

**THE PETROLEUM AND NATURAL GAS REGULATORY BOARD**  
**NOTIFICATION**

New Delhi, the \_\_October, 2020

**F.No. PNGRB/COM/2-NGPL/Tariff (3)/2014 Vol-IV(Part-1) (P-1439):** In exercise of the powers conferred by clause (e) of sub-section (2) of section 61 read with clause (e) of section 11 of the Petroleum and Natural Gas Regulatory Board Act, 2006 (19 of 2006), the Petroleum and Natural Gas Regulatory Board hereby makes the following regulations, namely: —

**1. Short title and commencement:**

- (1) These regulations may be called Petroleum and Natural Gas Regulatory Board (Determination of Natural Gas Pipeline Tariff) Second Amendment Regulations, 2020.
- (2) They shall come into force on such day as the Board may, by notification in the Official Gazette, appoint.

**2. In the Petroleum and Natural Gas Regulatory Board (Determination of Natural Gas Pipeline Tariff) Regulations, 2008, —**

a) in regulation 2, in sub-regulation (1),

(i) after clause (b), the following shall be inserted, namely: —

“(ba) “approved tariff” means the natural gas pipeline tariff determined under regulation 4 of these Regulations or tariff as per regulation 11 of Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008;”

(ii) after clause (e), the following shall be inserted, namely: —

“(ea) “invoicing entity” means the entity laying, building, operating or expanding natural gas pipeline which is part of national gas grid system where natural gas is evacuated by the shipper at unified exit point and shall raise invoice and collect payment from the shipper based on unified tariff for transportation of natural gas on unified contractual path.

(eb) “MMBTU” means million British Thermal Units on gross calorific value (“GCV”) basis;

(ec) “national gas grid system” means network of all such natural gas pipelines (including those which are partly commissioned) within India which are fully interconnected with each other as, enlisted in Schedule C. Board may, by order, amend the schedule from time to time.”

(iii) Explanation to clause (i), shall be deleted;

(iv) following clauses shall be inserted after clause (i), namely: —

“(j) “tariff zones for unified tariff” shall mean:

- i) “first tariff zone for unified tariff” of a length of three hundred kilometers from the unified entry point on either side of the national gas grid system; or:
- ii) “second tariff zone for unified tariff” being the remaining length of the national gas grid system on either side of first tariff zone for unified tariff.

Provided that length of spur line shall not be counted for the purpose of determining tariff zones for unified tariff.

- (k) “unified tariff” means unit natural gas pipeline tariff, in respect of the national gas grid system determined in accordance with regulation 5A of these regulations, for transportation of natural gas (excluding statutory taxes and levies) denominated in rupees per MMBTU;
- (l) “unified contractual path” shall mean the route on the national gas grid system between the unified entry point and the unified exit point for a shipper;
- (m) “unified entry point” shall mean the point on the national gas grid system where a shipper injects natural gas;
- (n) “unified exit point” shall mean the point on the national gas grid system from where a shipper evacuates natural gas.”
- (b) in regulation 3, after clause (3), the following clause shall be inserted, namely: —
- “(4) authorized by the Board pursuant to a policy directive issued by the Central Government under sub-section (2) of section 42 of the Act.
- (5) Authorised by the Board under regulation 9 and tariff under regulation 11 of Petroleum and Natural Gas Regulatory Board (Authorizing Entities to Lay, Build, Operate or Expand Natural Gas Pipelines) Regulations, 2008 for the limited applicability of unified tariff in accordance with regulation 5A.”

(c) after regulation 5, the following shall be inserted, namely: —

**“5A.Procedure for Determination of Unified Tariff and matters incidental thereto:**

(1)Notwithstanding anything contained in these regulations or elsewhere, invoicing entity shall charge the unified tariff for unified contractual path instead of the approved tariff from the shipper and the shipper shall be liable to pay the unified tariff to such invoicing entity;

Provided further that the quantity of gas used for invoicing shall be the quantity of gas delivered to the shipper by the transporter at unified exit point and the ship or pay quantity.

Provided further that, entity laying, building, operating or expanding natural gas pipeline other than the one which is part of national gas grid system shall continue to charge the approved tariff from the shipper and the shipper shall continue to pay the approved tariff to such entity.

(2)Revenue entitlement under unified tariff system of the entities laying, building, operating or expanding natural gas pipelines which are part of the national gas grid system shall be the revenue with reference to approved tariff for such natural gas pipelines i.e. entities shall remain revenue neutral. Procedure for determination of unified tariff shall be as provided in Part A of Schedule B.

(3)Based on the experience and suggestions received from the stakeholders during the initial period of six months from the date on which this amendment comes into force, if any, the Board may suitably modify the provisions of these regulations, as may be required.”

(d) after Schedule A, the following shall be inserted, namely: —

**“Schedule B**

**[see regulations 5A]**

**Part A. Procedure for Determination of Unified Tariff**

1. Unified tariff shall be determined and approved by the Board in respect of the national gas grid system for each calendar fortnight. “Fortnight” for the purpose of these regulations shall mean a period commencing on the first day of a month and ending on fifteenth day of such month or a period commencing from sixteenth day of the month and ending on the last day of such month.
2. Unified tariff is the weighted average of approved zonal tariffs in respect of the pipelines forming part of the national gas grid system, considering the quantity of gas transported and the quantity of ship or pay, for which the pipeline entity is contractually entitled to recover approved tariff for each such pipeline.
3. Each pipeline entity shall provide to the Board fortnightly information of zonal tariff of each such natural gas pipeline which are part of the national gas grid system, on actual volume, quantity of gas transported and the quantity of ship or pay (expressed in terms of standard cubic meters (scm) and MMBTU, and the calorific value of such gas). Such information shall be electronically uploaded by the entity for every fortnight on the platform provided by the Board and also sent in the specified formats within two days from end of each fortnight to the email addresses designated by the Board. The Board may at any time seek any additional information as it may require. In case of non-submission of any such information by any entity within the time specified above, the Board may consider the information as per its best judgement for the purpose of determination of unified tariff.
4. Unified Tariff shall be calculated as under:

Approved zonal tariff for each natural gas pipeline which is a part of the national gas grid system shall be multiplied with the actual tariff zone wise quantity of natural gas transported through that pipeline during the fortnight and the tariff zone wise quantity of ship or pay as per para 3 above, for which unified tariff is being determined. Each such product of multiplication shall be summed up and the sum so obtained shall be divided by the total quantity of gas transported during that fortnight and the quantity of ship or pay as per para 3 above. This however will be after considering the quantities of gas transported and quantities of ship or pay through multiple pipelines only once (i.e. by avoiding the double or multiple counting).

5. Unified tariff applicable for a fortnight shall be web-hosted by the Board on its website within five days from the end of the previous fortnight.
6. In terms of a formula, unified tariff would be worked out as follows:

<b>UFT</b>	=	$\{(((AT_1*EEV_1)+ (AT_2*EEV_2) + (AT_3*EEV_3).....+ (AT_n*EEV_n)) / ((EEV_1+EEV_2+EEV_3.....+EEV_n) - EDV_n)\}$
Where:		
UFT	=	Unified Tariff for a fortnight
AT <sub>1</sub> .....AT <sub>n</sub>	=	Approved Tariff in respect of pipelines 1 to n for the fortnight for which Unified Tariff is being determined
EEV <sub>1</sub> ...EEV <sub>n</sub>	=	Actual quantities of natural gas transported during the fortnight by pipeline 1 to n and the quantity of ship or pay as specified in para 3 (expressed in MMBTU)
EDV <sub>n</sub>	=	Actual quantities of natural gas transported and the quantity of ship or pay (expressed in MMBTU) through more than one pipelines during the previous fortnight
*	:	Denotes multiplication sign
/	:	Denotes division sign

**Notes:**

(i) The Approved Tariff for pipeline 1 to n, as referred above, denotes the Approved Tariff for each tariff zone for pipeline 1 to n. Similarly, the actual quantities of natural gas transported by pipeline 1 to n, as referred to above,

denotes the actual gas transported and the quantity of ship or pay in each of such tariff zones.

(ii) The above formula works out the levelised unified tariff. Unified tariff for the two unified tariff zones shall be determined by the Board in a manner that the tariff for first tariff zone for unified tariff shall be ...% [stakeholders views are invited on this percentage] of the tariff for second tariff zone for unified tariff.

(iii) In these regulations the volume of gas refers to gas in standard cubic meter and the quantity of gas refers to gas in MMBTU on GCV basis.

7. The workings of levelised unified tariff and the zonal unified tariffs are shown with the help of a numerical example in Attachment 2 to this schedule B.

### **Part B. Settlement**

Revenue entitlement of natural gas pipelines, adjustment of differences in revenue entitlement based on approved tariff and unified tariff collected by entities.

**1. Revenue entitlement of natural gas pipelines:** Revenue entitlement for a fortnight of an entity laying, building, operating or expanding a natural gas pipeline which are part of national gas grid system shall be equal to the sum of pipeline wise transportation charges calculated based on actual quantity of gas transported for which the entity is entitled to recover approved zonal tariff from the shipper, including ship or pay quantities, in respective tariff zones of each such pipeline, multiplied by the respective approved zonal tariff for the fortnight.

2. **Amount charged by invoicing entity:** Amount charged by the invoicing entity in respect of natural gas pipelines which are part of national gas grid system shall be equal to the sum of amounts charged calculated based on actual quantities of gas evacuated from respective pipelines including ship or pay quantities and approved unified zonal tariff from the shipper, in respective unified tariff zones of each such pipeline, multiplied by the respective approved unified zonal tariff for the fortnight.
3. In terms of a formula, entity-wise revenue entitlement and revenue charged by way of unified tariff shall be worked out as detailed below:

<b>i) RE</b>	=	<b>(EEV<sub>1</sub>*AT<sub>1</sub> + EEV<sub>2</sub>*AT<sub>2</sub> + ..... + EEV<sub>n</sub>*AT<sub>n</sub>)</b>
Where:		
RE	=	Revenue entitlement of the entity as per the approved tariff
EEV <sub>1</sub> .....EEV <sub>n</sub>	=	Actual quantities of natural gas transported and the quantity of ship or pay during the fortnight by pipeline 1 to n, as specified in Para 3 of Part A of this schedule
AT <sub>1</sub> .....AT <sub>n</sub>	=	Approved Tariff in respect of pipelines 1 to n for the fortnight for which unified tariff is being determined
<b>ii) RU</b>	=	<b>∑AV<sub>n</sub> * UFT</b>
Where:		
RU	=	Revenue charged by the entity for its pipeline which are part of the national gas grid system based on unified tariff.
AV <sub>1</sub> .....AV <sub>n</sub>	=	Actual quantities transported and the quantity of ship or pay during the fortnight based on the unified entry and unified exit points falling on the unified contractual path irrespective of number of natural gas pipelines falling on contractual path
UFT	=	unified tariff determined for the respective fortnight
*	:	Denotes multiplication sign

**Notes:**

- (i) The Approved Tariff for pipeline 1 to n, as referred above, denotes the Approved Tariff for each tariff zone for pipeline 1 to n. Similarly, the actual

quantities of natural gas transported and the quantity of ship or pay by pipeline 1 to n, as referred to above, denotes the actual gas transported and the quantity of ship or pay in each of such zones.

4. The workings of revenue entitlement and amount charged are shown with the help of a numerical example in Attachment 2 to this schedule B.
5. Settlement of difference in the revenue entitlement and amount charged between various entities shall be carried out by such entities.
6. The Board may issue such further instructions and guidelines as it may deem fit including, without limiting, on fortnightly submission of information by the entities, working of revenue entitlement and amount charged and inter-se settlement between the entities.
7. In case any dispute arises among the entities, such entities may approach the Board and Board's decision in this regard shall be final.

**Attachment 1 to Schedule B**

**Format 1**

**Format for submission of actual fortnight-wise and pipeline-wise data**

Name of the Pipeline: .....

Period i.e. the Fortnight starting from ----- and ending on -----

Zone	Approved Tariff (a)	Actual volume of gas transported (b)	Gross Calorific Value (c)	Actual quantity of gas transported (d)	Ship or pay volumes (e)	Total Actual Volumes (f)=(d) +(e)	Transportation tariff (g)=(f)*(a)
	(INR/MMBTU)	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)	(MMBTU)	INR
Zone-1							
Zone-2							
Zone-3							
Zone-n							

Zone	Unified Zonal Tariff (a)	Actual volume of gas transported (b)	Gross Calorific Value (c)	Actual quantity of gas transported (d)	Ship or pay volumes (e)	Total Actual Volumes (f)=(d) +(e)	Transportation tariff (g)=(f)*(a)
	(INR/MMBTU)	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)	(MMBTU)	INR
Zone 1							
Zone 2							

**Format 2**

**Format for submission of Gross Volumes Received from Upstream Pipelines Based on the Contractual Path Tariff (\*Refer Note)**

Name of the Pipeline: .....

Period i.e. the Fortnight starting from ----- and ending on -----

From Up-stream Pipeline				
Up-stream Pipeline (a)	Actual volume of gas transported (SCM) (b)	Gross Calorific Value (Kcal/SCM) (c)	Actual quantity of gas transported (MMBTU) (d)	Quantity of ship or pay (MMBTU) (e)
Pipeline 1				
Pipeline 2				

**Note:** Respective entities owning Upstream and Downstream pipelines shall provide the information after reconciling natural gas volumes (in SCM) and quantities in MMBTU for respective pipelines with other pipeline entities, if any, within the specified timelines.

**Format 2A**

**Format for submission of Gross Volumes delivered to Downstream Pipelines Based on the Contractual Path Tariff (Refer Note)**

Name of the Pipeline: .....

Period i.e. the Fortnight starting from ----- and ending on -----

<b>To Down-stream Pipeline</b>				
<b>Down-stream Pipeline (a)</b>	<b>Actual volume of gas transported (SCM) (b)</b>	<b>Gross Calorific Value (Kcal/SCM) (c)</b>	<b>Actual quantity of gas transported (MMBTU) (d)</b>	<b>Quantity of ship or pay (MMBTU) (e)</b>
<b>Pipeline 1</b>				
<b>Pipeline 2</b>				

**Note:** Respective entities owning Upstream and Downstream pipelines shall provide the information after reconciling natural gas volumes (in SCM) and quantities in MMBTU for respective pipelines with other pipeline entities, if any, within the specified timelines.

**Format 3**

Actual gas volumes transported to end consumers from the Unified Entry Point to Unified Exit Point and the ship or pay volumes for the calculation of zonal unified tariff

Name of the Pipeline: .....

Period i.e. the Fortnight starting from ----- and ending on -----

<b>Unified Tariff Zone*</b>	<b>Actual Volumes (MMSCM)</b>	<b>Gross Calorific Value (Kcal/SCM)</b>	<b>Actual Volumes (MMBTU)</b>	<b>Ship or pay Volumes (MMBTU)</b>
Zone 1				
Zone 2				

**\*Refer definition of tariff zones i.e. “tariff zones” for Unified Tariff**

**Attachment 2 to Schedule B**

**Example of calculation of Unified Tariff, Revenue Entitlement, Amount Charged and Settlement of differences within entities**

Data to be submitted in format 1.

**Table 1**

		Approved Tariff (a)	Actual volume of gas transported (b)	Gross Calorific Value (c)	Actual quantity of gas transported (d)	Ship or pay volumes (e)	Total Actual Volumes (f)=(d) +(e)	Transportation tariff (g)=(f)*(a)
Pipelines	Zones	(INR/ MMBTU)	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)	(MMBTU)	INR
Pipeline A	Zone-1	10.00	30,000	9,500.00	1,130.95	200.00	1,330.95	13,309.52
	Zone-2	20.00	40,000	9,400.00	1,492.06		1,492.06	29,841.27
	Zone-3	30.00	50,000	9,300.00	1,845.24		1,845.24	55,357.14
	Zone-4	40.00	80,000	9,600.00	3,047.62	100.00	3,147.62	1,25,904.76
	<b>Total</b>			<b>2,00,000</b>		<b>7,515.87</b>	<b>300.00</b>	<b>7,815.87</b>
Pipeline B	Zone-1	10.00	45,000	9,300.00	1,660.71		1,660.71	16,607.14
	Zone-2	11.00	42,000	9,400.00	1,566.67		1,566.67	17,233.33
	Zone-3	12.00	38,000	9,500.00	1,432.54	150.00	1,582.54	18,990.48
	<b>Total</b>			<b>1,25,000</b>		<b>4,659.92</b>	<b>150.00</b>	<b>4,809.92</b>
Pipeline C	Zone-1	30.00	58,000	9,546.00	2,197.10		2,197.10	65,912.86
	Zone-2	40.00	34,000	9,645.00	1,301.31		1,301.31	52,052.38
	Zone-3	45.00	30,000	9,852.00	1,172.86	350.00	1,522.86	68,528.57
	Zone-4	50.00	68,000	9,900.00	2,671.43		2,671.43	1,33,571.43
	Zone-5	55.00	85,000	9,500.00	3,204.37	150.00	3,354.37	1,84,490.08
	<b>Total</b>			<b>2,75,000</b>		<b>10,547.06</b>	<b>500.00</b>	<b>11,047.06</b>

Data to be submitted in format 2

Data for Inter-pipeline volume flow

**Table 2**

Data by Pipeline A

From Up-stream P/L				
Up-stream P/L	Actual Volumes	Gross Calorific Value	Actual Volumes	Ship or pay Volumes
	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)
Pipeline C	1,825.00	9,500.00	68.80	0.50

To Down Stream P/L				
Down-stream P/L	Actual Volumes	Gross Calorific Value	Actual Volumes	Ship or pay Volumes
	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)
Pipeline B	549.00	9,500.00	20.70	

Data by Pipeline B

From Up-stream P/L				
Up-stream P/L	Actual Volumes	Gross Calorific Value	Actual Volumes	Ship or pay Volumes
	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)
Pipeline A	549.00	9,500.00	20.70	
Pipeline C	4,392.00	9,500.00	165.57	

To Down Stream P/L				
Down-stream P/L	Actual Volumes	Gross Calorific Value	Actual Volumes	Ship or pay Volumes
	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)
NIL				

Data by Pipeline C

From Up-stream P/L				
Up-stream P/L	Actual Volumes	Gross Calorific Value	Actual Volumes	Ship or pay Volumes
	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)
Nil				

To Down Stream P/L				
Down-stream P/L	Actual Volumes	Gross Calorific Value	Actual Volumes	Ship or pay Volumes
	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)
Pipeline A	1,825.00	9,500.00	68.80	0.50
Pipeline B	4,392.00	9,500.00	165.57	

Summary of the duplicate volume flows

Pipeline From	Pipeline to	Actual Volumes (SCM)	Gross Calorific Value (Kcal/SCM)	Actual Volumes (MMBTU)	Ship or pay Volumes (MMBTU)
Pipeline A	Pipeline C	1,825.00	9,500.00	68.80	0.50
Pipeline A	Pipeline B	549.00	9,500.00	20.70	0.00
Pipeline C	Pipeline B	4,392.00	9,500.00	165.57	0.00
<b>Total</b>		<b>6,766.00</b>		<b>255.07</b>	<b>0.50</b>

Data to be submitted in format 3

Data for Unified Zonal volume flows to be provided by Entities

Data provided by Pipeline A

Table 3

Unified Tariff Zone*	Actual Volumes (SCM)	Gross Calorific Value (Kcal/SCM)	Actual Volumes (MMBTU)	Ship or pay Volumes (MMBTU)
Zone 1	30,000.00	9,500.00	1,130.95	200.00
Zone 2	1,67,626.00	9,464.21	6,295.42	99.50

Data provided by Pipeline B

Unified Tariff Zone*	Actual Volumes (SCM)	Gross Calorific Value (Kcal/SCM)	Actual Volumes (MMBTU)	Ship or pay Volumes (MMBTU)
Zone 1	45,000.00	9,300.00	1,660.71	-
Zone 2	80,000.00	9,447.50	2,999.21	150.00

Data provided by Pipeline C

Unified Tariff Zone*	Actual Volumes (SCM)	Gross Calorific Value (Kcal/SCM)	Actual Volumes (MMBTU)	Ship or pay Volumes (MMBTU)
Zone 1	53,608.00	9,549.77	2,031.52	
Zone 2	2,17,000.00	9,696.73	8,349.96	500.00

Consolidated Volumes

Unified Tariff Zone*	Actual Volumes (SCM)	Gross Calorific Value (Kcal/SCM)	Actual Volumes (MMBTU)	Ship or pay Volumes (MMBTU)
Zone 1	1,28,608.00	9,450.77	4,823.19	200.00
Zone 2	4,64,626.00	9,569.93	17,644.59	749.50

**Table 4**

**Calculation of Unified Tariff**

Pipelines	Revenue Entitlement	Quantity for Revenue Entitlement	Duplicate Volumes	UFT
	INR	in MMBTU	in MMBTU	Rs./ MMBTU
	(a)	(b)	(c)	a/(b-c)
Pipeline A	2,24,412.70	7,815.87	255.57	33.39
Pipeline B	5,04,555.32	11,047.06		
Pipeline C	52,830.95	4,809.92		
<b>Total Revenue</b>	<b>7,81,798.97</b>	<b>23,672.85</b>		

**Calculation of amount charged by entities way of charging unified tariff**

**Table 5**

**Amount charged by Pipeline A**

Zone	Unified Zonal Tariff	Actual volume of gas transported	Gross Calorific Value	Actual quantity of gas transported	Ship or pay volumes	Total Actual Volumes	Transportation tariff
	(a)	(b)	(c)	(d)	(e)	(f)=(d)+(e)	(g)=(f)*(a)
	(INR/MMBTU)	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)	(MMBTU)	INR
Zone 1	X	30,000.00	3,769.84	1,130.95	200.00	1,330.95	
Zone 2	Y	1,67,626.00	3,755.64	6,295.42	99.50	6,394.92	
<b>Total</b>				<b>7,426.38</b>	<b>299.50</b>	<b>7,725.88</b>	

**Amount charged by Pipeline B**

Zone	Unified Zonal Tariff	Actual volume of gas transported	Gross Calorific Value	Actual quantity of gas transported	Ship or pay volumes	Total Actual Volumes	Transportation tariff
	(a)	(b)	(c)	(d)	(e)	(f)=(d)+(e)	(g)=(f)*(a)
	(INR/MMBTU)	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)	(MMBTU)	INR
Zone 1	X	45,000.00	3,690.48	1,660.71	-	1,660.71	
Zone 2	Y	80,000.00	3,749.01	2,999.21	150.00	3,149.21	
<b>Total</b>				<b>4,659.92</b>	<b>150.00</b>	<b>4,809.92</b>	

**Amount charged by Pipeline C**

Zone	Unified Zonal Tariff	Actual volume of gas transported	Gross Calorific Value	Actual quantity of gas transported	Ship or pay volumes	Total Actual Volumes	Transportation tariff
	(a)	(b)	(c)	(d)	(e)	(f)=(d)+(e)	(g)=(f)*(a)
	(INR/MMBTU)	(SCM)	(Kcal/SCM)	(MMBTU)	(MMBTU)	(MMBTU)	INR
Zone 1	X	53,608.00	3,789.59	2,031.52	-	2,031.52	
Zone 2	Y	2,17,000.00	3,847.91	8,349.96	500.00	8,849.96	
<b>Total</b>				<b>10,381.48</b>	<b>500.00</b>	<b>10,881.48</b>	

**Statement of settlement of differences among entities**

**Table 6**

Pipelines	Revenue Entitlement	Amount Charged (from table 5)	Amount to be Paid/ (Received)
	(a)	(b)	(b-a)
Pipeline A	2,24,412.70		
Pipeline B	52,830.95		
Pipeline C	5,04,555.32		
<b>Total</b>	<b>7,81,798.97</b>	<b>7,81,798.97</b>	<b>0.00</b>

## Schedule C

### List of natural gas pipelines which are part of national gas grid system for calculation of Unified Tariff

S.No.	Entity Authorized	Pipeline Name
1	GAIL (India) Limited	Hazira-Vijaipur-Jagdishpur-GREP-Dahej-Vijaipur, Dahej-Uran-Dabhol-Panvel Natural Gas Pipeline, Dahej-Vijaipur (DVPL)-Vijaipur-Dadri (GREP) capacity augmentation, Jagdishpur-Haldia-Bokaro-Dhamra Natural Gas Pipeline network, Dadri-Bawana-Nangal Natural Gas Pipeline, Chainsa-Jhajjar-Hissar Natural Gas Pipeline, Dabhol-Bangalore Natural Gas Pipeline.
2	Indian Oil Corporation Limited	Dadri-Panipat
3	Pipeline Infrastructure Limited	East West Natural Gas Pipeline
4	Gujarat State Petronet Limited	GSPL's High Pressure Gujarat Gas Grid
5	Reliance Gas Pipelines Limited	Shahdol-Phulpur
6	GSPL India Gasnet Limited	Mehsana – Bhatinda, Bhatinda - Jammu - Srinagar
7	GSPL India Transco Limited	Mallavaram-Bhopal-Bhilwara-Vijaipur

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**Vandana Sharma**  
**Secretary**

**Foot-note:** Principal regulation was published in the Gazette of India (Extraordinary) vide No. G.S.R. 807(E), dated the 20<sup>th</sup> November, 2008 and amended *vide* G.S.R. 986(E), dated 20<sup>th</sup> December, 2010, F.No. PNGRB/M(C)/11/Final Tariff Filing, dated 30<sup>th</sup> May, 2012, PS/Secy./M(C)/2012, dated 13<sup>th</sup> September, 2012, F.No. PNGRB/M(C)/48, dated 17<sup>th</sup> February, 2014, F.No. PNGRB/M(C)/100, dated 27<sup>th</sup> February, 2014, F.No. L-MISC/VI/20017, dated 01<sup>st</sup> January, 2015, PNGRB/M(C)/110, dated 08<sup>th</sup> January, 2016, F.No. PNGRB/COM/2-NGPL Tariff (3)/2019, dated 27<sup>th</sup> May, 2019 and F.No. PNGRB/COM/2-NGPL/Tariff (3)/2019 Vol-II, dated 27<sup>th</sup> March, 2020.