
- 3. For example: US \$ 200m, etc.

### **Details of Project Specific Loan**

Name of the Petitioner	
Name of the Generating Station	

Particulars	Package1	Package2	Package3	Package4	Package5	Package6
1	2	3	4	5	6	7
Source of Loan <sup>1</sup>						
Currency <sup>2</sup>						
Amount of Loan sanctioned						
Amount of Gross Loan drawn						
upto 31.03.2014/COD 3,4,5,13,15						
Interest Type <sup>6</sup>						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor9						
If above is yes, specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes, specify details <sup>17</sup>						

### Note:

1. Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.

- 2. Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.
- 3. Details are to be submitted as on 31.03.2014 for existing assets and as on COD for the remaining assets.
- 4. Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.
- 5. If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.
- 6. Interest type means whether the interest is fixed or floating.
- 7. Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.
- 8. Margin means the points over and above the floating rate.
- 9. At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
- 10. Moratorium period refers to the period during which loan servicing liability is not required.
- 11. Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
- 12. Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.
- 13. Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately
- 14. If the repayment installment amount and repayment date cannot be worked out from the data furnished above, the repayment schedule to be furnished separately.
- 15. In case of Foreign loan, date of each drawal & repayment along with exchange rate at that date may be given.
- 16. Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COD for the remaining assets.
- 17. In case of hedging, specify details like type of hedging, period of hedging, cost of hedging, etc.
- 18. At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately
- 19. At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

### **Details of Actual Allocation of corporate loans to various projects**

Name of the Petitioner	
Name of the Generating Station	

Particulars	Package 1	Package 2	Package 3	Package 4	Package 5	Remarks
1	2	3	4	5	6	7
Source of Loan <sup>1</sup>						
Currency <sup>2</sup>						
Amount of Loan sanctioned						
Amount of Gross Loan drawn upto						
31.03.2014/COD 3,4,5,13,15						
Interest Type <sup>6</sup>						
Fixed Interest Rate, if applicable						
Base Rate, if Floating Interest <sup>7</sup>						
Margin, if Floating Interest <sup>8</sup>						
Are there any Caps/Floor9	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	
If above is yes, specify caps/floor						
Moratorium Period <sup>10</sup>						
Moratorium effective from						
Repayment Period <sup>11</sup>						
Repayment effective from						
Repayment Frequency <sup>12</sup>						
Repayment Instalment <sup>13,14</sup>						
Base Exchange Rate <sup>16</sup>						
Are foreign currency loan hedged?						
If above is yes, specify details <sup>17</sup>						
	Distribution of loa	n packages to var	rious projects			
Name of the Projects						Total
Project 1						
Project 2						
Project 3 and so on						

#### Note:

- 1. Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
- 2. Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.
- 3. Details are to be submitted as on 31.03.2014 for existing assets and as on COD for the remaining assets.
- 4. Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.
- 5. If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the same form.
- 6. Interest type means whether the interest is fixed or floating.
- 7. Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.
- 8. Margin means the points over and above the floating rate.
- 9. At times caps/floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
- 10. Moratorium period refers to the period during which loan servicing liability is not required.
- 11. Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
- 12. Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual, etc.
- 13. Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given separately
- 14. If the repayment installment amount and repayment date cannot be worked out from the data furnished above, the repayment schedule to be furnished separately.
- 15. In case of Foreign loan, date of each drawal & repayment along with exchange rate at that date may be given.
- 16. Base exchange rate means the exchange rate prevailing as on 31.03.2014 for existing assets and as on COD for the remaining assets.
- 17. In case of hedging, specify details like type of hedging, period of hedging, cost of hedging, etc.
- 18. At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately
- 19. At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

#### Statement of Additional Capitalisation after COD

Name of the Petitioner	
Name of the Generating Station	
COD	

Sr. No.	Head of Work/ Equip ment			Admitted (Rs Lak				additiona	Lakh)		neu (Ks	Regulation s under which claimed	Justification
		2014-15	2015-16	2016-17	2017-18	2018-19	2014-15	2015-16	2016-17	2017-18	2018-19		
1	2			3			4	5	6	7	8	9	10
1													
2													
3													
4													
5													

<sup>1.</sup> In case the project has been completed and any tariff notification(s) has already been issued in the past, fill column 3 giving the cost as admitted for the purpose of tariff notification already issued by (Name of the authority) (Enclose copy of the tariff Order)

#### Note:

- 1. Fill the form in chronological order year wise along with detailed justification clearly bringing out the necessity and the benefits accruing to the beneficiaries.
- 2. In case initial spares are purchased along with any equipment, then the cost of such spares should be indicated separately. e.g. Rotor 50 Crs. Initial spares 5 Crs.

### Statement of Additional Capitalisation during fag end of the Project

Name of the Petitioner	
Name of the Generating Station	
COD	

Sr. No.	Year	Work/Equipment added after 20 <sup>th</sup> year from COD	Actual Amount capitalised (Rs Lakh)	Justification for assets capitalised	Impact on life extension
1	2	3	4	5	6
1					
2					
3					
4					
5					

### Note:

• Cost Benefit analysis for capital additions done should be submitted along with petition for approval of such schemes

PART-IV
FORM- 9A

Name of the Petitioner	
Name of the Generating Station	

Statement of Capital cost
(To be given for relevant dates and year wise)

(Amount in Rs. Lakh)

	As on relevant date. <sup>1</sup>			
A a) Opening Gross Block Amount as per books				
b) Amount of capital liabilities in A(a) above				
c) Amount of IDC, FC, FERV & Hedging cost included in A(a) above				
d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above				
B a) Addition in Gross Block Amount during the period				
b) Amount of capital liabilities in B(a) above				
c) Amount of IDC, FC, FERV & Hedging cost included in B(a) above				
d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above				
C a) Closing Gross Block Amount as per books				
b) Amount of capital liabilities in C(a) above				
c) Amount of IDC, FC, FERV & Hedging cost included in C(a) above				
d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a) above				

#### Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date

PART-IV
FORM- 9B

Name of the Petitioner	
Name of the Generating Station	

### **Statement of Capital Woks in Progress**

(To be given for relevant dates and year wise)

(Amount in Rs. Lakh)

	As on relevant date.1
A a) Opening CWIP Amount as per books	
b) Amount of capital liabilities in a above	
c) Amount of IDC, FC, FERV & Hedging cost included in a above	
B a) Addition/Adjustment in CWIP Amount during the period	
b) Amount of capital liabilities in a above	
c) Amount of IDC, FC, FERV & Hedging cost included in a above	
C a) Capitalization/Transfer to Fixed asset of CWIP Amount during the period	1
b) Amount of capital liabilities in a above	
c) Amount of IDC, FC, FERV & Hedging cost included in a above	
D a) Closing CWIP Amount as per books	
b) Amount of capital liabilities in a above	
c) Amount of IDC, FC, FERV & Hedging cost included in a above	

#### Note:

1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date

	Financing of Additional Capitalisation
Name of the Petitioner	
Name of the Generating Station	
Date of Commercial Operation	

(Amount in Rs Lakh)

			Admitt	ted		Actual						
Financial Year (Starting from COD) 1	Year 1	Year 2	Year3	Year4	Year 5 & So on	Year 1	Year 2	Year3	Year4	Year 5 & So on		
1	2	3	4	5	6	7	8	9	10	11		
Amount capitalised in Work/Equipment												
Financing Details												
Loan-1												
Loan-2												
Loan-3 and so on												
Total Loan <sup>2</sup>												
Equity												
Internal Resources												
Others												
Total												

#### Note:

- 1 Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively.
- 2 Loan details for meeting the additional capitalisation requirement should be given as per FORM-7 or 8 whichever is relevant.

### **Calculation of Depreciation**

Name of the Petitioner	
Name of the Generating Station	
Č	(Amount in Rs Lakh)

Sl. no.	Name of the Assets¹	Gross Block as on 31.03.2014 or as on COD, whichever is later and subsequently for each year thereafter upto 31.3.19	Depreciation Rates as per CERC's Depreciation Rate Schedule	Depreciation Amount for each year up to 31.03.19
	1	2	3	4= Col.2 X Col.3
1	Land			
2	Building			
3	and so on			
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15	TOTAL			
	TOTAL			
	Weighted Average Rate of			
	Depreciation (%)			

#### Note:

1. Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification.

### **Statement of Depreciation**

Name of the Petitioner		
Name of the Generating Station		 

(Amount in Rs Lakh)

Financial	Upto 2007-	2008- 09	2009- 10	2010- 11	2011- 12	2012- 13	2013-1	4	2014-1	5	2015-1	16	2016-1	7	2017-1		2018-1	
Year (1)	2	3	4	5	6	7	8		9		10		11		12		13	
	Actual	Actual	Actual	Actual	Actual	Actual	As admitted by the Commissio n	Actua 1	As admitted by the Commissio n	Actua 1	As admitted by the Commissio n	Actua	As admitted by the Commissio n	Actua 1	As admitted by the Commissio n	Actua	As admitted by the Commissio n	Actua
Depreciation																		
on Capital																		
Cost																		
Depreciation on Additional Capitalisatio n Amount of Additional																		
Capitalisation																		
Depreciation Amount																		
Detail of FERV																		
Amount of																		
FERV on																		
which																		
depreciation																		

Financial	Upto 2007-	2008- 09	2009- 10	2010- 11	2011- 12	2012-	2013-1	4	2014-1	5	2015-1	16	2016-1	7	2017-1	.8	2018-1	19
Year (1)	2	3	4	5	6	7	8		9		10		11		12		13	
	Actual	Actual	Actual	Actual	Actual	Actual	As admitted by the Commissio n	Actua 1	As admitted by the Commissio n	Actua 1	As admitted by the Commissio n	Actua	As admitted by the Commissio n	Actua 1	As admitted by the Commissio n	Actua 1	As admitted by the Commissio n	Actua
charged																		
Depreciation amount																		
Depreciation recovered during the Year																		
Advance against Depreciation recovered during the Year																		
Depreciation & Advance against Depreciation recovered during the year																		
Cumulative Depreciation & Advance against Depreciation																		

Financial	Upto 2007- 08	2008- 09	2009- 10	2010- 11	2011- 12	2012- 13	2013-1	4	2014-1	5	2015-1	.6	2016-1	7	2017-1	.8	2018-1	.9
Year (1)	2	3	4	5	6	7	8		9		10		11		12		13	
	Actual	Actual	Actual	Actual	Actual	Actual	As admitted by the Commissio n	Actua 1	As admitted by the Commissio n	Actua								
recovered upto the year																		

 $1. \ \mbox{In case}$  of details of FERV and AAD, give information for the applicable period.

# Calculation of Weighted Average Rate of Interest on Actual Loans<sup>1</sup>

Name of the Petitioner	 
Name of the Generating Station	 

				(Amou	nt in Rs	. Lakh)
Particulars	Existing 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Loan-1						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-2						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Loan-3 and so on						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						
Rate of Interest on Loan on annual basis						
Interest on loan						
Total Loan						
Gross loan - Opening						
Cumulative repayments of Loans upto previous year						
Net loan - Opening						
Add: Drawal(s) during the Year						
Less: Repayment (s) of Loans during the year						
Net loan - Closing						
Average Net Loan						

Particulars	Existing 2008-09	2009-10	2010-11	2011-12	2012-13	2013-14
Interest on loan						
Weighted average Rate of Interest on Loans						

### Note:

1. In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in Original currency is also to be furnished separately in the same form.

	Calculation of Interest on Normative Loan
Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs Lakh)

	Existing 2013-14		2014-15		2015-1	6	2016-1	7	2017-1		2018-1	
Particulars	2	3		4		5		6		7		
(1)	As admitted	Actual	As admitted	Actual			As admitted	Actual		Actual		Actual
	by the		by the		by the		by the		by the		by the	
	Commission		Commission		Commission		Commission		Commission		Commission	
Gross Normative loan -												
Opening												
Cumulative repayment of												
Normative Loan upto												
previous year												
Net Normative loan -												
Opening												
Increase/Decrease due to												
ACE during the Year												
Repayments of												
Normative Loan during												
the year												
Net Normative loan -												
Closing												
Average Normative Loan												
Weighted average Rate of												
Interest of actual Loans												
Interest on Normative												
loan												

### PART-IV FORM- 13B

### **Calculation of Interest on Working Capital**

Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs Lakh)

S1. No. (1)	Particulars (2)	Existing 2	Existing 2013-14 2014-15 3 4		2015-16 2		2016-17		2017-18		2018-19		
		As admitted by the Commission		As admitted by the Commission	Actual	As admitted by the Commission		As admitted by the Commission	Actual	As admitted by the Commission	Actual	As admitted by the Commission	
1	Cost of Coal/Lignite <sup>1</sup>												
2	Cost of Main Secondary Fuel Oil <sup>1</sup>												
3	Fuel Cost <sup>2</sup>												
4	Liquid Fuel Stock <sup>2</sup>												
5	O & M Expenses												
6	Maintenance Spares												
7	Receivables												
	Total Working Capital												
	Rate of Interest												
	Interest on Working Capital												

#### Note:

- 1. For Coal based/Lignite based generating stations
- 2. For Gas Turbine/Combined Cycle generating stations duly taking into account the annual mode of operation (last available) on gas fuel and liquid fuel

## Other Income as on COD

Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs. Lakh)

C1		Existing 2013-14		2014-15		2015-1	6	2016-1	7	2017-1		2018-1	
Sl. No.	Parameters	As admitted by the Commission	Actual										
1	Interest on Loans and advance												
2	Interest received on deposits												
3	Income from Investment												
4	Income from sale of scrap												
5	Rebate for timely payment												
6	Surcharge on late payment from beneficiaries												
7	Rent from residential building												
8	Misc. receipts (Please specify details)												
	(add)												

## **Incidental Expenditure during Construction**

Name of the Petitioner	
Name of the Generating Station	

(Amount in Rs. Lakh)

C1		Existing 20	13-14	2014-1	5	2015-1	6	2016-1	7	2017-1	8	2018-19	
S1. No	Parameters	As admitted by the Commissio n	Actua 1										
A	Expenses:												
1	Employees' Benefits Expenses												
2	Finance Costs												
3	Water Charges												
4	Communication Expenses												
5	Power Charges												
6	Other Office and Administrative Expenses												
7	Others (Please Specify Details)												
8	Other pre- Operating Expenses												
•••													

В	Total Expenses						
	Less: Income from sale of tenders						
	Less: Income from guest house						
	Less: Income recovered from Contractors						
	Less: Interest on Deposits						

### Actual Draw Down Schedule for Calculation of IDC & Financing Charges

Name of the Petitioner	 	
Name of the Generating Station		

	Draw Down		Quarter 1			Quarter 2		Qı	aarter n (CO	D)
S1. No.	Particulars	Quantu m in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Rupee	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)
1	Loans									
1.1	Foreign Loans									
111	F • T 1									
1.1.1	Foreign Loan <sup>1</sup> Draw down									
	Amount									
	IDC									
	Financing									
	charges									
	Foreign Exchange Rate Variation Hedging Cost									
	Treaging cost									
1.1.2	Foreign Loan <sup>2</sup> Draw down									
	Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
1.1.3	Foreign Loan <sup>3</sup>									
1.1.5	Draw down Amount									
	IDC									
	Financing charges									
	Foreign Exchange Rate Variation									
	Hedging Cost									
114										-
1.1.4							1			<del>                                     </del>
										$\vdash$
L	1	I	l	1	l	l	I	l	I	

	Draw Down		Quarter 1			Quarter 2		Quarter n (COD)			
SI. No.	Particulars	m in Foreign	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	
1.1	Total Foreign Loans										
	Draw down										
	Amount										
	IDC										
	Financing										
	charges										
	Foreign										
	Exchange Rate Variation										
	Hedging Cost										
1.0	т 1' т										
1.2	Indian Loans										
1 2 1	Indian Loan <sup>1</sup>										
1.2.1	Draw down										
	Amount										
	IDC							 	 		
	Financing		 								
	charges										
1 2 2	Indian Loan <sup>2</sup>										
1.2.2	Draw down										
	Amount										
	IDC										
	Financing										
	charges										
1.2.3	Indian Loan <sup>3</sup>										
1.2.3	Draw down										
	Amount										
	IDC										
	Financing										
	charges										
101											
1.2.4											
-			 			 					
1.2	Total Indian Loans										
	Draw down Amount										
	IDC		 								
	Financing charges										
	charges										
			1	<u> </u>	<u> </u>	1			1		

	Draw Down		Quarter 1		Quarter 2			Quarter n (COD)		
S1. No.	Particulars	m in Foreign	Rate on	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee (Rs Lakh)
1	Total of Loans drawn									
	IDC									
	Financing charges									
	Foreign									
	Exchange Rate Variation									
	Hedging Cost									
2	Equity									
2.1	Foreign equity drawn									
2.2	Indian equity drawn									
	Total equity deployed									

#### Note:

- 1. Drawal of debt and equity shall be on paripassu basis quarter wise to meet the commissioning schedule. Drawal of higher equity in the beginning is permissible
- 2. Applicable interest rates including reset dates used for above computation may be furnished separately
- 3. In case of multi unit project details of capitalisation ratio used to be furnished.

### PART-IV FORM- 14A

	Actual cash	expenditure	
Name of the Petitioner			
Name of the Generating Station	_		

(Amount in Rs. Lakh)

	Quarter-I	Quarter-II	Quarter-III	Quarter-n (COD)
Payment to contractors/suppliers				
% of fund deployment				

Note: If there is variation between payment and fund deployment justification need to be furnished

P	Δ	R٦	Γ_1	W
	<b></b>	1.		LV

### **FORM-15**

### **Performance Parameters**

Name of the Petitioner	
Name of the Generating Station	

Sl. No.	Parameters		Unit	Year 1	Year 2	Year 3	Year 4	Year 5
1	Station Heat Rate	Approved						
		Actual						
2	Secondary Fuel Oil Consumption	Approved						
		Actual						
3	Auxiliary Energy Consumption	Approved						
		Actual						