
FORMULATING PRICING METHODOLOGY FOR INTER-STATE TRANSMISSION IN INDIA

ENCLOSURE TO THE EXPLANATORY MEMORANDUM TO THE REGULATIONS: NODAL AND ZONAL RESULTS



CENTRAL ELECTRICITY REGULATORY COMMISSION

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I ZONAL TARIFFS COMPUTED USING HYBRID METHOD

The Zonal Annual Tariffs have been computed in the following manner:

- (1) Using the methodology as explained in the Attachment-I to the regulations, the transmission charges for various nodes for different network conditions (peak and other than peak for various seasons) were computed. Winter Season was considered from – November to February, Summer Season from – March to June and Monsoon Season from – July to October. Eight hours per day were considered as peak hours and sixteen hours per day as 'other than peak' hours. These nodal transmission charges have been given in Table X.1 to Table X.24.
- (2) The nodal charges so arrived are required to be converted into zonal charges for different network conditions as these would be the basis for billing the payable transmission charges. The nodes were combined into zones, as per the mechanism detailed in Attachment-I to the regulations , for each network condition.
- (3) For the sake of appreciation of the results of the methodology, the zonal charges for various network conditions have been converted into zonal annual charges. The MWs injected / withdrawn in each zone were weighted with the hours assigned to each network condition and the weighted average MWs to be charged were computed for the entire year. The total charge (in Rs Lakh) for each network condition were added up for determining the total recovery from each zone in the entire year. This was divided by the weighted average MWs previously computed to determine in transmission charge in Rs Lakh / MW.

All charges indicated in Rs Lakh / MW in the tables A.1 to A.4 are annual charges.

1. TABLE A.1: HYBRID METHOD– NEW GRID GENERATION ZONAL CHARGES

Zones	Total (RsLakh/MW/ Annum))	Paise/kW/Hr
Bhutan	12.56	14.34
Bihar	13.06	14.91
CHTIS-KORBA	10.15	11.59
CHTIS - Other	12.97	14.81
GUJARAT and Rajasthan South	4.25	4.85
HP-Chamera Area	10.77	12.30
HP-Dehar Area	4.89	5.58
HP-Natpha Jhakri Area	13.87	15.83
J&K	6.88	7.85
Jharkhand	15.51	17.70
Maharashtra	2.90	3.32
MP	9.45	10.79
NER	8.25	9.42
Orissa	4.85	5.54
Sikkim	17.75	20.27
UK	5.92	6.76

Zones	Total (RsLakh/MW/ Annum))	Paise/kW/Hr
UP-E&C	8.71	9.95
UP-W, Haryana, Punjab, Rajasthan- North & Delhi	2.98	3.40
WB	8.72	9.95

2. TABLE A.2: HYBRID METHOD – SR GRID GENERATION ZONAL CHARGES

Zones	Rs Lakh/MW/ Annum	Paise/kW/Hr
AP E&C	7.93	9.05
AP - OTHER	2.80	3.20
KAR-KTB ¹ⁱ	7.27	8.30
KAR - OTHER	4.40	5.03
TN - N	3.79	4.32
TN -S	10.84	12.38
Kerala ²	7.32	8.35

3. TABLE A.3: HYBRID METHOD – NEW GRID DEMAND ZONAL CHARGES

Zone	Rs Lakh/MW / Annum	paise/kW/Hr
Bihar	8.84	10.09
Chattisgarh	4.39	5.01
Delhi	10.20	11.65
Goa	8.37	9.56
Gujarat	6.98	7.97
Haryana	11.80	13.47
HP	8.13	9.28
JandK	13.75	15.70
Jharkhand	7.69	8.77
Maha	6.75	7.71

¹ The area is around Kaiga, Torangalu and Bellary regions of Karnataka

² There are no 400 KV GSS in Kerala. Based on the network configuration the charge has been considered as an average of TN- North and TN-South

Zone	Rs Lakh/MW / Annum	paise/kW/Hr
MP	11.55	13.19
NER	12.85	14.67
Orissa	3.78	4.32
Punjab	16.81	19.19
Rajasthan	9.65	11.02
UK	7.39	8.43
UP	7.43	8.49
West Bengal and Sikkim	3.24	3.69

4. TABLE A.4: HYBRID METHOD – SR GRID DEMAND ZONAL CHARGES

Zones	RsLakh/MW / Annum	Paise/kw/Hr
Andhra Pradesh	8.54	9.75
Karnataka	8.23	9.40
Kerala	15.78	18.02
Tamil Nadu	13.15	15.01

II LOSSES

The nodal losses for various network conditions were computed using the methodology as explained in Attachment-I to the regulations. For the sake of appreciation of the results of this methodology, these nodal results have been converted into zonal annual losses in the similar manner as explained for transmission charges in the beginning of this document. However, the losses would be borne by the users on the basis of zonal losses for various network conditions.

1. TABLE A.5: HYBRID METHOD – NEW GRID GENERATION LOSSES (AS % OF ENERGY)

Zones	Scaled up Losses (% of Energy)
Bhutan	2.27%
Bihar	3.71%
CHTIS - KORBA	3.76%
CHTIS - Other	3.73%
GUJARAT and Rajasthan South	0.42%
HP-Chamera Area	0.91%
HP-Dehar Area	0.37%

Zones	Scaled up Losses (% of Energy)
HP-Natpha Jhakri Area	1.37%
J&K	0.55%
Jharkhand	3.87%
Maharashtra	0.84%
MP	3.43%
NER	2.84%
Orissa	0.52%
Sikkim	3.10%
UK	0.37%
UP-E&C	3.47%
UP-W, Haryana, Punjab, Rajasthan- North & Delhi	0.39%
WB	1.20%

2. TABLE A.6: HYBRID METHOD – NEW GRID DEMAND LOSSES (AS % OF ENERGY)

Zone	Scaled up Losses (as % of energy)
Bhutan	0.28%
Bihar	1.68%
Chattisgarh	1.56%
Delhi	4.11%
Goa	1.03%
Guj	1.60%
Haryana	3.71%
HP	1.16%
JandK	2.62%
Jharkhand	1.34%
Maha	2.00%
MP	3.53%
NER	2.72%
Orissa	0.63%
Punjab	4.15%
Rajasthan	3.12%
UK	5.47%

Zone	Scaled up Losses (as % of energy)
UP	3.19%
West Bengal and Sikkim	0.46%

3. TABLE A.7: HYBRID METHOD – SR GRID GENERATION LOSSES (AS % OF ENERGY)

Zones	Scaled up Losses (% of Energy)
AP E&C	1.49%
AP - OTHER	0.79%
KAR-KTB ³	1.47%
KAR - OTHER	1.03%
TN - N	0.74%
TN -S	0.69%
Kerala ⁴	0.72%

4. TABLE A.8: HYBRID METHOD – SR GRID DEMAND LOSSES (AS % OF ENERGY)

Zones	RsLakh/Mw
Andhra Pradesh	2.04%
Karnataka	1.33%
Kerala	6.81%
Tamil Nadu	5.30%

³ The area is around Kaiga, Torangalu and Bellary regions of Karnataka

⁴ There are no 400 KV GSS in Kerala. Based on the network configuration the losses have been considered as an average of TN- North and TN-South

III NODAL RESULTS

1. TABLE X.1: HYBRID METHOD, NEW GRID GENERATION NODAL CHARGES - SUMMER PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
11401CHAMER-2	24.50	40.07	1.64
11401CHAMER-2	24.50	40.07	1.64
11401CHAMER-2	24.50	40.07	1.64
11411CHAMER-1	24.50	32.08	1.31
11411CHAMER-1	24.50	32.08	1.31
11411CHAMER-1	24.50	32.08	1.31
11414URIG	24.50	24.50	1.00
11414URIG	24.50	24.50	1.00
11414URIG	24.50	24.50	1.00
12401BAGHLIH4	73.50	31.86	0.43
12401BAGHLIH4	73.50	31.86	0.43
12401BAGHLIH4	62.72	27.19	0.43
12418DULHAST	63.70	30.80	0.48
12418DULHAST	63.70	30.80	0.48
12418DULHAST	63.70	30.80	0.48
12419DEHAR4	63.70	23.77	0.37
12419DEHAR4	63.70	23.77	0.37
12419DEHAR4	54.88	20.48	0.37
12419DEHAR4	54.88	20.48	0.37
130WANAK4	154.25	43.28	0.28
130WANAK4	154.25	43.28	0.28
130WANAK4	147.78	41.47	0.28
130WANAK4	135.93	38.14	0.28
144UKAI4	84.87	53.22	0.63
157GTEC4	58.90	23.18	0.39
16457SURTGRH4	209.72	44.68	0.21
16457SURTGRH4	209.72	44.68	0.21
16457SURTGRH4	395.14	84.18	0.21
17447VISHNU4	29.40	23.91	0.81
17447VISHNU4	29.40	23.91	0.81
17447VISHNU4	29.40	23.91	0.81

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
17447VISHNU4	29.40	23.91	0.81
17466PANKI4	35.08	21.06	0.60
17468ANPARA4	196.00	150.10	0.77
17468ANPARA4	196.00	150.10	0.77
17468ANPARA4	196.00	150.10	0.77
17468ANPARA4	441.00	337.72	0.77
17472OBRA4	147.00	110.74	0.75
17472OBRA4	171.50	129.20	0.75
17472OBRA4	171.50	129.20	0.75
18403NATHPA4	39.20	64.51	1.65
18403NATHPA4	39.20	64.51	1.65
18403NATHPA4	39.20	64.51	1.65
18403NATHPA4	39.20	64.51	1.65
18403NATHPA4	39.20	64.51	1.65
18403NATHPA4	39.20	64.51	1.65
18403NATHPA4	39.20	64.51	1.65
18423SINGRL4	217.39	215.27	0.99
18423SINGRL4	217.39	215.27	0.99
18423SINGRL4	224.79	222.24	0.99
18423SINGRL4	217.39	215.27	0.99
18423SINGRL4	217.39	215.27	0.99
18423SINGRL4	506.46	490.53	0.97
18423SINGRL4	506.46	490.53	0.97
18424DADRI4	1410.32	723.72	0.51
18424DADRI4	1232.84	0.00	0.00
18426AURYA4	157.58	111.27	0.71
18431KANPUR4	170.52	130.54	0.77
18433RIHAND4	383.38	273.15	0.71
18433RIHAND4	383.38	273.15	0.71
18433RIHAND4	383.38	273.15	0.71
18499TEHRI4	49.00	37.43	0.76
18499TEHRI4	49.00	37.43	0.76
18499TEHRI4	49.00	37.43	0.76
18499TEHRI4	49.00	37.43	0.76
185SSP4	176.30	49.72	0.28
185SSP4	175.71	49.55	0.28
185SSP4	196.00	55.27	0.28
185SSP4	196.00	55.27	0.28
185SSP4	196.00	55.27	0.28
185SSP4	98.00	27.64	0.28
186SUGEN4	296.55	55.15	0.19

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
186SUGEN4	363.58	67.62	0.19
186SUGEN4	363.87	67.67	0.19
19402BASPA4	49.00	87.28	1.78
19402BASPA4	49.00	87.28	1.78
19402BASPA4	49.00	87.28	1.78
245CHNDR4	196.00	69.78	0.36
245CHNDR4	179.44	63.88	0.36
245CHNDR4	179.44	63.88	0.36
245CHNDR4	371.71	132.33	0.36
245CHNDR4	441.00	157.00	0.36
245CHNDR4	470.01	167.33	0.36
249BHADR4	257.05	101.53	0.39
252KORAD4	163.17	89.27	0.55
2539INDVTGR4	308.50	57.75	0.19
278PADGH4	1331.82	0.00	0.00
312SATPU4	196.00	113.62	0.58
312SATPU4	196.00	113.62	0.58
326KORBW4	128.87	88.32	0.69
326KORBW4	122.11	83.69	0.69
3506KTPS400	205.80	29.17	0.14
3506KTPS400	205.80	29.17	0.14
3506KTPS400	205.80	29.17	0.14
3532SAGAR4	245.00	74.11	0.30
3532SAGAR4	245.00	74.11	0.30
355INDSGR4	131.52	54.20	0.41
355INDSGR4	131.52	54.20	0.41
355INDSGR4	131.52	54.20	0.41
355INDSGR4	131.52	54.20	0.41
355INDSGR4	131.52	54.20	0.41
355INDSGR4	131.52	54.20	0.41
3570BKSWAR4	196.00	24.48	0.12
3570BKSWAR4	196.00	24.48	0.12
3570BKSWAR4	196.00	24.48	0.12
3570BKSWAR4	196.00	24.48	0.12
3570BKSWAR4	196.00	24.48	0.12
3620PURLPPS	220.50	66.59	0.30
3620PURLPPS	144.06	43.51	0.30
3620PURLPPS	245.00	73.99	0.30
3620PURLPPS	245.00	73.99	0.30
387GWALIOR4	15.97	11.35	0.71
4001FARAKKA	230.30	160.30	0.70

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4001FARAKKA	196.00	136.42	0.70
4001FARAKKA	196.00	136.42	0.70
4001FARAKKA	392.00	272.85	0.70
4001FARAKKA	416.50	289.90	0.70
4008CHUKHA2	78.40	15.98	0.20
4008CHUKHA2	78.40	15.98	0.20
4008CHUKHA2	78.40	15.98	0.20
4008CHUKHA2	78.40	15.98	0.20
400KNTPC4	159.05	140.82	0.89
400KNTPC4	158.47	140.30	0.89
400KNTPC4	158.47	140.30	0.89
400KNTPC4	411.21	364.07	0.89
400KNTPC4	411.21	364.07	0.89
400KNTPC4	411.21	364.07	0.89
401VINDH_W4	196.00	183.55	0.94
401VINDH_W4	394.06	369.03	0.94
401VINDH_W4	196.00	183.55	0.94
401VINDH_W4	196.00	183.55	0.94
401VINDH_W4	196.00	183.55	0.94
401VINDH_W4	196.00	183.55	0.94
401VINDH_W4	196.00	183.55	0.94
401VINDH_W4	196.00	183.55	0.94
401VINDH_W4	441.00	412.99	0.94
401VINDH_W4	441.00	412.99	0.94
401VINDH_W4	483.14	452.45	0.94
4020KHALGN4	166.60	213.85	1.28
4020KHALGN4	490.00	628.97	1.28
4020KHALGN4	514.50	660.42	1.28
4025STPPP4	455.70	185.77	0.41
4025STPPP4	455.70	185.77	0.41
4029JEYPUR4	302.72	0.01	0.00
4039TALA4	98.00	138.24	1.41
4039TALA4	98.00	138.24	1.41
4039TALA4	98.00	138.24	1.41
4039TALA4	176.40	248.83	1.41
4039TALA4	176.40	248.83	1.41
4039TALA4	176.40	248.83	1.41
4067TISTA-V4	98.00	164.61	1.68
4067TISTA-V4	98.00	164.61	1.68
4067TISTA-V4	98.00	164.61	1.68
4071KURICHU	4.90	2.26	0.46

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4071KURICHU	4.90	2.26	0.46
4071KURICHU	4.90	2.26	0.46
407SATNA	70.95	63.89	0.90
410GANCS4	131.81	55.41	0.42
414TAPS4	441.00	87.48	0.20
414TAPS4	441.00	87.48	0.20
426SIPAT7	490.00	822.30	1.68
426SIPAT7	490.00	822.30	1.68
437RAIG4	392.00	393.09	1.00
437RAIG4	91.83	92.09	1.00
445MUNDRA4	294.00	139.35	0.47
453PATH4	227.85	220.67	0.97
600DABHOL	34.30	9.27	0.27
600DABHOL	230.30	62.26	0.27
600DABHOL	230.30	62.26	0.27
600DABHOL	230.30	62.26	0.27
602KOY4-4	252.84	51.00	0.20
602KOY4-4	252.84	51.00	0.20
602KOY4-4	245.00	49.42	0.20
602KOY4-4	245.00	49.42	0.20
6602KUMARGAT	24.50	13.86	0.57
6700KTHLGRI	29.40	41.81	1.42
6700KTHLGRI	29.40	41.81	1.42
6700KTHLGRI	31.36	44.59	1.42
6700KTHLGRI	32.34	45.99	1.42
6700KTHLGRI	32.34	45.99	1.42
6700KTHLGRI	6.86	9.75	1.42
6706DMPR(P)1	5.59	3.48	0.62
6708LOKTAK	14.70	4.65	0.32
6708LOKTAK	14.70	4.65	0.32
6708LOKTAK	1.96	0.62	0.32
6708LOKTAK	29.40	9.30	0.32
6712AGTPP	36.26	15.15	0.42
6712AGTPP	38.22	15.97	0.42
6712AGTPP	20.58	8.60	0.42
6712AGTPP	20.58	8.60	0.42
6712AGTPP	19.60	8.19	0.42
6712AGTPP	18.62	7.78	0.42
6714KHNDNG	39.20	16.54	0.42
6714KHNDNG	24.50	10.34	0.42

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
6714KHNDNG	20.58	8.68	0.42
6715KOPIL2A	49.00	61.92	1.26
6715KOPIL2A	49.00	61.92	1.26
6715KOPIL2A	49.00	61.92	1.26
691JIN4-B1	199.82	182.39	0.91
691JIN4-B1	199.82	182.39	0.91
691JIN4-B1	196.00	178.91	0.91
691JIN4-B1	245.00	223.63	0.91

2. TABLE X.2: HYBRID METHOD, NEW GRID GENERATION NODAL CHARGES - WINTER PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
11401CHAMER-2	24.50	34.58	1.41
11401CHAMER-2	24.50	34.58	1.41
11401CHAMER-2	24.50	34.58	1.41
11411CHAMER-1	24.50	36.41	1.49
11411CHAMER-1	24.50	36.41	1.49
11411CHAMER-1	24.50	36.41	1.49
11414URIG	24.50	24.25	0.99
11414URIG	24.50	24.25	0.99
11414URIG	24.50	24.25	0.99
12401BAGHLIH4	73.50	28.75	0.39
12401BAGHLIH4	73.50	28.75	0.39
12401BAGHLIH4	62.72	24.54	0.39
12418DULHAST	63.70	28.11	0.44
12418DULHAST	63.70	28.11	0.44
12418DULHAST	63.70	28.11	0.44
12419DEHAR4	63.70	31.40	0.49
12419DEHAR4	63.70	31.40	0.49
12419DEHAR4	54.88	27.05	0.49
12419DEHAR4	54.88	27.05	0.49
130WANAK4	154.25	46.24	0.30
130WANAK4	154.25	46.24	0.30
130WANAK4	147.78	44.30	0.30
130WANAK4	135.93	40.75	0.30
144UKAI4	128.77	65.17	0.51
157GTEC4	89.18	37.23	0.42
16457SURTGRH4	209.72	40.79	0.19

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
16457SURTGRH4	209.72	40.79	0.19
16457SURTGRH4	394.74	76.78	0.19
17447VISHNU4	29.40	23.68	0.81
17447VISHNU4	29.40	23.68	0.81
17447VISHNU4	29.40	23.68	0.81
17447VISHNU4	29.40	23.68	0.81
17466PANKI4	34.30	20.12	0.59
17468ANPARA4	196.00	145.30	0.74
17468ANPARA4	196.00	145.30	0.74
17468ANPARA4	196.00	145.30	0.74
17468ANPARA4	441.00	326.92	0.74
17472OBRA4	147.00	106.10	0.72
17472OBRA4	171.50	123.78	0.72
17472OBRA4	171.50	123.78	0.72
18403NATHPA4	39.20	80.48	2.05
18403NATHPA4	39.20	80.48	2.05
18403NATHPA4	39.20	80.48	2.05
18403NATHPA4	39.20	80.48	2.05
18403NATHPA4	39.20	80.48	2.05
18403NATHPA4	39.20	80.48	2.05
18423SINGRL4	197.83	192.86	0.97
18423SINGRL4	197.83	192.86	0.97
18423SINGRL4	204.65	199.21	0.97
18423SINGRL4	197.83	192.86	0.97
18423SINGRL4	197.83	192.86	0.97
18423SINGRL4	464.15	440.84	0.95
18423SINGRL4	464.15	440.84	0.95
18424DADRI4	1407.57	728.86	0.52
18424DADRI4	1232.84	0.00	0.00
18426AURYA4	129.16	97.05	0.75
18431KANPUR4	169.15	134.36	0.79
18433RIHAND4	383.38	276.02	0.72
18433RIHAND4	383.38	276.02	0.72
18433RIHAND4	383.38	276.02	0.72
18499TEHRI4	49.00	74.10	1.51
18499TEHRI4	49.00	74.10	1.51
185SSP4	176.30	50.42	0.29
185SSP4	175.71	50.25	0.29
185SSP4	196.00	56.05	0.29
185SSP4	196.00	56.05	0.29

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
185SSP4	196.00	56.05	0.29
185SSP4	98.00	28.03	0.29
186SUGEN4	296.55	67.39	0.23
186SUGEN4	363.58	82.62	0.23
186SUGEN4	363.87	82.69	0.23
19402BASPA4	29.40	80.24	2.73
245CHNDR4	196.00	69.39	0.35
245CHNDR4	179.44	63.53	0.35
245CHNDR4	179.44	63.53	0.35
245CHNDR4	371.71	131.60	0.35
245CHNDR4	441.00	156.13	0.35
245CHNDR4	470.01	166.40	0.35
249BHADR4	257.05	101.01	0.39
252KORAD4	163.17	98.42	0.60
2539INDVTGR4	287.53	42.75	0.15
278PADGH4	1331.82	0.00	0.00
312SATPU4	196.00	83.03	0.42
312SATPU4	196.00	83.03	0.42
326KORBW4	128.87	93.07	0.72
326KORBW4	122.11	88.19	0.72
3506KTPS400	205.80	61.90	0.30
3506KTPS400	205.80	61.90	0.30
3506KTPS400	205.80	61.90	0.30
3532SAGAR4	245.00	94.11	0.38
3532SAGAR4	245.00	94.11	0.38
355INDSGR4	131.52	41.05	0.31
355INDSGR4	131.52	41.05	0.31
355INDSGR4	131.52	41.05	0.31
3570BKSWAR4	196.00	24.36	0.12
3570BKSWAR4	196.00	24.36	0.12
3570BKSWAR4	196.00	24.36	0.12
3570BKSWAR4	196.00	24.36	0.12
3570BKSWAR4	196.00	24.36	0.12
3620PURLPPS	220.50	80.45	0.36
3620PURLPPS	144.06	52.56	0.36
3620PURLPPS	245.00	89.39	0.36
3620PURLPPS	245.00	89.39	0.36
4001FARAKKA	230.30	177.50	0.77
4001FARAKKA	196.00	151.07	0.77
4001FARAKKA	196.00	151.07	0.77

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4001FARAKKA	392.00	302.14	0.77
4001FARAKKA	416.50	321.02	0.77
4005MAITHON	12.94	11.67	0.90
4008CHUKHA2	78.40	16.53	0.21
4008CHUKHA2	78.40	16.53	0.21
4008CHUKHA2	78.40	16.53	0.21
4008CHUKHA2	78.40	16.53	0.21
400KNTPC4	176.40	159.32	0.90
400KNTPC4	176.40	159.32	0.90
400KNTPC4	176.40	159.32	0.90
400KNTPC4	441.00	398.30	0.90
400KNTPC4	441.00	398.30	0.90
400KNTPC4	441.00	398.30	0.90
401VINDH_W4	196.00	167.63	0.86
401VINDH_W4	394.06	337.02	0.86
401VINDH_W4	196.00	167.63	0.86
401VINDH_W4	196.00	167.63	0.86
401VINDH_W4	196.00	167.63	0.86
401VINDH_W4	196.00	167.63	0.86
401VINDH_W4	196.00	167.63	0.86
401VINDH_W4	441.00	377.17	0.86
401VINDH_W4	441.00	377.17	0.86
401VINDH_W4	483.14	413.21	0.86
4020KHALGN4	166.60	209.31	1.26
4020KHALGN4	490.00	615.60	1.26
4020KHALGN4	514.50	646.39	1.26
4025TSTPP4	455.70	140.41	0.31
4025TSTPP4	455.70	140.41	0.31
4029JEYPUR4	273.52	0.03	0.00
4039TALA4	98.00	149.18	1.52
4039TALA4	98.00	149.18	1.52
4039TALA4	98.00	149.18	1.52
4039TALA4	176.40	268.53	1.52
4039TALA4	176.40	268.53	1.52
4039TALA4	176.40	268.53	1.52
4067TISTA-V4	98.00	168.97	1.72
4067TISTA-V4	98.00	168.97	1.72
4067TISTA-V4	98.00	168.97	1.72
4071KURICHU	4.90	2.24	0.46
4071KURICHU	4.90	2.24	0.46

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4071KURICHU	4.90	2.24	0.46
407SATNA	14.21	12.29	0.87
410GANCS4	167.78	68.43	0.41
414TAPS4	441.00	98.02	0.22
414TAPS4	441.00	98.02	0.22
426SIPAT7	490.00	774.87	1.58
426SIPAT7	490.00	774.87	1.58
437RAIG4	392.00	360.62	0.92
437RAIG4	132.89	122.25	0.92
445MUNDRA4	294.00	143.92	0.49
453PATH4	227.85	220.96	0.97
600DABHOL	34.30	9.24	0.27
600DABHOL	230.30	62.02	0.27
600DABHOL	230.30	62.02	0.27
600DABHOL	230.30	62.02	0.27
602KOY4-4	252.84	51.25	0.20
602KOY4-4	252.84	51.25	0.20
602KOY4-4	245.00	49.66	0.20
602KOY4-4	245.00	49.66	0.20
6602KUMARGAT	27.83	14.61	0.53
6700KTHLGRI	29.40	41.11	1.40
6700KTHLGRI	29.40	41.11	1.40
6700KTHLGRI	31.36	43.85	1.40
6700KTHLGRI	32.34	45.22	1.40
6700KTHLGRI	32.34	45.22	1.40
6700KTHLGRI	6.86	9.59	1.40
6706DMPR(P)1	7.06	4.32	0.61
6708LOKTAK	14.70	3.99	0.27
6708LOKTAK	14.70	3.99	0.27
6708LOKTAK	1.96	0.53	0.27
6708LOKTAK	29.40	7.99	0.27
6712AGTPP	36.26	14.41	0.40
6712AGTPP	38.22	15.19	0.40
6712AGTPP	20.58	8.18	0.40
6712AGTPP	20.58	8.18	0.40
6712AGTPP	19.60	7.79	0.40
6712AGTPP	18.62	7.40	0.40
6714KHNDNG	39.20	14.50	0.37
6714KHNDNG	24.50	9.06	0.37
6714KHNDNG	20.58	7.61	0.37

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
6715KOPIL2A	49.00	58.83	1.20
6715KOPIL2A	49.00	58.83	1.20
6715KOPIL2A	49.00	58.83	1.20
691JIN4-B1	199.82	182.03	0.91
691JIN4-B1	199.82	182.03	0.91
691JIN4-B1	196.00	178.54	0.91
691JIN4-B1	245.00	223.18	0.91

3. TABLE X.3: HYBRID METHOD, NEW GRID GENERATION NODAL CHARGES - MONSOON PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
11401CHAMER-2	100.00	39.52	0.40
11401CHAMER-2	100.00	39.52	0.40
11401CHAMER-2	100.00	39.52	0.40
11411CHAMER-1	180.00	64.02	0.36
11411CHAMER-1	180.00	64.02	0.36
11411CHAMER-1	180.00	64.02	0.36
11414URIG	120.00	80.81	0.67
11414URIG	120.00	80.81	0.67
11414URIG	82.00	55.22	0.67
12401BAGHLIH4	150.00	65.94	0.44
12401BAGHLIH4	150.00	65.94	0.44
12401BAGHLIH4	64.00	28.13	0.44
12418DULHAST	130.00	54.10	0.42
12418DULHAST	130.00	54.10	0.42
12418DULHAST	130.00	54.10	0.42
12419DEHAR4	165.00	70.22	0.43
12419DEHAR4	165.00	70.22	0.43
12419DEHAR4	165.00	70.22	0.43
12419DEHAR4	55.00	23.41	0.43
130WANAK4	157.40	52.55	0.33
130WANAK4	157.40	52.55	0.33
130WANAK4	150.80	50.35	0.33
130WANAK4	138.70	46.31	0.33
144UKAI4	87.50	54.88	0.63
157GTEC4	57.60	24.50	0.43
16457SURTGRH4	214.00	54.18	0.25
16457SURTGRH4	214.00	54.18	0.25

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
16457SURTGRH4	252.80	64.00	0.25
17447VISHNU4	100.00	33.56	0.34
17447VISHNU4	100.00	33.56	0.34
17447VISHNU4	100.00	33.56	0.34
17447VISHNU4	100.00	33.56	0.34
17468ANPARA4	120.00	99.37	0.83
17468ANPARA4	120.00	99.37	0.83
17468ANPARA4	120.00	99.37	0.83
17468ANPARA4	370.00	306.39	0.83
17472OBRA4	101.00	85.76	0.85
17472OBRA4	170.00	144.35	0.85
17472OBRA4	170.00	144.35	0.85
18403NATHPA4	257.80	179.74	0.70
18403NATHPA4	257.80	179.74	0.70
18403NATHPA4	257.80	179.74	0.70
18403NATHPA4	257.80	179.74	0.70
18403NATHPA4	257.80	179.74	0.70
18403NATHPA4	257.80	179.74	0.70
18403NATHPA4	257.80	179.74	0.70
18423SINGRL4	30.47	36.66	1.20
18423SINGRL4	30.47	36.66	1.20
18423SINGRL4	35.02	41.30	1.18
18423SINGRL4	30.47	36.66	1.20
18423SINGRL4	30.47	36.66	1.20
18423SINGRL4	209.72	219.17	1.05
18423SINGRL4	209.72	219.17	1.05
18424DADRI4	1279.70	292.18	0.23
18424DADRI4	1258.00	0.00	0.00
18426AURYA4	178.60	165.04	0.92
18431KANPUR4	108.40	97.29	0.90
18433RIHAND4	391.25	235.99	0.60
18433RIHAND4	391.25	235.99	0.60
18433RIHAND4	391.25	235.99	0.60
18499TEHRI4	250.00	75.67	0.30
18499TEHRI4	250.00	75.67	0.30
18499TEHRI4	250.00	75.67	0.30
18499TEHRI4	190.00	57.51	0.30
185SSP4	179.90	57.58	0.32
185SSP4	179.30	57.39	0.32
185SSP4	200.00	64.01	0.32
185SSP4	200.00	64.01	0.32

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
185SSP4	200.00	64.01	0.32
185SSP4	100.00	32.01	0.32
186SUGEN4	302.60	67.78	0.22
186SUGEN4	371.00	83.10	0.22
186SUGEN4	371.30	83.17	0.22
19402BASPA4	120.00	90.93	0.76
19402BASPA4	120.00	90.93	0.76
19402BASPA4	100.00	75.77	0.76
245CHNDR4	188.60	69.41	0.37
245CHNDR4	183.10	67.39	0.37
245CHNDR4	183.10	67.39	0.37
245CHNDR4	379.30	139.60	0.37
245CHNDR4	367.30	135.18	0.37
245CHNDR4	479.60	176.51	0.37
249BHADR4	262.30	110.42	0.42
252KORAD4	166.50	118.21	0.71
2539INDVTGR4	300.40	44.42	0.15
278PADGH4	1359.00	0.00	0.00
312SATPU4	200.00	145.99	0.73
312SATPU4	200.00	145.99	0.73
326KORBW4	131.50	102.99	0.78
326KORBW4	124.60	97.58	0.78
3506KTPS400	210.00	24.77	0.12
3506KTPS400	210.00	24.77	0.12
3506KTPS400	210.00	24.77	0.12
3532SAGAR4	250.00	77.76	0.31
3532SAGAR4	250.00	77.76	0.31
355INDSGR4	134.20	65.71	0.49
355INDSGR4	134.20	65.71	0.49
355INDSGR4	134.20	65.71	0.49
355INDSGR4	134.20	65.71	0.49
355INDSGR4	134.20	65.71	0.49
3570BKSWAR4	150.00	24.67	0.16
3570BKSWAR4	58.00	9.54	0.16
3570BKSWAR4	150.00	24.67	0.16
3570BKSWAR4	150.00	24.67	0.16
3570BKSWAR4	150.00	24.67	0.16
3620PURLPPS	225.00	69.38	0.31
3620PURLPPS	147.00	45.33	0.31
3620PURLPPS	250.00	77.09	0.31

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
3620PURLPPS	250.00	77.09	0.31
387GWALIOR4	32.00	26.89	0.84
4001FARAKKA	235.00	160.97	0.68
4001FARAKKA	180.00	123.30	0.68
4001FARAKKA	180.00	123.30	0.68
4001FARAKKA	400.00	273.99	0.68
4001FARAKKA	325.00	222.62	0.68
4008CHUKHA2	80.00	13.33	0.17
4008CHUKHA2	80.00	13.33	0.17
4008CHUKHA2	80.00	13.33	0.17
4008CHUKHA2	80.00	13.33	0.17
400KNTPC4	162.30	165.87	1.02
400KNTPC4	161.70	165.26	1.02
400KNTPC4	161.70	165.26	1.02
400KNTPC4	419.60	428.83	1.02
400KNTPC4	419.60	428.83	1.02
400KNTPC4	419.60	428.83	1.02
401VINDH_W4	170.50	186.17	1.09
401VINDH_W4	402.10	439.05	1.09
401VINDH_W4	170.50	186.17	1.09
401VINDH_W4	170.50	186.17	1.09
401VINDH_W4	170.50	186.17	1.09
401VINDH_W4	170.50	186.17	1.09
401VINDH_W4	170.50	186.17	1.09
401VINDH_W4	170.50	186.17	1.09
401VINDH_W4	402.10	439.05	1.09
401VINDH_W4	402.10	439.05	1.09
401VINDH_W4	493.00	538.30	1.09
4020KHALGN4	170.00	197.66	1.16
4020KHALGN4	300.00	348.82	1.16
4020KHALGN4	250.00	290.68	1.16
4025TSTPP4	465.00	162.56	0.35
4025TSTPP4	465.00	162.56	0.35
4029JEYPUR4	291.20	0.01	0.00
4039TALA4	180.00	254.52	1.41
4039TALA4	180.00	254.52	1.41
4039TALA4	180.00	254.52	1.41
4039TALA4	180.00	254.52	1.41
4039TALA4	180.00	254.52	1.41
4039TALA4	180.00	254.52	1.41
4067TISTA-V4	170.00	264.91	1.56

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4067TISTA-V4	170.00	264.91	1.56
4067TISTA-V4	170.00	264.91	1.56
4071KURICHU	15.00	2.76	0.18
4071KURICHU	15.00	2.76	0.18
4071KURICHU	10.00	1.84	0.18
407SATNA	173.00	211.81	1.22
410GANCS4	131.40	60.95	0.46
414TAPS4	393.90	112.74	0.29
414TAPS4	306.00	87.58	0.29
426SIPAT7	500.00	879.49	1.76
426SIPAT7	500.00	879.49	1.76
437RAIG4	400.00	572.71	1.43
437RAIG4	78.10	111.82	1.43
445MUNDRA4	300.00	150.40	0.50
453PATH4	232.50	219.07	0.94
600DABHOL	35.00	10.12	0.29
600DABHOL	235.00	67.95	0.29
600DABHOL	235.00	67.95	0.29
600DABHOL	235.00	67.95	0.29
602KOY4-4	258.00	57.27	0.22
602KOY4-4	258.00	57.27	0.22
602KOY4-4	250.00	55.50	0.22
602KOY4-4	250.00	55.50	0.22
6602KUMARGAT	38.60	17.25	0.45
6700KTHLGRI	30.00	0.00	0.00
6700KTHLGRI	30.00	0.00	0.00
6700KTHLGRI	32.00	0.00	0.00
6700KTHLGRI	33.00	0.00	0.00
6700KTHLGRI	33.00	0.00	0.00
6700KTHLGRI	7.00	0.00	0.00
6706DMPR(P)1	38.30	15.08	0.39
6708LOKTAK	30.00	16.98	0.57
6708LOKTAK	30.00	16.98	0.57
6708LOKTAK	2.00	1.13	0.57
6708LOKTAK	30.00	16.98	0.57
6712AGTPP	37.00	13.40	0.36
6712AGTPP	39.00	14.13	0.36
6712AGTPP	21.00	7.61	0.36
6712AGTPP	21.00	7.61	0.36
6712AGTPP	20.00	7.24	0.36

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
6712AGTPP	19.00	6.88	0.36
6714KHNDNG	40.00	21.02	0.53
6714KHNDNG	25.00	13.14	0.53
6714KHNDNG	21.00	11.04	0.53
6715KOPIL2A	50.00	56.14	1.12
6715KOPIL2A	50.00	56.14	1.12
6715KOPIL2A	50.00	56.14	1.12
691JIN4-B1	203.90	212.60	1.04
691JIN4-B1	203.90	212.60	1.04
691JIN4-B1	50.00	52.13	1.04
691JIN4-B1	250.00	260.67	1.04

4. TABLE X.4: HYBRID METHOD, NEW GRID GENERATION NODAL CHARGES - SUMMER OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
11401CHAMER-2	25.00	76.47	3.06
11401CHAMER-2	25.00	76.47	3.06
11411CHAMER-1	25.00	92.35	3.69
11411CHAMER-1	25.00	92.35	3.69
11411CHAMER-1	25.00	92.35	3.69
11414URIG	25.00	48.37	1.93
11414URIG	25.00	48.37	1.93
11414URIG	25.00	48.37	1.93
12401BAGHLIH4	75.00	114.38	1.53
12401BAGHLIH4	25.00	38.13	1.53
12418DULHAST	60.00	97.65	1.63
12418DULHAST	35.00	56.96	1.63
12419DEHAR4	65.00	24.30	0.37
12419DEHAR4	56.00	20.93	0.37
130WANAK4	157.40	88.19	0.56
130WANAK4	157.40	88.19	0.56
130WANAK4	150.80	84.49	0.56
130WANAK4	138.70	77.71	0.56
144UKAI4	127.10	132.62	1.04
157GTEC4	83.30	68.78	0.83
16457SURTGRH4	214.00	82.29	0.38
16457SURTGRH4	214.00	82.29	0.38
16457SURTGRH4	405.80	156.03	0.38

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
17447VISHNU4	30.00	47.18	1.57
17447VISHNU4	30.00	47.18	1.57
17447VISHNU4	30.00	47.18	1.57
17447VISHNU4	30.00	47.18	1.57
17466PANKI4	36.80	45.48	1.24
17468ANPARA4	200.00	327.97	1.64
17468ANPARA4	200.00	327.97	1.64
17468ANPARA4	200.00	327.97	1.64
17468ANPARA4	450.00	737.93	1.64
17472OBRA4	150.00	233.28	1.56
17472OBRA4	175.00	272.16	1.56
17472OBRA4	175.00	272.16	1.56
18403NATHPA4	40.00	134.57	3.36
18403NATHPA4	40.00	134.57	3.36
18423SINGRL4	94.50	218.15	2.31
18423SINGRL4	94.50	218.15	2.31
18423SINGRL4	100.70	230.77	2.29
18423SINGRL4	94.50	218.15	2.31
18423SINGRL4	94.50	218.15	2.31
18423SINGRL4	336.58	715.72	2.13
18423SINGRL4	336.58	715.72	2.13
18424DADRI4	1438.70	1601.63	1.11
18424DADRI4	1258.00	0.00	0.00
18426AURYA4	192.20	290.20	1.51
18431KANPUR4	174.40	294.25	1.69
18433RIHAND4	391.20	585.18	1.50
18433RIHAND4	391.20	585.18	1.50
18433RIHAND4	391.20	585.18	1.50
18499TEHRI4	50.00	153.04	3.06
18499TEHRI4	50.00	153.04	3.06
185SSP4	200.00	126.67	0.63
185SSP4	200.00	126.67	0.63
185SSP4	100.00	63.34	0.63
186SUGEN4	302.60	156.97	0.52
186SUGEN4	371.00	192.45	0.52
186SUGEN4	371.30	192.60	0.52
19402BASPA4	50.00	209.61	4.19
245CHNDR4	200.00	145.77	0.73
245CHNDR4	183.10	133.45	0.73
245CHNDR4	183.10	133.45	0.73

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
245CHNDR4	379.30	276.45	0.73
245CHNDR4	450.00	327.98	0.73
245CHNDR4	479.60	349.55	0.73
249BHADR4	100.00	82.06	0.82
252KORAD4	166.50	233.31	1.40
2539INDVTGR4	92.80	48.77	0.53
278PADGH4	1359.00	0.00	0.00
312SATPU4	200.00	225.58	1.13
326KORBW4	131.50	213.23	1.62
326KORBW4	124.60	202.04	1.62
3506KTPS400	210.00	104.65	0.50
3506KTPS400	210.00	104.65	0.50
3506KTPS400	210.00	104.65	0.50
3532SAGAR4	250.00	238.48	0.95
3532SAGAR4	250.00	238.48	0.95
355INDSGR4	134.20	124.05	0.92
355INDSGR4	134.20	124.05	0.92
3570BKSWAR4	200.00	45.61	0.23
3570BKSWAR4	200.00	45.61	0.23
3570BKSWAR4	200.00	45.61	0.23
3570BKSWAR4	200.00	45.61	0.23
3570BKSWAR4	200.00	45.61	0.23
3620PURLPPS	100.00	126.45	1.26
3620PURLPPS	147.00	185.88	1.26
387GWALIOR4	109.90	164.77	1.50
4001FARAKKA	235.00	402.22	1.71
4001FARAKKA	200.00	342.32	1.71
4001FARAKKA	200.00	342.32	1.71
4001FARAKKA	400.00	684.63	1.71
4001FARAKKA	425.00	727.42	1.71
4008CHUKHA2	80.00	68.13	0.85
4008CHUKHA2	20.00	17.03	0.85
4009BIRPARA	23.60	28.70	1.22
400KNTPC4	162.30	334.01	2.06
400KNTPC4	161.70	332.78	2.06
400KNTPC4	161.70	332.78	2.06
400KNTPC4	419.60	863.53	2.06
400KNTPC4	419.60	863.53	2.06
400KNTPC4	419.60	863.53	2.06
401VINDH_W4	200.00	397.30	1.99

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
401VINDH_W4	402.10	798.78	1.99
401VINDH_W4	200.00	397.30	1.99
401VINDH_W4	200.00	397.30	1.99
401VINDH_W4	200.00	397.30	1.99
401VINDH_W4	200.00	397.30	1.99
401VINDH_W4	200.00	397.30	1.99
401VINDH_W4	450.00	893.93	1.99
401VINDH_W4	450.00	893.93	1.99
401VINDH_W4	493.00	979.35	1.99
4020KHALGN4	170.00	498.71	2.93
4020KHALGN4	500.00	1466.78	2.93
4020KHALGN4	525.00	1540.12	2.93
4025TSTPP4	465.00	380.59	0.82
4025TSTPP4	465.00	380.59	0.82
4029JEYPUR4	40.60	0.00	0.00
4039TALA4	150.00	573.60	3.82
4039TALA4	150.00	573.60	3.82
4039TALA4	150.00	573.60	3.82
4039TALA4	150.00	573.60	3.82
4067TISTA-V4	100.00	536.39	5.36
4067TISTA-V4	50.00	268.20	5.36
4071KURICHU	5.00	4.05	0.81
4071KURICHU	5.00	4.05	0.81
4071KURICHU	5.00	4.05	0.81
407SATNA	199.50	398.09	2.00
410GANCS4	158.10	130.33	0.82
414TAPS4	450.00	243.05	0.54
414TAPS4	450.00	243.05	0.54
426SIPAT7	500.00	1723.68	3.45
426SIPAT7	500.00	1723.68	3.45
437RAIG4	400.00	821.72	2.05
437RAIG4	114.20	234.60	2.05
445MUNDRA4	300.00	295.44	0.98
453PATH4	232.50	466.71	2.01
600DABHOL	35.00	18.85	0.54
600DABHOL	235.00	126.54	0.54
600DABHOL	235.00	126.54	0.54
600DABHOL	235.00	126.54	0.54
602KOY4-4	258.00	105.65	0.41
602KOY4-4	258.00	105.65	0.41

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
602KOY4-4	250.00	102.38	0.41
602KOY4-4	250.00	102.38	0.41
6602KUMARGAT	21.00	35.29	1.68
6700KTHLGRI	30.00	59.08	1.97
6700KTHLGRI	30.00	59.08	1.97
6700KTHLGRI	32.00	63.02	1.97
6700KTHLGRI	28.00	55.14	1.97
6706DMPR(P)1	6.40	10.14	1.58
6708LOKTAK	15.00	35.66	2.38
6708LOKTAK	15.00	35.66	2.38
6708LOKTAK	2.00	4.75	2.38
6708LOKTAK	30.00	71.31	2.38
6712AGTPP	37.00	40.84	1.10
6712AGTPP	39.00	43.05	1.10
6712AGTPP	21.00	23.18	1.10
6712AGTPP	21.00	23.18	1.10
6712AGTPP	20.00	22.07	1.10
6712AGTPP	19.00	20.97	1.10
6714KHNDNG	40.00	60.47	1.51
6714KHNDNG	25.00	37.80	1.51
6714KHNDNG	21.00	31.75	1.51
691JIN4-B1	203.90	386.49	1.90
691JIN4-B1	203.90	386.49	1.90
691JIN4-B1	200.00	379.09	1.90
691JIN4-B1	250.00	473.87	1.90

5. TABLE X.5: HYBRID METHOD, NEW GRID GENERATION NODAL CHARGES - WINTER OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
11401CHAMER-2	24.75	40.99	1.66
11401CHAMER-2	24.75	40.99	1.66
11411CHAMER-1	24.75	47.54	1.92
11411CHAMER-1	24.75	47.54	1.92
11411CHAMER-1	24.75	47.54	1.92
11414URIG	24.75	47.37	1.91
11414URIG	24.75	47.37	1.91
11414URIG	24.75	47.37	1.91
12401BAGHLIH4	74.25	113.18	1.52

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
12401BAGHLIH4	24.75	37.73	1.52
12418DULHAST	59.40	96.52	1.62
12418DULHAST	34.65	56.30	1.62
12419DEHAR4	64.35	95.09	1.48
12419DEHAR4	55.44	81.92	1.48
12423MOGA4	40.49	116.38	2.87
130WANAK4	155.83	103.96	0.67
130WANAK4	155.83	103.96	0.67
130WANAK4	149.29	99.60	0.67
130WANAK4	137.31	91.60	0.67
144UKAI4	66.83	112.19	1.68
157GTEC4	27.62	30.18	1.09
16457SURTGRH4	211.86	82.28	0.39
16457SURTGRH4	211.86	82.28	0.39
16457SURTGRH4	404.12	156.94	0.39
17447VISHNU4	29.70	45.55	1.53
17447VISHNU4	29.70	45.55	1.53
17447VISHNU4	29.70	45.55	1.53
17447VISHNU4	29.70	45.55	1.53
17466PANKI4	31.88	53.36	1.67
17468ANPARA4	198.00	453.34	2.29
17468ANPARA4	198.00	453.34	2.29
17468ANPARA4	198.00	453.34	2.29
17472OBRA4	148.50	293.01	1.97
17472OBRA4	173.25	341.85	1.97
17472OBRA4	173.25	341.85	1.97
18403NATHPA4	39.60	229.56	5.80
18403NATHPA4	39.60	229.56	5.80
18423SINGRL4	38.11	97.84	2.57
18423SINGRL4	38.11	97.84	2.57
18423SINGRL4	40.46	103.39	2.56
18423SINGRL4	38.11	97.84	2.57
18423SINGRL4	38.11	97.84	2.57
18423SINGRL4	130.50	316.34	2.42
18423SINGRL4	130.50	316.34	2.42
18424DADRI4	872.39	1305.49	1.50
18424DADRI4	1245.42	0.00	0.00
18426AURYA4	186.71	409.88	2.20
18428MAHARA4	30.29	45.56	1.50
18431KANPUR4	136.03	319.13	2.35

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
18433RIHAND4	387.29	582.78	1.50
18433RIHAND4	387.29	582.78	1.50
18499TEHRI4	49.50	150.82	3.05
18499TEHRI4	49.50	150.82	3.05
185SSP4	198.00	168.87	0.85
185SSP4	198.00	168.87	0.85
185SSP4	99.00	84.44	0.85
186SUGEN4	299.57	266.93	0.89
186SUGEN4	367.29	327.27	0.89
19402BASPA4	49.50	328.35	6.63
245CHNDR4	198.00	117.63	0.59
245CHNDR4	181.27	107.69	0.59
245CHNDR4	181.27	107.69	0.59
249BHADR4	99.00	66.62	0.67
252KORAD4	164.84	208.53	1.27
2539INDVTGR4	105.53	58.19	0.55
278PADGH4	1345.41	0.00	0.00
312SATPU4	198.00	194.47	0.98
326KORBW4	130.19	285.77	2.20
326KORBW4	123.35	270.75	2.20
326KORBW4	94.55	207.54	2.20
3506KTPS400	207.90	152.14	0.73
3506KTPS400	207.90	152.14	0.73
3506KTPS400	207.90	152.14	0.73
3532SAGAR4	247.50	447.32	1.81
3532SAGAR4	247.50	447.32	1.81
355INDSGR4	132.86	107.19	0.81
355INDSGR4	132.86	107.19	0.81
3570BKSWAR4	198.00	49.24	0.25
3570BKSWAR4	198.00	49.24	0.25
3570BKSWAR4	198.00	49.24	0.25
3570BKSWAR4	198.00	49.24	0.25
3570BKSWAR4	198.00	49.24	0.25
3620PURLPPS	99.00	241.29	2.44
3620PURLPPS	145.53	354.69	2.44
387GWALIOR4	23.27	47.19	2.03
4001FARAKKA	232.65	601.56	2.59
4001FARAKKA	198.00	511.96	2.59
4001FARAKKA	198.00	511.96	2.59
4001FARAKKA	396.00	1023.93	2.59

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4003PARULIA	46.93	99.87	2.13
4005MAITHON	114.64	380.39	3.32
4008CHUKHA2	79.20	65.63	0.83
4008CHUKHA2	19.80	16.41	0.83
4009BIRPARA	30.39	36.90	1.21
400KNTPC4	160.68	348.95	2.17
400KNTPC4	160.08	347.65	2.17
400KNTPC4	160.08	347.65	2.17
400KNTPC4	415.40	902.12	2.17
400KNTPC4	415.40	902.12	2.17
400KNTPC4	415.40	902.12	2.17
401VINDH_W4	198.00	448.73	2.27
401VINDH_W4	398.08	902.18	2.27
401VINDH_W4	198.00	448.73	2.27
401VINDH_W4	198.00	448.73	2.27
401VINDH_W4	198.00	448.73	2.27
401VINDH_W4	198.00	448.73	2.27
401VINDH_W4	198.00	448.73	2.27
401VINDH_W4	198.00	448.73	2.27
401VINDH_W4	445.50	1009.65	2.27
4020KHALGN4	168.30	563.54	3.35
4020KHALGN4	495.00	1657.46	3.35
4020KHALGN4	519.75	1740.33	3.35
4021PURNEA4	38.61	163.11	4.22
4025STPPP4	460.35	584.32	1.27
4025STPPP4	460.35	584.32	1.27
4029JEYPUR4	60.49	0.00	0.00
4039TALA4	148.50	711.93	4.79
4039TALA4	148.50	711.93	4.79
4039TALA4	148.50	711.93	4.79
4067TISTA-V4	99.00	624.39	6.31
4067TISTA-V4	49.50	312.19	6.31
4071KURICHU	4.95	3.98	0.80
4071KURICHU	4.95	3.98	0.80
4071KURICHU	4.95	3.98	0.80
407SATNA	194.73	478.96	2.46
410GANCS4	53.36	56.18	1.05
414TAPS4	445.50	335.42	0.75
414TAPS4	445.50	335.42	0.75
426SIPAT7	495.00	1558.83	3.15
426SIPAT7	495.00	1558.83	3.15

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
437RAIG4	396.00	914.20	2.31
437RAIG4	234.04	540.30	2.31
445MUNDRA4	297.00	440.74	1.48
445MUNDRA4	23.07	34.23	1.48
453PATH4	230.18	589.54	2.56
600DABHOL	34.65	25.38	0.73
600DABHOL	232.65	170.40	0.73
600DABHOL	232.65	170.40	0.73
600DABHOL	232.65	170.40	0.73
602KOY4-4	255.42	127.59	0.50
602KOY4-4	255.42	127.59	0.50
602KOY4-4	247.50	123.64	0.50
602KOY4-4	247.50	123.64	0.50
6602KUMARGAT	23.66	30.62	1.29
6700KTHLGRI	29.70	75.00	2.53
6700KTHLGRI	29.70	75.00	2.53
6700KTHLGRI	31.68	80.00	2.53
6700KTHLGRI	27.72	70.00	2.53
6706DMPP(P)1	14.75	20.75	1.41
6708LOKTAK	14.85	36.33	2.45
6708LOKTAK	14.85	36.33	2.45
6708LOKTAK	1.98	4.84	2.45
6708LOKTAK	29.70	72.66	2.45
6712AGTPP	36.63	33.74	0.92
6712AGTPP	38.61	35.56	0.92
6712AGTPP	20.79	19.15	0.92
6712AGTPP	20.79	19.15	0.92
6712AGTPP	19.80	18.24	0.92
6712AGTPP	18.81	17.32	0.92
6714KHNDNG	39.60	111.87	2.82
6714KHNDNG	24.75	69.92	2.82
6714KHNDNG	20.79	58.73	2.82
691JIN4-B1	201.86	423.08	2.10
691JIN4-B1	201.86	423.08	2.10
691JIN4-B1	198.00	414.99	2.10
691JIN4-B1	247.50	518.74	2.10

**6. TABLE X.6: HYBRID METHOD, NEW GRID GENERATION
NODAL CHARGES - MONSOON OFF PEAK**

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
11401CHAMER-2	100.00	654.95	6.55
11414URIG	100.00	148.26	1.48
12401BAGHLIH4	13.33	41.78	3.13
12401BAGHLIH4	13.33	41.78	3.13
12401BAGHLIH4	13.33	41.78	3.13
12418DULHAST	100.00	151.47	1.51
12418DULHAST	100.00	151.47	1.51
12418DULHAST	100.00	151.47	1.51
12419DEHAR4	70.00	76.38	1.09
12419DEHAR4	70.00	76.38	1.09
12419DEHAR4	70.00	76.38	1.09
130WANAK4	157.36	102.09	0.65
130WANAK4	157.36	102.09	0.65
130WANAK4	150.84	97.86	0.65
130WANAK4	138.66	89.96	0.65
144UKAI4	127.50	173.82	1.36
157GTEC4	133.10	166.95	1.25
16457SURTGRH4	214.00	145.54	0.68
16457SURTGRH4	214.00	145.54	0.68
16457SURTGRH4	384.80	261.70	0.68
17447VISHNU4	95.11	62.67	0.66
17447VISHNU4	95.11	62.67	0.66
17447VISHNU4	95.11	62.67	0.66
17447VISHNU4	95.11	62.67	0.66
17466PANKI4	8.40	16.19	1.93
17468ANPARA4	180.00	365.37	2.03
17468ANPARA4	180.00	365.37	2.03
17468ANPARA4	430.00	872.82	2.03
17468ANPARA4	430.00	872.82	2.03
17472OBRA4	170.30	372.61	2.19
17472OBRA4	170.00	371.95	2.19
17472OBRA4	170.00	371.95	2.19
18403NATHPA4	250.00	930.67	3.72
18403NATHPA4	250.00	930.67	3.72
18423SINGRL4	53.39	157.98	2.96
18423SINGRL4	53.39	157.98	2.96
18423SINGRL4	53.39	157.98	2.96
18423SINGRL4	53.39	157.98	2.96

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
18423SINGRL4	134.93	383.64	2.84
18423SINGRL4	134.93	383.64	2.84
18424DADRI4	1056.00	847.18	0.80
18424DADRI4	1258.00	0.00	0.00
18426AURYA4	58.20	136.33	2.34
18431KANPUR4	110.40	260.98	2.36
18433RIHAND4	460.00	593.00	1.29
18433RIHAND4	460.00	593.00	1.29
18433RIHAND4	460.00	593.00	1.29
18499TEHRI4	225.00	294.27	1.31
185SSP4	179.90	161.99	0.90
185SSP4	179.32	161.47	0.90
186SUGEN4	302.61	210.06	0.69
19402BASPA4	100.00	385.28	3.85
19402BASPA4	100.00	385.28	3.85
19402BASPA4	100.00	385.28	3.85
245CHNDR4	183.12	130.41	0.71
245CHNDR4	183.12	130.41	0.71
245CHNDR4	379.29	270.12	0.71
245CHNDR4	367.28	261.57	0.71
249BHADR4	262.27	210.13	0.80
252KORAD4	166.51	234.14	1.41
2539INDVTGR4	190.40	57.39	0.30
278PADGH4	1359.00	0.00	0.00
312SATPU4	172.52	293.19	1.70
312SATPU4	155.59	264.42	1.70
326KORBW4	131.54	341.80	2.60
326KORBW4	124.62	323.82	2.60
326KORBW4	95.90	249.19	2.60
346BINA4	25.90	23.70	0.92
3506KTPS400	170.00	139.29	0.82
3506KTPS400	160.00	131.10	0.82
3506KTPS400	170.00	139.29	0.82
3532SAGAR4	250.00	252.93	1.01
3532SAGAR4	250.00	252.93	1.01
3570BKSWAR4	150.00	46.25	0.31
3570BKSWAR4	150.00	46.25	0.31
3570BKSWAR4	150.00	46.25	0.31
3570BKSWAR4	150.00	46.25	0.31
4001FARAKKA	180.00	312.19	1.73

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4001FARAKKA	180.00	312.19	1.73
4001FARAKKA	400.00	693.74	1.73
4008CHUKHA2	80.00	32.36	0.40
4008CHUKHA2	80.00	32.36	0.40
4008CHUKHA2	80.00	32.36	0.40
4008CHUKHA2	80.00	32.36	0.40
400KNTPC4	162.29	404.01	2.49
400KNTPC4	161.73	402.62	2.49
400KNTPC4	161.73	402.62	2.49
400KNTPC4	419.63	1044.65	2.49
400KNTPC4	419.63	1044.65	2.49
400KNTPC4	419.63	1044.65	2.49
401VINDH_W4	170.48	443.01	2.60
401VINDH_W4	402.15	1045.03	2.60
401VINDH_W4	170.48	443.01	2.60
401VINDH_W4	170.48	443.01	2.60
401VINDH_W4	170.48	443.01	2.60
401VINDH_W4	170.48	443.01	2.60
401VINDH_W4	170.48	443.01	2.60
401VINDH_W4	170.48	443.01	2.60
401VINDH_W4	402.15	1045.03	2.60
401VINDH_W4	402.15	1045.03	2.60
4020KHALGN4	180.00	396.08	2.20
4020KHALGN4	180.00	396.08	2.20
4020KHALGN4	170.00	374.08	2.20
4020KHALGN4	300.00	660.14	2.20
4020KHALGN4	250.00	550.12	2.20
4025TSTPP4	465.00	470.01	1.01
4027REGLIP	54.00	87.88	1.63
4029JEYPUR4	154.20	0.01	0.00
4039TALA4	180.00	528.29	2.93
4039TALA4	180.00	528.29	2.93
4039TALA4	180.00	528.29	2.93
4039TALA4	180.00	528.29	2.93
4039TALA4	180.00	528.29	2.93
4039TALA4	180.00	528.29	2.93
4067TISTA-V4	170.00	538.54	3.17
4067TISTA-V4	170.00	538.54	3.17
4067TISTA-V4	170.00	538.54	3.17
4071KURICHU	15.00	5.59	0.37
4071KURICHU	15.00	5.59	0.37

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4071KURICHU	10.00	3.73	0.37
407SATNA	105.20	226.94	2.16
410GANCS4	232.90	319.35	1.37
414TAPS4	393.85	210.32	0.53
414TAPS4	305.98	163.40	0.53
426SIPAT7	387.44	1690.53	4.36
426SIPAT7	387.44	1690.53	4.36
432BHATP4	21.00	48.56	2.31
437RAIG4	187.30	615.71	3.29
445MUNDRA4	50.20	216.55	4.31
453PATH4	232.46	573.48	2.47
600DABHOL	201.07	141.68	0.70
600DABHOL	175.70	123.80	0.70
600DABHOL	175.70	123.80	0.70
600DABHOL	88.24	62.17	0.70
602KOY4-4	202.95	95.55	0.47
602KOY4-4	224.97	105.92	0.47
602KOY4-4	217.99	102.63	0.47
602KOY4-4	217.99	102.63	0.47
6602KUMARGAT	40.90	77.22	1.89
6700KTHLGRI	29.00	77.30	2.67
6700KTHLGRI	30.00	79.97	2.67
6700KTHLGRI	30.00	79.97	2.67
6700KTHLGRI	31.00	82.64	2.67
6700KTHLGRI	29.00	77.30	2.67
6700KTHLGRI	29.00	77.30	2.67
6700KTHLGRI	28.00	74.64	2.67
6700KTHLGRI	22.00	58.64	2.67
6708LOKTAK	30.00	15.51	0.52
6712AGTPP	21.00	25.14	1.20
6712AGTPP	21.00	25.14	1.20
6712AGTPP	21.00	25.14	1.20
6712AGTPP	20.00	23.94	1.20
6712AGTPP	19.00	22.74	1.20
6714KHNDNG	21.00	22.81	1.09
691JIN4-B1	203.92	640.30	3.14
691JIN4-B1	203.92	640.30	3.14

7. TABLE X.7: HYBRID METHOD, NEW GRID DEMAND NODAL CHARGES - SUMMER PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
105SOJA4	404	177.65	0.44
130WANAK4	63	0.00	0.00
134ASOJ4	121	103.67	0.86
139CHORN4	369	233.74	0.63
149JET4	744	658.31	0.88
171VAPI4	411	79.61	0.19
185SSP4	167	39.28	0.24
186SUGEN4	307	0.00	0.00
203KALWA4	447	131.98	0.30
225KHARGAR	115	31.95	0.28
228LONI4	771	598.10	0.78
232KARAD4	522	122.75	0.24
240PARLI4	271	221.13	0.82
245CHNDR4	400	102.15	0.26
250DHULE4	482	781.09	1.62
252KORAD4	187	135.39	0.72
262BHUSA4	349	485.71	1.39
263BABLE4	491	557.39	1.14
278PADGH4	411	79.56	0.19
280KOLHAPUR	201	69.79	0.35
281AURBA4	415	556.04	1.34
304INDOR4	700	586.88	0.84
311BHOPA4	540	525.41	0.97
312SATPU4	97	37.05	0.38
321BHI4	575	251.37	0.44
326KORBW4	131	3.04	0.02
346BINA4	50	42.11	0.84
347NAGDA4	571	594.45	1.04
356JEJ4	361	69.26	0.19
367SHOL4	350	436.68	1.25
376MAPUSA4	281	216.77	0.77
401VINDH_W4	68	4.70	0.07
402JAB4	139	97.13	0.70
403ITA4	108	99.25	0.92
404KHAND4	236	322.45	1.37
406DEHGM4	326	208.40	0.64
411RAIPUR	280	101.45	0.36
417BOIS4	391	30.97	0.08

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
427SEONI4	26	25.43	0.98
430RAJ4	178	297.14	1.67
432BHATP4	136	47.77	0.35
445MUNDRA4	53	0.00	0.00
447RANCHDP4	224	217.57	0.97
464AKOL4	151	197.37	1.31
601NKOY4	154	7.73	0.05
653NGTHANE	202	36.02	0.18
701ZERDA	199	133.30	0.67
703AMRELI4	241	262.89	1.09
706KASOR4	107	29.48	0.28
2585MRMNDLI4	212	64.18	0.30
3506KTPS400	203	11.23	0.06
3523JEERAT4	866	249.18	0.29
3532SAGAR4	258	3.21	0.01
3570BKSWAR4	308	0.00	0.00
3571ARAMBAG4	800	210.45	0.26
4001FARAKKA	49	0.00	0.00
4003PARULIA	264	92.38	0.35
4005MAITHON	100	71.03	0.71
4007BHRSHRF	210	103.86	0.49
4009BIRPARA	121	11.54	0.10
4014MALDA4	304	31.25	0.10
4020KHALGN4	60	4.77	0.08
4021PURNEA4	71	57.06	0.80
4022JMSDPUR	203	182.68	0.90
4023RRKELA_4	104	98.59	0.95
4025TSTPP4	450	66.97	0.15
4025TSTPP4	153	22.77	0.15
4027REGLIP	36	7.81	0.22
4031SNGHGON	79	11.00	0.14
4033BINAGRI4	172	44.13	0.26
4037MZFRPR4	201	217.75	1.08
4042BARIPDA4	241	119.10	0.49
4046PUSLI_E4	115	221.67	1.93
4061PATNA_4	92	59.25	0.64
4062RNCHI_4	108	117.61	1.09
4069MALBAS4	38	1.09	0.03
4070MALBAS2	61	8.25	0.14
4074JSPLT-G2	800	304.61	0.38

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4075SUBHAS4	325	177.99	0.55
6602KUMARGAT	5	0.58	0.12
6700KTHLGRI	4	0.00	0.00
6700KTHLGRI	135	0.00	0.00
6701MISA4	94	87.25	0.93
6702MISA2	33	30.48	0.92
6703BLIPRA4	72	145.28	2.02
6706DMPR(P)1	49	107.88	2.20
6707IMPL(P)	58	43.76	0.75
6708LOKTAK	14	8.77	0.63
6709JBM(PG)	3	3.83	1.28
6709JBM(PG)	5	6.38	1.28
6710AIZL(PG)	33	23.41	0.71
6712AGTPP	55	0.00	0.00
6713HAFLONG	7	3.63	0.52
6714KHNDNG	6	0.00	0.00
6717BONG4	79	54.36	0.69
6719SLKT2	189	119.99	0.63
6720KHLT(PG)	63	27.04	0.43
6721BDPR(PG)	13	9.25	0.71
6721BDPR(PG)	25	17.79	0.71
6745RNGNDI4	75	217.96	2.91
6746RNGNDI1	75	218.86	2.92
6751DOYANG1	6	47.58	7.93
12417FATEHA4	104	184.33	1.77
12419DEHAR4	220	50.02	0.23
12420BHIWN4	69	91.11	1.32
12421HISAR4	158	255.17	1.61
12422KISHNPR4	344	361.21	1.05
12423MOGA4	167	330.12	1.98
14409PANIPAT4	349	147.20	0.42
15427BAWANA4	368	360.08	0.98
15428BAMNOL4	627	725.07	1.16
16400MERTA4	200	118.10	0.59
16404KANKRO4	66	79.04	1.20
16406HERAPRA4	549	728.74	1.33
16408RATNGRH4	509	52.18	0.10
16433JODHPUR	167	127.75	0.76
17400AGRAUP4	259	297.58	1.15
17401UNNAO4	44	39.21	0.89

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
17402BARELI4	443	538.33	1.22
17426RISHIKE4	247	426.64	1.73
17427GORAK_UP	40	31.15	0.78
17437LUCKN_UP	56	45.87	0.82
17440MURADAB4	331	507.38	1.53
17445MUZAFRN4	275	327.16	1.19
17446MURADNG4	655	806.25	1.23
17467KASHIPR4	91	154.10	1.69
17468ANPARA4	31	2.38	0.08
17472OBRA4	219	22.11	0.10
17480SARNATH4	151	50.73	0.34
17482AZAMGAR4	131	76.46	0.58
17485SULTANP4	32	18.35	0.57
17486MAU4	89	57.30	0.64
18400WAGORA4	325	484.33	1.49
18401ABDULPR4	238	323.80	1.36
18402NALAGR4	92	160.97	1.75
18404KAITHAL4	96	226.67	2.36
18405MERUT4	422	396.75	0.94
18408AMRITSA	253	489.01	1.93
18417LUDHIA4	165	252.54	1.53
18418JALNDHR4	255	464.73	1.82
18419BALABGR4	276	314.47	1.14
18421BHIWAD4	241	334.61	1.39
18427GORAK_PG	13	18.05	1.39
18428MAHARA4	63	40.43	0.64
18430BASSI4	194	243.88	1.26
18434BHADR4	223	261.64	1.17
18435MANDOLA4	24	22.40	0.93
18436GNOIDA4	510	166.71	0.33
18437LUCKN_PG	76	89.11	1.17
18442PATIALA4	328	565.01	1.72
18462MANPURI4	20	21.27	1.06
18474ALAHBAD4	123	57.91	0.47
18433RIHAND4	1304	0.00	0.00
245CHNDR4	1405	0.00	0.00

8. TABLE X.8: HYBRID METHOD, NEW GRID DEMAND NODAL CHARGES - WINTER PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
105SOJA4	404.40	141.76	0.35
130WANAK4	44.70	0.00	0.00
134ASOJ4	31.60	20.84	0.66
139CHORN4	348.20	163.20	0.47
149JET4	675.70	467.55	0.69
171VAPI4	377.00	62.40	0.17
185SSP4	131.20	0.00	0.00
186SUGEN4	277.00	0.00	0.00
203KALWA4	398.90	104.70	0.26
225KHARGAR	98.90	23.19	0.23
228LONI4	740.80	567.13	0.77
232KARAD4	494.80	116.95	0.24
240PARLI4	245.00	206.21	0.84
245CHNDR4	395.00	94.50	0.24
250DHULE4	436.40	740.50	1.70
252KORAD4	154.50	95.54	0.62
262BHUSA4	332.80	458.63	1.38
263BABLE4	436.20	390.30	0.89
278PADGH4	384.80	55.41	0.14
280KOLHAPUR	191.40	67.26	0.35
281AURBA4	384.90	454.81	1.18
304INDOR4	795.20	706.85	0.89
311BHOPA4	640.10	594.46	0.93
312SATPU4	163.00	85.28	0.52
321BHI4	478.60	196.94	0.41
326KORBW4	97.60	1.88	0.02
346BINA4	89.30	74.06	0.83
347NAGDA4	695.80	746.50	1.07
356JEJ4	347.20	61.76	0.18
367SHOL4	333.10	417.15	1.25
376MAPUSA4	268.70	211.32	0.79
387GWALIOR4	34.20	35.48	1.04
401VINDH_W4	81.97	8.96	0.11
402JAB4	175.90	119.40	0.68
403ITA4	131.00	113.97	0.87
404KHAND4	323.40	456.56	1.41
406DEHGM4	306.40	151.41	0.49

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
411RAIPUR	231.70	79.51	0.34
417BOIS4	373.60	26.58	0.07
427SEONI4	29.80	28.32	0.95
430RAJ4	276.40	396.50	1.43
432BHATP4	100.60	34.21	0.34
445MUNDRA4	36.00	0.00	0.00
447RANCHDP4	204.61	173.94	0.85
464AKOL4	137.10	173.37	1.26
601NKOY4	142.10	7.29	0.05
653NGTHANE	192.90	37.70	0.20
701ZERDA	174.00	94.38	0.54
703AMRELI4	218.00	190.71	0.87
706KASOR4	94.30	21.09	0.22
2585MRMNDLI4	246.40	82.46	0.33
3506KTPS400	125.40	7.93	0.06
3523JEERAT4	763.20	189.23	0.25
3532SAGAR4	211.70	0.00	0.00
3570BKSWAR4	313.20	0.00	0.00
3571ARAMBAG4	718.80	169.20	0.24
4001FARAKKA	61.10	0.34	0.01
4003PARULIA	167.40	58.62	0.35
4007BHRSHRF	210.90	94.27	0.45
4009BIRPARA	104.80	9.77	0.09
4014MALDA4	334.00	32.68	0.10
4020KHALGN4	55.60	4.85	0.09
4021PURNEA4	43.20	29.42	0.68
4022JMSPUR	188.80	154.24	0.82
4023RRKELA_4	141.60	109.12	0.77
4025STPPP4	511.52	112.56	0.22
4025STPPP4	182.60	40.18	0.22
4027RENLIP	56.40	33.58	0.60
4031SNGHGON	79.16	10.37	0.13
4033BINAGRI4	115.00	28.08	0.24
4037MZFRPR4	235.00	214.72	0.91
4042BARIPDA4	289.40	125.14	0.43
4046PUSLI_E4	139.80	225.09	1.61
4061PATNA_4	106.60	61.40	0.58
4062RNCHI_4	88.40	92.23	1.04
4070MALBAS2	60.90	7.75	0.13

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4074JSPLT-G2	852.53	393.45	0.46
4075SUBHAS4	281.40	159.75	0.57
6602KUMARGAT	4.60	0.52	0.11
6700KTHLGRI	3.70	0.00	0.00
6700KTHLGRI	133.80	0.00	0.00
6701MISA4	98.80	90.49	0.92
6702MISA2	34.00	30.99	0.91
6703BLIPRA4	74.30	149.20	2.01
6706DMPR(P)1	48.90	104.90	2.15
6707IMPL(P)	58.30	41.66	0.71
6708LOKTAK	13.60	8.03	0.59
6709JBM(PG)	3.14	3.89	1.24
6709JBM(PG)	5.20	6.44	1.24
6710AIZL(PG)	36.40	25.03	0.69
6712AGTPP	53.20	0.14	0.00
6713HAFLONG	6.54	3.38	0.52
6714KHNDNG	5.55	0.01	0.00
6717BONG4	72.10	49.61	0.69
6719SLKT2	192.80	117.51	0.61
6720KHLT(PG)	67.80	27.71	0.41
6721BDPR(PG)	14.20	9.89	0.70
6721BDPR(PG)	26.20	18.25	0.70
6745RNGNDI4	70.40	207.33	2.95
6746RNGNDI1	70.30	208.10	2.96
6751DOYANG1	6.40	47.57	7.43
12417FATEHA4	77.00	142.95	1.86
12419DEHAR4	190.50	36.82	0.19
12420BHIWN4	52.40	69.71	1.33
12421HISAR4	116.60	197.45	1.69
12422KISHNPR4	397.60	468.23	1.18
12423MOGA4	56.60	117.05	2.07
14409PANIPAT4	281.60	129.45	0.46
15427BAWANA4	429.00	405.55	0.95
15428BAMNOL4	730.50	854.98	1.17
16400MERTA4	201.80	112.72	0.56
16404KANKRO4	109.40	106.76	0.98
16406HERAPRA4	526.00	757.10	1.44
16408RATNGRH4	516.20	51.95	0.10
16433JODHPUR	163.60	119.90	0.73

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
17400AGRAUP4	272.80	313.48	1.15
17401UNNAO4	51.60	45.21	0.88
17402BARELI4	538.20	642.68	1.19
17426RISHIKE4	317.20	510.56	1.61
17427GORAK_UP	46.20	40.14	0.87
17437LUCKN_UP	63.60	50.00	0.79
17440MURADAB4	370.40	562.23	1.52
17445MUZAFRN4	301.80	337.58	1.12
17446MURADNG4	712.40	812.22	1.14
17467KASHIPR4	102.90	170.89	1.66
17468ANPARA4	35.10	2.64	0.08
17472OBRA4	222.40	21.67	0.10
17480SARNATH4	158.20	53.53	0.34
17482AZAMGAR4	134.60	77.71	0.58
17485SULTANP4	34.00	18.69	0.55
17486MAU4	91.20	51.26	0.56
18400WAGORA4	381.30	582.46	1.53
18401ABDULPR4	169.50	237.54	1.40
18402NALAGR4	80.60	173.87	2.16
18404KAITHAL4	64.40	180.93	2.81
18405MERUT4	450.00	487.31	1.08
18408AMRITSA	241.60	519.21	2.15
18417LUDHIA4	124.80	212.73	1.70
18418JALNDHR4	259.80	527.12	2.03
18419BALABGR4	251.20	289.96	1.15
18421BHIWAD4	232.40	336.28	1.45
18425MALERKT4	157.40	261.14	1.66
18427GORAK_PG	24.80	30.73	1.24
18428MAHARA4	100.20	63.78	0.64
18430BASSI4	183.40	246.61	1.34
18434BHADR4	172.90	202.98	1.17
18435MANDOLA4	124.80	110.24	0.88
18436GNOIDA4	523.40	180.33	0.34
18437LUCKN_PG	82.90	94.41	1.14
18442PATIALA4	243.60	489.11	2.01
18462MANPURI4	36.40	37.34	1.03
18474ALAHBAD4	127.20	59.19	0.47
18433RIHAND4	1304.00	0.00	0.00
245CHNDR4	1405.00	0.00	0.00

9. TABLE X.9: HYBRID METHOD, NEW GRID DEMAND NODAL CHARGES - MONSOON PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
105SOJA4	407.00	199.89	0.49
130WANAK4	61.80	0.00	0.00
134ASOJ4	106.80	96.28	0.90
139CHORN4	370.80	233.99	0.63
149JET4	748.30	671.38	0.90
171VAPI4	399.20	81.52	0.20
185SSP4	153.90	22.44	0.15
186SUGEN4	316.90	0.00	0.00
203KALWA4	373.40	114.95	0.31
225KHARGAR	89.50	25.27	0.28
228LONI4	714.30	575.93	0.81
232KARAD4	481.40	122.26	0.25
240PARLI4	208.40	198.21	0.95
245CHNDR4	326.90	88.20	0.27
250DHULE4	447.10	873.49	1.95
252KORAD4	102.80	85.62	0.83
262BHUSA4	313.40	507.08	1.62
263BABLE4	444.80	478.17	1.08
278PADGH4	371.70	64.65	0.17
280KOLHAPUR	187.10	70.06	0.37
281AURBA4	381.30	527.07	1.38
304INDOR4	597.70	567.73	0.95
311BHOPA4	429.60	523.80	1.22
312SATPU4	61.10	23.06	0.38
321BHI4	570.50	302.50	0.53
326KORBW4	121.20	2.86	0.02
346BINA4	19.70	20.98	1.07
347NAGDA4	497.70	609.77	1.23
356JEJ4	337.50	61.97	0.18
367SHOL4	324.60	437.75	1.35
376MAPUSA4	262.60	218.09	0.83
401VINDH_W4	55.46	6.12	0.11
402JAB4	73.00	67.07	0.92
403ITA4	69.60	78.82	1.13
404KHAND4	190.70	318.36	1.67

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
406DEHGM4	329.90	225.37	0.68
411RAIPUR	268.60	115.73	0.43
417BOIS4	328.80	31.10	0.09
427SEONI4	21.80	25.34	1.16
430RAJ4	147.00	299.00	2.03
432BHATP4	136.40	57.80	0.42
445MUNDRA4	51.00	0.00	0.00
447RANCHDP4	224.72	228.47	1.02
464AKOL4	138.50	211.14	1.52
601NKOY4	134.10	7.97	0.06
653NGTHANE	188.30	42.44	0.23
701ZERDA	200.80	166.09	0.83
703AMRELI4	242.60	277.16	1.14
706KASOR4	107.70	28.35	0.26
2585MRMNDLI4	247.60	75.63	0.31
3506KTSPS400	446.40	42.71	0.10
3523JEERAT4	750.00	277.23	0.37
3532SAGAR4	267.60	5.45	0.02
3570BKSWAR4	171.30	0.00	0.00
3571ARAMBAG4	717.90	193.49	0.27
4001FARAKKA	44.70	0.00	0.00
4003PARULIA	304.00	108.64	0.36
4005MAITHON	178.80	152.95	0.86
4007BHRSHRF	321.30	243.13	0.76
4009BIRPARA	167.60	15.49	0.09
4014MALDA4	97.80	31.33	0.32
4020KHALGN4	77.20	9.53	0.12
4021PURNEA4	168.00	81.51	0.49
4022JMSPUR	235.20	216.02	0.92
4023RRKELA_4	148.00	114.95	0.78
4025TSTPP4	534.04	100.88	0.19
4025TSTPP4	182.40	34.45	0.19
4027REGLIP	34.60	8.80	0.25
4031SNHGON	82.65	11.43	0.14
4033BINAGRI4	219.00	41.89	0.19
4037MZFRPR4	232.00	176.94	0.76
4042BARIPDA4	246.40	101.11	0.41
4046PUSLI_E4	126.80	260.74	2.06
4061PATNA_4	105.40	96.71	0.92

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4062RNCHI_4	176.00	188.41	1.07
4069MALBAS4	43.20	1.05	0.02
4070MALBAS2	63.58	8.55	0.13
4074JSPLT-G2	890.06	333.77	0.37
4075SUBHAS4	296.80	181.78	0.61
6602KUMARGAT	4.00	0.39	0.10
6700KTHLGR1	4.90	5.91	1.21
6700KTHLGR1	266.10	320.71	1.21
6701MISA4	0.80	3.49	4.37
6702MISA2	41.40	28.02	0.68
6703BLIPRA4	14.90	26.87	1.80
6706DMPR(P)1	79.50	92.92	1.17
6707IMPL(P)	62.20	28.03	0.45
6708LOKTAK	14.60	4.16	0.28
6709JBM(PG)	3.35	4.24	1.27
6709JBM(PG)	5.30	6.71	1.27
6710AIZL(PG)	42.30	26.78	0.63
6712AGTPP	49.20	0.00	0.00
6713HAFLONG	6.64	6.29	0.95
6714KHNDNG	5.64	0.00	0.00
6717BONG4	59.90	42.30	0.71
6719SLKT2	146.00	91.98	0.63
6720KHLT(PG)	73.80	34.70	0.47
6721BDPR(PG)	13.30	9.18	0.69
6721BDPR(PG)	34.10	23.54	0.69
6745RNGNDI4	82.10	215.34	2.62
6746RNGNDI1	81.90	215.78	2.63
6751DOYANG1	11.40	49.30	4.32
12417FATEHA4	248.40	397.00	1.60
12419DEHAR4	151.50	0.00	0.00
12420BHIWN4	219.60	207.91	0.95
12421HISAR4	260.60	346.06	1.33
12422KISHNPR4	314.00	98.82	0.31
12423MOGA4	556.40	437.19	0.79
14409PANIPAT4	374.00	177.50	0.47
15427BAWANA4	483.90	400.12	0.83
15428BAMNOL4	825.30	967.04	1.17
16400MERTA4	183.60	169.66	0.92
16404KANKRO4	72.40	110.59	1.53

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
16406HERAPRA4	525.70	937.64	1.78
16408RATNGRH4	412.60	51.54	0.12
16433JODHPUR	160.00	177.31	1.11
17400AGRAUP4	280.40	399.35	1.42
17401UNNAO4	71.60	73.69	1.03
17402BARELI4	270.00	385.96	1.43
17426RISHIKE4	174.20	215.97	1.24
17427GORAK_UP	39.50	68.66	1.74
17437LUCKN_UP	77.20	78.44	1.02
17440MURADAB4	330.80	590.09	1.78
17445MUZAFRN4	304.00	65.03	0.21
17446MURADNG4	693.50	879.57	1.27
17466PANKI4	2.20	1.96	0.89
17467KASHIPR4	95.70	188.26	1.97
17468ANPARA4	23.40	2.47	0.11
17472OBRA4	186.80	20.97	0.11
17480SARNATH4	157.20	69.01	0.44
17482AZAMGAR4	131.40	103.01	0.78
17485SULTANP4	30.40	21.81	0.72
17486MAU4	89.20	72.08	0.81
18400WAGORA4	319.50	77.94	0.24
18401ABDULPR4	537.00	254.34	0.47
18402NALAGRH4	121.80	109.83	0.90
18404KAITHAL4	273.60	313.22	1.14
18405MERUT4	564.30	93.02	0.16
18408AMRITSA	284.60	108.93	0.38
18417LUDHIA4	222.20	148.17	0.67
18418JALNDHR4	286.20	85.47	0.30
18419BALABGR4	495.20	618.11	1.25
18421BHIWAD4	273.20	383.69	1.40
18425MALERKT4	336.80	332.34	0.99
18427GORAK_PG	23.20	34.17	1.47
18428MAHARA4	238.40	66.84	0.28
18430BASSI4	197.80	337.69	1.71
18434BHADRG4	272.30	266.96	0.98
18435MANDOLA4	242.80	198.04	0.82
18436GNOIDA4	511.00	66.14	0.13
18437LUCKN_PG	78.90	106.42	1.35
18442PATIALA4	417.60	449.48	1.08

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
18462MANPURI4	84.40	108.28	1.28
18474ALAHBAD4	111.60	68.72	0.62
18433RIHAND4	1304.00	0.00	0.00
245CHNDR4	1405.00	0.00	0.00

10. TABLE X.10: HYBRID METHOD, NEW GRID DEMAND NODAL CHARGES - SUMMER OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
105SOJA4	376.90	323.73	0.86
130WANAK4	59.80	0.00	0.00
134ASOJ4	96.30	205.79	2.14
139CHORN4	356.10	593.05	1.67
149JET4	727.10	1589.27	2.19
171VAPI4	375.80	201.00	0.53
185SSP4	141.70	248.89	1.76
186SUGEN4	308.00	0.00	0.00
203KALWA4	360.20	194.59	0.54
225KHARGAR	94.10	45.00	0.48
228LONI4	699.50	1090.81	1.56
232KARAD4	543.40	264.31	0.49
240PARLI4	189.70	329.30	1.74
245CHNDR4	333.40	158.01	0.47
250DHULE4	391.90	1444.36	3.69
252KORAD4	81.80	105.63	1.29
262BHUSA4	301.80	857.64	2.84
263BABLE4	405.60	676.09	1.67
278PADGH4	365.00	102.18	0.28
280KOLHAPUR	191.60	139.59	0.73
281AURBA4	360.70	833.67	2.31
304INDOR4	567.20	1222.91	2.16
311BHOPA4	437.00	891.94	2.04
312SATPU4	137.80	206.55	1.50
321BHI4	519.70	455.63	0.88
326KORBW4	72.30	2.18	0.03
346BINA4	34.60	59.50	1.72

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
347NAGDA4	516.70	1249.80	2.42
356JEJ4	331.50	127.74	0.39
367SHOL4	313.10	826.19	2.64
376MAPUSA4	253.40	422.93	1.67
401VINDH_W4	52.75	13.95	0.26
402JAB4	37.70	57.22	1.52
403ITA4	104.00	205.97	1.98
404KHAND4	230.90	679.75	2.94
406DEHGM4	322.10	393.56	1.22
411RAIPUR	255.40	179.42	0.70
417BOIS4	358.60	46.46	0.13
427SEONI4	19.00	38.08	2.00
430RAJ4	141.40	503.25	3.56
432BHATP4	108.20	82.75	0.76
445MUNDRA4	45.70	0.00	0.00
447RANCHDP4	219.47	416.90	1.90
464AKOL4	117.20	310.82	2.65
601NKOY4	217.40	22.36	0.10
653NGTHANE	178.80	72.65	0.41
701ZERDA	182.60	209.73	1.15
703AMRELI4	234.40	617.33	2.63
706KASOR4	88.30	82.93	0.94
2585MRMNDLI4	209.00	105.12	0.50
3506KTPS400	106.20	0.00	0.00
3523JEERAT4	715.80	358.41	0.50
3532SAGAR4	205.40	0.00	0.00
3570BKSWAR4	285.30	0.00	0.00
3571ARAMBAG4	586.50	367.13	0.63
4001FARAKKA	52.80	0.92	0.02
4003PARULIA	107.40	112.73	1.05
4005MAITHON	36.40	84.21	2.31
4007BHRSHRF	168.90	161.96	0.96
4014MALDA4	378.80	69.44	0.18
4020KHALGN4	43.60	10.11	0.23
4021PURNEA4	8.80	37.85	4.30
4022JMSPUR	163.40	369.32	2.26
4023RRKELA_4	85.40	166.23	1.95
4025TSTPP4	400.00	80.74	0.20
4025TSTPP4	156.40	31.57	0.20

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4027REGLIP	53.80	29.27	0.54
4031SNGHGON	79.16	49.57	0.63
4033BINAGRI4	148.80	122.25	0.82
4037MZFRPR4	185.40	463.37	2.50
4042BARIPDA4	216.80	277.03	1.28
4046PUSLI_E4	115.40	442.16	3.83
4061PATNA_4	84.80	103.06	1.22
4062RNCHI_4	88.80	199.59	2.25
4069MALBAS4	44.90	3.51	0.08
4070MALBAS2	60.90	37.65	0.62
4074JSPLT-G2	350.00	672.54	1.92
4075SUBHAS4	263.40	360.36	1.37
6602KUMARGAT	3.92	0.95	0.24
6700KTHLGRI	3.20	0.00	0.00
6700KTHLGRI	92.30	0.00	0.00
6701MISA4	48.20	436.28	9.05
6702MISA2	36.00	225.76	6.27
6703BLIPRA4	40.00	181.40	4.53
6706DMPR(P)1	38.50	219.34	5.70
6707IMPL(P)	38.90	67.17	1.73
6708LOKTAK	9.10	10.21	1.12
6709JBM(PG)	2.10	5.11	2.43
6709JBM(PG)	3.40	8.28	2.43
6710AIZL(PG)	26.80	34.43	1.28
6712AGTPP	58.40	0.00	0.00
6713HAFLONG	5.28	15.24	2.89
6714KHNDNG	4.48	0.62	0.14
6717BONG4	85.30	156.94	1.84
6719SLKT2	127.60	238.47	1.87
6720KHLT(PG)	59.50	123.74	2.08
6721BDPR(PG)	8.40	12.68	1.51
6745RNGNDI4	58.60	397.25	6.78
6746RNGNDI1	58.40	396.95	6.80
6751DOYANG1	4.70	95.33	20.28
12417FATEHA4	54.60	188.93	3.46
12419DEHAR4	250.50	216.66	0.86
12420BHIWN4	13.30	38.17	2.87
12421HISAR4	154.40	483.96	3.13
12422KISHNPR4	347.80	1209.98	3.48

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
12423MOGA4	164.50	639.36	3.89
14409PANIPAT4	348.00	285.79	0.82
15427BAWANA4	297.60	610.54	2.05
15428BAMNOL4	506.40	1251.80	2.47
16400MERTA4	206.10	213.49	1.04
16404KANKRO4	125.40	248.69	1.98
16406HERAPRA4	589.90	1627.08	2.76
16408RATNGRH4	516.00	102.73	0.20
16433JODHPUR	177.80	242.15	1.36
17400AGRAUP4	266.20	618.92	2.33
17401UNNAO4	46.60	86.55	1.86
17402BARELI4	420.20	1054.62	2.51
17426RISHIKE4	224.20	823.53	3.67
17427GORAK_UP	41.00	60.86	1.48
17437LUCKN_UP	58.40	98.41	1.69
17440MURADAB4	314.00	987.56	3.15
17445MUZAFRN4	264.80	663.84	2.51
17446MURADNG4	644.70	1679.73	2.61
17467KASHIPR4	80.70	281.06	3.48
17468ANPARA4	32.10	5.77	0.18
17472OBRA4	220.60	47.65	0.22
17480SARNATH4	150.60	104.66	0.69
17482AZAMGAR4	131.40	149.74	1.14
17485SULTANP4	35.80	41.06	1.15
17486MAU4	89.20	107.77	1.21
18400WAGORA4	298.20	1218.08	4.08
18401ABDULPR4	199.80	572.61	2.87
18402NALAGR4	78.40	394.35	5.03
18404KAITHAL4	68.80	287.85	4.18
18405MERUT4	385.20	944.78	2.45
18408AMRITSA	242.20	1017.43	4.20
18417LUDHIA4	190.00	621.11	3.27
18418JALNDHR4	257.00	1019.22	3.97
18419BALABGR4	221.20	541.67	2.45
18421BHIWAD4	217.00	621.88	2.87
18425MALERKT4	292.00	935.42	3.20
18427GORAK_PG	10.60	31.53	2.97
18428MAHARA4	66.60	83.34	1.25
18430BASSI4	209.80	540.12	2.57

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
18434BHADR4	239.40	565.43	2.36
18435MANDOLA4	19.20	37.59	1.96
18436GNOIDA4	511.00	403.96	0.79
18437LUCKN_PG	78.20	191.50	2.45
18442PATIALA4	419.00	1803.38	4.30
18462MANPURI4	14.00	30.65	2.19
18474ALAHBAD4	124.20	126.66	1.02
18433RIHAND4	1304.00	0.00	0.00
245CHNDR4	1405.00	0.00	0.00

11. TABLE X.11: HYBRID METHOD, NEW GRID DEMAND NODAL CHARGES - WINTER OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
105SOJA4	352.00	302.86	0.86
130WANAK4	70.00	0.00	0.00
134ASOJ4	72.00	151.05	2.10
139CHORN4	262.00	430.78	1.64
149JET4	487.00	1074.21	2.21
171VAPI4	280.00	404.67	1.45
185SSP4	106.00	106.81	1.01
186SUGEN4	166.00	0.00	0.00
203KALWA4	190.00	87.11	0.46
225KHARGAR	63.00	27.61	0.44
228LONI4	600.00	644.61	1.07
232KARAD4	485.00	241.46	0.50
240PARLI4	349.00	1041.36	2.98
245CHNDR4	240.00	395.81	1.65
250DHULE4	343.00	1181.99	3.45
252KORAD4	44.00	67.97	1.54
262BHUSA4	254.00	802.99	3.16
263BABLE4	347.00	563.05	1.62
278PADGH4	238.00	50.44	0.21
280KOLHAPUR	170.00	130.20	0.77
281AURBA4	322.00	725.00	2.25
304INDOR4	657.00	1594.69	2.43
311BHOPA4	512.00	1187.36	2.32

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
312SATPU4	186.00	294.00	1.58
321BHI4	303.00	267.83	0.88
346BINA4	7.00	14.72	2.10
347NAGDA4	605.00	1683.56	2.78
356JEJ4	294.00	91.89	0.31
367SHOL4	295.00	718.57	2.44
376MAPUSA4	225.00	406.27	1.81
401VINDH_W4	63.00	24.26	0.39
402JAB4	23.00	40.59	1.76
403ITA4	120.00	268.11	2.23
404KHAND4	282.00	878.82	3.12
406DEHGM4	278.00	382.46	1.38
411RAIPUR	146.00	122.43	0.84
417BOIS4	290.00	41.96	0.14
427SEONI4	20.00	38.72	1.94
430RAJ4	202.00	752.11	3.72
432BHATP4	2.00	1.60	0.80
447RANCHDP4	152.00	354.69	2.33
464AKOL4	109.00	316.10	2.90
601NKOY4	194.00	22.88	0.12
653NGTHANE	158.00	63.17	0.40
701ZERDA	124.00	161.90	1.31
703AMRELI4	165.00	438.06	2.65
706KASOR4	72.00	65.61	0.91
2585MRMNDLI4	174.00	60.40	0.35
3506KTPS400	9.00	0.00	0.00
3523JEERAT4	537.00	399.55	0.74
3532SAGAR4	118.00	0.00	0.00
3570BKSWAR4	309.00	0.00	0.00
3571ARAMBAG4	459.00	264.28	0.58
4001FARAKKA	62.00	3.50	0.06
4007BHRSHRF	106.00	132.83	1.25
4014MALDA4	368.00	82.73	0.22
4020KHALGN4	37.00	15.87	0.43
4022JMSDPUR	141.00	223.84	1.59
4023RRKELA_4	34.00	71.38	2.10
4025TSTPP4	400.00	0.00	0.00
4025TSTPP4	130.00	0.00	0.00
4027RENLIP	52.00	60.25	1.16

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4031SNGHGON	79.00	52.46	0.66
4033BINAGRI4	64.00	66.39	1.04
4037MZFRPR4	184.00	467.28	2.54
4042BARIPDA4	214.00	143.48	0.67
4046PUSLI_E4	137.00	498.45	3.64
4061PATNA_4	84.00	125.90	1.50
4062RNCHI_4	28.00	52.69	1.88
4069MALBAS4	34.00	3.55	0.10
4070MALBAS2	61.00	40.04	0.66
4074JSPLT-G2	350.00	674.13	1.93
4075SUBHAS4	187.00	229.55	1.23
6602KUMARGAT	4.00	0.93	0.23
6700KTHLGRI	3.00	0.00	0.00
6700KTHLGRI	84.00	0.00	0.00
6701MISA4	22.00	149.10	6.78
6702MISA2	28.00	189.55	6.77
6703BLIPRA4	21.00	163.38	7.78
6706DMPR(P)1	43.00	223.04	5.19
6707IMPL(P)	37.00	52.91	1.43
6708LOKTAK	9.00	7.19	0.80
6709JBM(PG)	2.00	6.16	3.08
6709JBM(PG)	2.00	6.16	3.08
6710AIZL(PG)	30.00	46.55	1.55
6712AGTPP	57.00	0.01	0.00
6713HAFLONG	5.00	17.91	3.58
6714KHNDNG	4.00	0.16	0.04
6717BONG4	60.00	147.73	2.46
6719SLKT2	99.00	231.09	2.33
6720KHLT(PG)	60.00	95.53	1.59
6721BDPR(PG)	10.00	15.67	1.57
6721BDPR(PG)	23.00	36.05	1.57
6745RNGNDI4	51.00	527.63	10.35
6746RNGNDI1	51.00	528.83	10.37
6751DOYANG1	5.00	93.57	18.71
12417FATEHA4	112.00	516.67	4.61
12419DEHAR4	116.00	123.24	1.06
12420BHIWN4	65.00	218.25	3.36
12421HISAR4	147.00	606.08	4.12
12422KISHNPR4	318.00	1357.23	4.27

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
14409PANIPAT4	160.00	213.94	1.34
15427BAWANA4	219.00	511.94	2.34
15428BAMNOL4	372.00	1015.59	2.73
16400MERTA4	219.00	312.48	1.43
16404KANKRO4	158.00	351.68	2.23
16406HERAPRA4	597.00	2252.54	3.77
16408RATNGRH4	489.00	96.95	0.20
16433JODHPUR	208.00	355.56	1.71
17400AGRAUP4	233.00	828.56	3.56
17401UNNAO4	63.00	174.70	2.77
17402BARELI4	342.00	1232.99	3.61
17426RISHIKE4	165.00	786.63	4.77
17427GORAK_UP	38.00	135.19	3.56
17437LUCKN_UP	75.00	172.96	2.31
17440MURADAB4	260.00	1136.88	4.37
17445MUZAFRN4	232.00	612.81	2.64
17446MURADNG4	555.00	1675.36	3.02
17467KASHIPR4	65.00	311.87	4.80
17468ANPARA4	9.00	2.07	0.23
17472OBRA4	167.00	18.67	0.11
17480SARNATH4	140.00	144.05	1.03
17482AZAMGAR4	122.00	313.58	2.57
17485SULTANP4	19.00	38.09	2.00
17486MAU4	83.00	189.01	2.28
18400WAGORA4	316.00	1468.51	4.65
18401ABDULPR4	144.00	484.09	3.36
18402NALAGRH4	52.00	330.16	6.35
18404KAITHAL4	111.00	691.88	6.23
18405MERUT4	361.00	952.70	2.64
18408AMRITSA	148.00	766.52	5.18
18417LUDHIA4	83.00	362.61	4.37
18418JALNDHR4	135.00	648.52	4.80
18419BALABGR4	91.00	242.16	2.66
18421BHIWAD4	253.00	806.13	3.19
18425MALERKT4	95.00	407.54	4.29
18427GORAK_PG	19.00	61.50	3.24
18430BASSI4	226.00	807.94	3.57
18434BHADR4	211.00	604.45	2.86
18435MANDOLA4	8.00	18.04	2.25

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
18436GNOIDA4	474.00	340.10	0.72
18437LUCKN_PG	86.00	286.58	3.33
18442PATIALA4	169.00	949.82	5.62
18462MANPURI4	3.00	8.24	2.75
18474ALAHBAD4	100.00	139.33	1.39
18433RIHAND4	1304.00	0.00	0.00
245CHNDR4	1405.00	0.00	0.00

12. TABLE X.12: HYBRID METHOD, NEW GRID DEMAND NODAL CHARGES - MONSOON OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
105SOJA4	235.00	264.19	1.12
130WANAK4	51.00	0.00	0.00
134ASOJ4	22.00	42.60	1.94
139CHORN4	229.00	352.80	1.54
149JET4	467.00	989.85	2.12
171VAPI4	213.00	153.67	0.72
185SSP4	58.00	43.66	0.75
186SUGEN4	49.00	1.01	0.02
203KALWA4	385.00	250.32	0.65
225KHARGAR	101.00	63.23	0.63
228LONI4	645.00	992.36	1.54
232KARAD4	490.00	267.55	0.55
240PARLI4	302.00	780.33	2.58
245CHNDR4	268.00	314.14	1.17
250DHULE4	428.00	1661.47	3.88
252KORAD4	157.00	282.87	1.80
262BHUSA4	334.00	1218.38	3.65
263BABLE4	423.00	1110.58	2.63
278PADGH4	339.00	147.67	0.44
280KOLHAPUR	180.00	144.79	0.80
281AURBA4	353.00	1137.35	3.22
304INDOR4	555.00	1695.00	3.05
311BHOPA4	580.00	1395.96	2.41
312SATPU4	5.00	5.03	1.01
321BHI4	264.00	299.39	1.13

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
347NAGDA4	508.00	1709.87	3.37
356JEJ4	305.00	139.15	0.46
367SHOL4	312.00	1001.11	3.21
376MAPUSA4	243.00	437.00	1.80
387GWALIOR4	124.00	369.69	2.98
401VINDH_W4	72.00	15.82	0.22
402JAB4	71.00	123.43	1.74
403ITA4	87.00	208.76	2.40
404KHAND4	122.00	422.73	3.47
406DEHGM4	169.00	294.15	1.74
411RAIPUR	89.00	102.01	1.15
417BOIS4	300.00	75.51	0.25
427SEONI4	25.00	60.77	2.43
430RAJ4	167.00	725.30	4.34
447RANCHDP4	148.00	406.22	2.74
464AKOL4	148.00	489.94	3.31
601NKOY4	164.00	15.84	0.10
653NGTHANE	172.00	112.83	0.66
701ZERDA	140.00	331.31	2.37
703AMRELI4	157.00	400.27	2.55
706KASOR4	24.00	18.31	0.76
2585MRMNDLI4	87.00	129.70	1.49
3506KTPS400	133.00	0.00	0.00
3523JEERAT4	504.00	608.04	1.21
3532SAGAR4	202.00	0.00	0.00
3570BKSWAR4	153.00	0.00	0.00
3571ARAMBAG4	401.00	462.70	1.15
4001FARAKKA	31.00	0.90	0.03
4003PARULIA	180.00	187.10	1.04
4005MAITHON	179.00	303.88	1.70
4007BHRSRHF	334.00	501.83	1.50
4009BIRPARA	144.00	26.36	0.18
4014MALDA4	18.00	62.34	3.46
4020KHALGN4	86.00	10.17	0.12
4021PURNEA4	198.00	175.97	0.89
4022JMSDPUR	205.00	477.97	2.33
4023RRKELA_4	58.00	117.63	2.03
4025TSTPP4	420.00	515.09	1.23
4025TSTPP4	57.00	69.90	1.23

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
4031SNGHGON	65.00	15.95	0.25
4033BINAGRI4	154.00	56.95	0.37
4037MZFRPR4	212.00	293.55	1.38
4042BARIPDA4	198.00	229.86	1.16
4046PUSLI_E4	112.00	494.31	4.41
4061PATNA_4	108.00	197.89	1.83
4062RNCHI_4	135.00	356.70	2.64
4069MALBAS4	35.00	1.72	0.05
4070MALBAS2	50.00	11.79	0.24
4074JSPLT-G2	700.00	1011.73	1.45
4075SUBHAS4	194.00	333.85	1.72
6602KUMARGAT	3.00	0.92	0.31
6700KTHLGRI	3.00	0.01	0.00
6701MISA4	90.00	330.48	3.67
6702MISA2	42.00	72.39	1.72
6703BLIPRA4	70.00	264.01	3.77
6706DMPR(P)1	51.00	207.52	4.07
6707IMPL(P)	56.00	187.72	3.35
6708LOKTAK	13.00	29.27	2.25
6709JBM(PG)	3.00	9.72	3.24
6709JBM(PG)	3.00	9.72	3.24
6710AIZL(PG)	33.00	52.29	1.58
6712AGTPP	50.00	0.00	0.00
6713HAFLONG	5.00	16.34	3.27
6714KHNDNG	4.00	9.27	2.32
6717BONG4	45.00	66.42	1.48
6719SLKT2	178.00	202.18	1.14
6720KHLT(PG)	41.00	123.07	3.00
6721BDPR(PG)	9.00	16.52	1.84
6745RNGNDI4	57.00	347.59	6.10
6746RNGNDI1	57.00	348.75	6.12
6751DOYANG1	9.00	106.73	11.86
12417FATEHA4	53.00	213.22	4.02
12419DEHAR4	128.00	6.91	0.05
12420BHIWN4	81.00	222.92	2.75
12421HISAR4	83.00	282.12	3.40
12422KISHNPR4	223.00	147.83	0.66
12423MOGA4	194.00	986.69	5.09
14409PANIPAT4	235.00	303.41	1.29

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
15427BAWANA4	300.00	639.02	2.13
15428BAMNOL4	510.00	1493.25	2.93
16400MERTA4	162.00	188.12	1.16
16404KANKRO4	40.00	156.18	3.90
16406HERAPRA4	396.00	1666.15	4.21
16408RATNGRH4	436.00	90.78	0.21
16433JODHPUR	188.00	277.18	1.47
17400AGRAUP4	260.00	892.88	3.43
17401UNNAO4	63.00	151.10	2.40
17402BARELI4	296.00	1010.00	3.41
17426RISHIKE4	113.00	400.31	3.54
17427GORAK_UP	48.00	154.96	3.23
17437LUCKN_UP	69.00	160.17	2.32
17440MURADAB4	289.00	1232.66	4.27
17445MUZAFRN4	261.00	217.52	0.83
17446MURADNG4	512.00	1293.60	2.53
17467KASHIPR4	73.00	352.05	4.82
17468ANPARA4	69.00	1.60	0.02
17472OBRA4	125.00	11.09	0.09
17480SARNATH4	128.00	113.38	0.89
17482AZAMGAR4	120.00	206.45	1.72
17485SULTANP4	53.00	82.75	1.56
17486MAU4	81.00	146.07	1.80
18400WAGORA4	223.00	516.09	2.31
18401ABDULPR4	49.00	94.49	1.93
18402NALAGR4	70.00	242.40	3.46
18404KAITHAL4	11.00	48.53	4.41
18405MERUT4	425.00	595.50	1.40
18408AMRITSA	169.00	808.98	4.79
18417LUDHIA4	122.00	426.81	3.50
18418JALNDHR4	157.00	702.68	4.48
18419BALABGR4	178.00	509.43	2.86
18421BHIWAD4	214.00	702.18	3.28
18425MALERKT4	185.00	599.30	3.24
18427GORAK_PG	43.00	118.82	2.76
18428MAHARA4	115.00	99.83	0.87
18430BASSI4	160.00	648.78	4.05
18434BHADR4	89.00	237.19	2.67
18435MANDOLA4	315.00	572.96	1.82

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
18436GNOIDA4	465.00	217.46	0.47
18437LUCKN_PG	74.00	220.60	2.98
18442PATIALA4	267.00	1071.40	4.01
18462MANPURI4	36.00	111.37	3.09
18474ALAHBAD4	71.00	100.41	1.41
18433RIHAND4	1304.00	0.00	0.00
245CHNDR4	1405.00	0.00	0.00

13. TABLE X.13: HYBRID METHOD, SR GRID GENERATION NODAL CHARGES - SUMMER PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	204.00	67.21	0.33
7002RGMG2	198.00	65.09	0.33
7003RGMG3	200.00	65.80	0.33
7004RGMG4	527.00	168.71	0.32
7005RGMG5	522.00	167.04	0.32
7006RGMG6	520.00	166.36	0.32
7007RGMG7	489.00	155.96	0.32
7008SIMG1	486.00	390.33	0.80
7009SIMG2	488.00	392.02	0.80
7010SLBG1	150.00	47.62	0.32
7011SLBG2	150.00	47.62	0.32
7012SLBG3	150.00	47.62	0.32
7013SLBG4	150.00	47.62	0.32
7014SLBG5	150.00	47.62	0.32
7015SLBG6	150.00	47.62	0.32
7016RTPG4	204.00	70.94	0.35
7017RTPG5	202.00	70.16	0.35
7018RTPG6	206.00	71.71	0.35
7019RTPG7	204.00	70.94	0.35
7020NLYII-4	198.72	86.91	0.44
7021NLYII-5	198.72	86.91	0.44
7022NLYII-6	198.72	86.91	0.44
7023NLYII-7	198.72	86.91	0.44

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7024NLY-IEG1	197.00	148.96	0.76
7025NLY-IEG2	191.00	143.44	0.75
7191KSGG3	180.00	125.78	0.70
7192KSGG4	180.00	125.75	0.70
7193BTPG4	400.00	236.48	0.59
7512TPL4	384.60	292.09	0.76
7547TRNVELLI	341.30	121.38	0.36
7526TLG4	266.00	203.82	0.77
7521KGS4	202.40	142.47	0.70
7534MDI4	132.40	479.97	3.63
7507VEM4	116.00	158.68	1.37
7508NNA4	5.80	5.60	0.96
7503KHM4	3.20	1.62	0.51
7505GZW4	900.00	0.00	0.00
7530KLR4	1900.00	0.00	0.00

14. TABLE X.14: HYBRID METHOD, SR GRID GENERATION NODAL CHARGES - WINTER PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	204	66.2069	0.324544
7002RGMG2	198	64.1146	0.323811
7003RGMG3	200	64.8122	0.324061
7004RGMG4	527	166.321	0.315599
7005RGMG5	522	164.667	0.315454
7006RGMG6	520	164.002	0.315388
7007RGMG7	489	153.718	0.314351
7008SIMG1	486	403.157	0.829542
7009SIMG2	488	404.91	0.829734
7010SLBG1	125	39.1208	0.312967
7011SLBG2	125	39.1208	0.312967
7012SLBG3	125	39.1208	0.312967
7013SLBG4	125	39.1208	0.312967
7014SLBG5	120	37.5496	0.312913
7015SLBG6	120	37.5496	0.312913
7016RTPG4	204	88.825	0.435417

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7017RTPG5	202	87.7932	0.43462
7018RTPG6	206	89.8567	0.436198
7019RTPG7	204	88.825	0.435417
7020NLYII-4	176.572	60.2828	0.341407
7021NLYII-5	176.572	60.2828	0.341407
7022NLYII-6	176.572	60.2828	0.341407
7023NLYII-7	176.572	60.2828	0.341407
7024NLY-IEG1	197	64.9932	0.329915
7025NLY-IEG2	191	62.7497	0.328532
7191KGS3	180	138.243	0.768015
7192KGS4	180	138.213	0.767848
7193BTPG4	400	152.557	0.381392
7507VEM4	117.2	170.861	1.45785
7508NNA4	4.7	4.90354	1.04331
7512TPL4	253.5	255.699	1.00867
7521KGS4	116.4	90.033	0.77348
7526TLG4	267.8	205.566	0.767609
7534MDI4	147	61.9434	0.421384
7547TRNVELLI	324.2	263.312	0.812191
7505GZW4	800	0	0
7530KLR4	1600	0	0

15. TABLE X.15: HYBRID METHOD, SR GRID GENERATION NODAL CHARGES - MONSOON PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	204	65.23	0.32
7002RGMG2	198	63.17	0.32
7003RGMG3	200	63.86	0.32
7004RGMG4	527	163.89	0.31
7005RGMG5	522	162.26	0.31
7006RGMG6	520	161.60	0.31
7007RGMG7	489	151.43	0.31
7008SIMG1	486	404.53	0.83
7009SIMG2	488	406.29	0.83
7010SLBG1	125	38.74	0.31

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7011SLBG2	125	38.74	0.31
7012SLBG3	125	38.74	0.31
7013SLBG4	125	38.74	0.31
7014SLBG5	120	37.19	0.31
7015SLBG6	120	37.19	0.31
7016RTPG4	204	83.00	0.41
7017RTPG5	202	82.11	0.41
7018RTPG6	206	83.88	0.41
7019RTPG7	204	83.00	0.41
7020NLYII-4	132.342	61.51	0.46
7021NLYII-5	132.342	61.51	0.46
7022NLYII-6	132.342	61.51	0.46
7023NLYII-7	132.342	61.51	0.46
7024NLY-IEG1	197	147.98	0.75
7025NLY-IEG2	191	142.48	0.75
7191KSGG3	180	102.37	0.57
7192KSGG4	180	102.36	0.57
7193BTPG4	400	131.90	0.33
7512TPL4	342.3	352.38	1.03
7547TRNVELLI	333.8	120.12	0.36
7526TLG4	297.6	223.37	0.75
7521KGS4	138.4	78.52	0.57
7534MDI4	130.6	421.77	3.23
7507VEM4	120.4	176.18	1.46
7508NNA4	8.3	8.67	1.04
7522NRD4	1.2	221.17	184.31
7505GZW4	800	0.00	0.00
7530KLR4	1600	0.00	0.00

16. TABLE X.16: HYBRID METHOD, SR GRID GENERATION NODAL CHARGES - SUMMER OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	204.00	135.11	0.66
7002RGMG2	198.00	130.85	0.66
7003RGMG3	200.00	132.27	0.66

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7004RGMG4	527.00	339.24	0.64
7005RGMG5	522.00	335.87	0.64
7006RGMG6	520.00	334.52	0.64
7008SIMG1	486.00	829.68	1.71
7009SIMG2	488.00	833.28	1.71
7010SLBG1	150.00	94.96	0.63
7011SLBG2	150.00	94.96	0.63
7012SLBG3	150.00	94.96	0.63
7013SLBG4	150.00	94.96	0.63
7014SLBG5	150.00	94.96	0.63
7015SLBG6	150.00	94.96	0.63
7016RTPG4	204.00	135.43	0.66
7017RTPG5	202.00	133.98	0.66
7018RTPG6	206.00	136.87	0.66
7019RTPG7	204.00	135.43	0.66
7020NLYII-4	125.36	57.52	0.46
7021NLYII-5	125.36	57.52	0.46
7022NLYII-6	125.36	57.52	0.46
7023NLYII-7	125.36	57.52	0.46
7024NLY-IEG1	197.00	95.22	0.48
7025NLY-IEG2	191.00	91.93	0.48
7191KGS3	180.00	296.32	1.65
7192KGS4	180.00	296.26	1.65
7193BTPG4	400.00	224.23	0.56
7512TPL4	336.90	620.37	1.84
7547TRNVELLI	312.20	794.91	2.55
7526TLG4	300.80	417.83	1.39
7521KGS4	243.00	402.97	1.66
7534MDI4	187.40	698.44	3.73
7507VEM4	95.00	260.88	2.75
7522NRD4	24.80	292.68	11.80
7505GZW4	900.00	0.00	0.00
7530KLR4	900.00	0.00	0.00

17. TABLE X.17: HYBRID METHOD, SR GRID GENERATION NODAL CHARGES - WINTER OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	204.00	97.36	0.48
7002RGMG2	198.00	94.32	0.48
7003RGMG3	200.00	95.34	0.48
7007RGMG7	489.00	225.96	0.46
7008SIMG1	486.00	1010.30	2.08
7009SIMG2	488.00	1014.63	2.08
7010SLBG1	125.00	100.09	0.80
7011SLBG2	125.00	100.09	0.80
7012SLBG3	125.00	100.09	0.80
7014SLBG5	120.00	96.07	0.80
7016RTPG4	204.00	235.14	1.15
7017RTPG5	202.00	232.69	1.15
7018RTPG6	206.00	237.60	1.15
7019RTPG7	204.00	235.14	1.15
7020ONLYII-4	48.51	41.47	0.85
7021ONLYII-5	48.51	41.47	0.85
7022ONLYII-6	48.51	41.47	0.85
7023ONLYII-7	48.51	41.47	0.85
7024ONLY-IEG1	197.00	257.83	1.31
7025ONLY-IEG2	191.00	248.75	1.30
7191KGS3	180.00	386.15	2.15
7192KGS4	180.00	386.06	2.14
7193BTPG4	150.00	114.23	0.76
7507VEM4	107.60	284.45	2.64
7508NNA4	87.90	161.36	1.84
7512TPL4	319.20	3046.81	9.55
7514CNP4	67.00	306.39	4.57
7517RTPS4	7.20	9.26	1.29
7521KGS4	91.40	197.48	2.16
7526TLG4	185.20	420.26	2.27
7532NLY4	96.60	168.57	1.75
7534MDI4	145.20	225.13	1.55
7547TRNVELLI	250.60	638.98	2.55
7505GZW4	400.00	0.00	0.00
7530KLR4	800.00	0.00	0.00

18. TABLE X.18: HYBRID METHOD, SR GRID GENERATION NODAL CHARGES - MONSOON OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	204.00	136.93	0.67
7002RGMG2	198.00	132.58	0.67
7004RGMG4	527.00	344.34	0.65
7005RGMG5	522.00	340.90	0.65
7006RGMG6	520.00	339.22	0.65
7008SIMG1	486.00	937.57	1.93
7009SIMG2	488.00	941.67	1.93
7010SLBG1	125.00	60.59	0.48
7011SLBG2	125.00	60.59	0.48
7012SLBG3	125.00	60.59	0.48
7013SLBG4	125.00	60.59	0.48
7014SLBG5	120.00	58.16	0.48
7015SLBG6	120.00	58.16	0.48
7016RTPG4	204.00	170.74	0.84
7017RTPG5	202.00	168.96	0.84
7018RTPG6	206.00	172.52	0.84
7019RTPG7	204.00	170.74	0.84
7020NLYII-4	143.56	98.62	0.69
7021NLYII-5	143.56	98.62	0.69
7022NLYII-6	143.56	98.62	0.69
7023NLYII-7	143.56	98.62	0.69
7024NLY-IEG1	197.00	141.85	0.72
7025NLY-IEG2	191.00	136.60	0.72
7191KSGG3	180.00	439.93	2.44
7192KSGG4	180.00	439.84	2.44
7193BTPG4	400.00	270.54	0.68
7512TPL4	305.10	487.60	1.60
7526TLG4	275.20	508.58	1.85
7547TRNVELLI	254.50	831.98	3.27
7521KGS4	166.20	409.53	2.46
7507VEM4	134.60	480.60	3.57
7534MDI4	124.60	221.15	1.77
7522NRD4	39.60	342.51	8.65
7508NNA4	34.90	90.26	2.59
7517RTPS4	9.00	8.07	0.90

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7505GZW4	400.00	0.00	0.00
7530KLR4	800.00	0.00	0.00

19. TABLE X.19: HYBRID METHOD, SR GRID DEMAND NODAL CHARGES - SUMMER PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	15.87	0.00	0.00
7002RGMG2	15.87	0.00	0.00
7003RGMG3	15.87	0.00	0.00
7016RTPG4	22.08	0.00	0.00
7017RTPG5	22.08	0.00	0.00
7018RTPG6	22.08	0.00	0.00
7019RTPG7	22.08	0.00	0.00
7193BTPG4	25.90	0.00	0.00
7020NLYII-4	27.23	0.00	0.00
7021NLYII-5	27.23	0.00	0.00
7022NLYII-6	27.23	0.00	0.00
7023NLYII-7	27.23	0.00	0.00
7024NLY-IEG1	27.23	0.00	0.00
7025NLY-IEG2	27.23	0.00	0.00
7522NRD4	31.20	139.96	4.49
7514CNP4	41.40	61.40	1.48
7004RGMG4	42.32	0.00	0.00
7005RGMG5	42.32	0.00	0.00
7006RGMG6	42.32	0.00	0.00
7007RGMG7	42.32	0.00	0.00
7008SIMG1	42.32	0.00	0.00
7009SIMG2	42.32	0.00	0.00
7532NLY4	68.20	0.92	0.01
7550WGL4	72.30	41.56	0.57
7519MBD4	96.60	49.42	0.51
7518MBR4	129.30	224.30	1.73
7515CTR4	129.80	244.95	1.89
7531GTY4	139.60	151.32	1.08

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7506KLPK4	148.00	2.26	0.02
7517RTPS4	152.20	9.49	0.06
7557BTPSS4	154.60	0.52	0.00
7533TRICH4	161.00	85.93	0.53
7549DICHPLY4	167.60	73.40	0.44
7559PUGALUR4	169.30	147.10	0.87
7523HYR4	171.20	112.96	0.66
7537UPT4	174.00	89.44	0.51
7505GZW4	200.80	0.00	0.00
7520GTR4	204.80	111.62	0.55
7509NLR4	228.40	542.37	2.37
7551KVPATTU4	251.00	86.87	0.35
7525MYS4	255.00	407.87	1.60
7539KRNL4	272.60	240.53	0.88
7535TVM4	362.40	1120.83	3.09
7510ALMT4	382.00	1136.27	2.97
7530KLR4	400.80	67.10	0.17
7538TRCR4	442.80	350.98	0.79
7524NLM4	479.20	534.44	1.12
7529HSR4	509.40	143.66	0.28
7536SLM4	530.00	372.35	0.70
7528SMN4	575.60	358.80	0.62
7527HDY4	650.20	362.41	0.56
7511SRPD4	661.50	1284.36	1.94
7501RGM4	741.80	2.25	0.00
7504MDPL4	746.10	832.38	1.12
7502GHP4	818.70	687.59	0.84

20. TABLE X.20: HYBRID METHOD, SR GRID DEMAND NODAL CHARGES - WINTER PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	16.19	0.00	0.00
7002RGMG2	16.19	0.00	0.00
7003RGMG3	16.19	0.00	0.00
7004RGMG4	43.17	0.00	0.00

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7005RGMG5	43.17	0.00	0.00
7006RGMG6	43.17	0.00	0.00
7007RGMG7	43.17	0.00	0.00
7008SIMG1	43.17	0.00	0.00
7009SIMG2	43.17	0.00	0.00
7016RTPG4	19.55	0.00	0.00
7017RTPG5	19.55	0.00	0.00
7018RTPG6	19.55	0.00	0.00
7019RTPG7	19.55	0.00	0.00
7020NLYII-4	24.79	0.00	0.00
7021NLYII-5	24.79	0.00	0.00
7022NLYII-6	24.79	0.00	0.00
7023NLYII-7	24.79	0.00	0.00
7024NLY-IEG1	24.79	0.00	0.00
7025NLY-IEG2	24.79	0.00	0.00
7193BTPG4	22.93	0.00	0.00
7501RGM4	764.00	3.68	0.00
7502GHP4	835.80	724.37	0.87
7503KHM4	6.20	10.55	1.70
7504MDPL4	740.70	1050.16	1.42
7505GZW4	197.40	0.12	0.00
7506KLPK4	148.20	1.28	0.01
7509NLR4	232.80	626.36	2.69
7510ALMT4	329.00	1163.30	3.54
7511SRPD4	582.90	1277.99	2.19
7514CNP4	43.60	86.70	1.99
7515CTR4	131.30	325.03	2.48
7517RTPS4	110.80	0.86	0.01
7518MBR4	168.30	256.10	1.52
7519MBD4	83.80	70.27	0.84
7520GTR4	169.90	109.27	0.64
7522NRD4	29.40	143.38	4.88
7523HYR4	148.60	113.08	0.76
7524NLM4	406.00	539.22	1.33
7525MYS4	220.20	417.91	1.90
7527HDY4	551.40	362.72	0.66
7528SMN4	507.20	396.35	0.78
7529HSR4	442.40	153.67	0.35

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7530KLR4	344.00	72.53	0.21
7531GTY4	169.60	206.38	1.22
7532NLY4	14.60	0.25	0.02
7533TRICH4	137.20	78.57	0.57
7535TVM4	304.20	128.12	0.42
7536SLM4	492.00	361.79	0.74
7537UPT4	180.60	317.35	1.76
7538TRCR4	366.20	824.31	2.25
7539KRNL4	282.80	316.98	1.12
7549DICHPLY4	171.00	72.34	0.42
7550WGL4	77.00	48.44	0.63
7551KVPATTU4	216.40	86.21	0.40
7557BTPSS4	152.50	0.65	0.00
7559PUGALUR4	159.10	141.03	0.89

21. TABLE X.21: HYBRID METHOD, SR GRID DEMAND NODAL CHARGES - MONSOON PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	16.72	0.00	0.00
7503KHM4	10.80	17.22	1.59
7002RGMG2	16.72	0.00	0.00
7003RGMG3	16.72	0.00	0.00
7016RTPG4	16.98	0.00	0.00
7017RTPG5	16.98	0.00	0.00
7018RTPG6	16.98	0.00	0.00
7019RTPG7	16.98	0.00	0.00
7532NLY4	18.00	0.33	0.02
7193BTPG4	19.92	0.00	0.00
7020NLYII-4	25.82	0.00	0.00
7021NLYII-5	25.82	0.00	0.00
7022NLYII-6	25.82	0.00	0.00
7023NLYII-7	25.82	0.00	0.00
7024NLY-IEG1	25.82	0.00	0.00
7025NLY-IEG2	25.82	0.00	0.00
7004RGMG4	44.58	0.00	0.00

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7005RGMG5	44.58	0.00	0.00
7006RGMG6	44.58	0.00	0.00
7007RGMG7	44.58	0.00	0.00
7008SIMG1	44.58	0.00	0.00
7009SIMG2	44.58	0.00	0.00
7514CNP4	55.80	97.68	1.75
7517RTPS4	61.20	2.18	0.04
7519MBD4	64.20	55.11	0.86
7550WGL4	80.50	49.55	0.62
7523HYR4	130.00	143.87	1.11
7515CTR4	135.80	294.68	2.17
7533TRICH4	147.60	72.83	0.49
7557BTPSS4	147.70	0.32	0.00
7520GTR4	151.20	156.78	1.04
7506KLPK4	152.60	1.24	0.01
7559PUGALUR4	157.70	124.55	0.79
7531GTY4	172.20	177.06	1.03
7518MBR4	173.70	167.14	0.96
7549DICHPLY4	176.60	73.88	0.42
7525MYS4	180.80	355.20	1.96
7505GZW4	202.40	0.20	0.00
7537UPT4	216.90	139.18	0.64
7509NLR4	227.80	578.12	2.54
7551KVPATTU4	243.40	90.34	0.37
7539KRNL4	263.40	274.30	1.04
7530KLR4	282.80	51.96	0.18
7524NLM4	317.20	421.17	1.33
7510ALMT4	357.30	1190.16	3.33
7535TVM4	361.20	971.46	2.69
7528SMN4	436.80	419.78	0.96
7527HDY4	453.20	536.24	1.18
7538TRCR4	460.20	424.38	0.92
7529HSR4	494.60	138.20	0.28
7536SLM4	527.90	264.07	0.50
7511SRPD4	621.90	1309.66	2.11
7504MDPL4	739.20	929.82	1.26
7501RGM4	792.20	2.99	0.00
7502GHP4	846.30	730.15	0.86

22. TABLE X.22: HYBRID METHOD, SR GRID DEMAND NODAL CHARGES - SUMMER OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	15.79	0.00	0.00
7532NLY4	2.00	0.07	0.03
7002RGMG2	15.79	0.00	0.00
7003RGMG3	15.79	0.00	0.00
7016RTPG4	17.66	0.00	0.00
7017RTPG5	17.66	0.00	0.00
7018RTPG6	17.66	0.00	0.00
7019RTPG7	17.66	0.00	0.00
7503KHM4	19.80	54.90	2.77
7193BTPG4	20.72	0.00	0.00
7020NLYII-4	25.24	0.00	0.00
7021NLYII-5	25.24	0.00	0.00
7022NLYII-6	25.24	0.00	0.00
7023NLYII-7	25.24	0.00	0.00
7024NLY-IEG1	25.24	0.00	0.00
7025NLY-IEG2	25.24	0.00	0.00
7508NNA4	41.70	97.55	2.34
7004RGMG4	42.10	0.00	0.00
7005RGMG5	42.10	0.00	0.00
7006RGMG6	42.10	0.00	0.00
7007RGMG7	42.10	0.39	0.01
7008SIMG1	42.10	0.00	0.00
7009SIMG2	42.10	0.00	0.00
7550WGL4	66.60	1504.27	22.59
7519MBD4	70.00	558.05	7.97
7537UPT4	96.90	992.85	10.25
7514CNP4	97.40	1350.15	13.86
7533TRICHI4	119.40	823.68	6.90
7515CTR4	133.90	1444.97	10.79
7523HYR4	135.50	546.13	4.03
7538TRCR4	142.60	1748.54	12.26
7559PUGALUR4	148.50	727.74	4.90
7506KLPK4	149.40	20.89	0.14
7557BTPSS4	151.40	5.75	0.04
7520GTR4	154.60	525.70	3.40
7518MBR4	165.90	3082.12	18.58
7549DICHPLY4	166.20	147.82	0.89

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7535TVM4	166.40	260.57	1.57
7531GTY4	177.40	1795.36	10.12
7517RTPS4	185.80	33.35	0.18
7525MYS4	188.80	1538.84	8.15
7505GZW4	203.40	0.00	0.00
7551KVPATTU4	209.80	4140.50	19.74
7509NLR4	244.00	1274.01	5.22
7539KRNL4	269.80	1199.38	4.45
7530KLR4	279.80	1855.95	6.63
7510ALMT4	324.80	2228.59	6.86
7524NLM4	344.80	2339.74	6.79
7529HSR4	399.20	2356.50	5.90
7527HDY4	426.20	5709.89	13.40
7528SMN4	466.60	2680.43	5.74
7536SLM4	544.00	1971.61	3.62
7511SRPD4	583.90	9509.15	16.29
7501RGM4	698.20	5.55	0.01
7504MDPL4	730.20	6750.02	9.24
7502GHP4	780.00	1453.04	1.86

23. TABLE X.23: HYBRID METHOD, SR GRID DEMAND NODAL CHARGES - WINTER OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	13.43	0.00	0.00
7002RGMG2	13.43	0.00	0.00
7003RGMG3	13.43	0.00	0.00
7004RGMG4	35.81	66.26	1.85
7005RGMG5	35.81	66.26	1.85
7006RGMG6	35.81	66.26	1.85
7007RGMG7	35.81	0.00	0.00
7008SIMG1	35.81	0.00	0.00
7009SIMG2	35.81	0.00	0.00
7016RTPG4	13.12	0.00	0.00

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7017RTPG5	13.12	0.00	0.00
7018RTPG6	13.12	0.00	0.00
7019RTPG7	13.12	0.00	0.00
7020NLYII-4	18.51	0.00	0.00
7021NLYII-5	18.51	0.00	0.00
7022NLYII-6	18.51	0.00	0.00
7023NLYII-7	18.51	0.00	0.00
7024NLY-IEG1	18.51	0.00	0.00
7025NLY-IEG2	18.51	0.00	0.00
7193BTPG4	15.39	0.00	0.00
7501RGM4	526.30	971.06	1.85
7502GHP4	578.40	1297.56	2.24
7503KHM4	57.80	216.16	3.74
7504MDPL4	555.30	3086.65	5.56
7505GZW4	154.80	5.71	0.04
7506KLPK4	123.20	2.11	0.02
7509NLR4	161.40	798.82	4.95
7510ALMT4	202.10	1169.84	5.79
7511SRPD4	380.60	920.23	2.42
7515CTR4	95.30	459.03	4.82
7518MBR4	169.50	177.33	1.05
7519MBD4	61.20	177.49	2.90
7520GTR4	129.30	167.33	1.29
7522NRD4	23.80	281.03	11.81
7523HYR4	103.50	152.52	1.47
7524NLM4	275.60	845.96	3.07
7525MYS4	149.00	688.04	4.62
7527HDY4	341.80	567.18	1.66
7528SMN4	339.60	647.09	1.91
7529HSR4	231.60	273.91	1.18
7530KLR4	213.80	147.45	0.69
7531GTY4	136.00	264.44	1.94
7533TRICH4	63.60	97.68	1.54
7535TVM4	168.60	256.01	1.52
7536SLM4	242.60	664.56	2.74
7537UPT4	198.90	485.80	2.44
7538TRCR4	126.60	584.21	4.61
7539KRNL4	172.40	507.73	2.95

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7549DICHPLY4	140.30	405.53	2.89
7550WGL4	49.10	577.09	11.75
7551KVPATTU4	127.60	527.89	4.14
7557BTPSS4	87.40	55.75	0.64
7559PUGALUR4	107.60	582.29	5.41

24. TABLE X.24: HYBRID METHOD, SR GRID DEMAND NODAL CHARGES - MONSOON OFF PEAK

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7001RGMG1	16.84	0.00	0.00
7016RTPG4	12.96	0.00	0.00
7017RTPG5	12.96	0.00	0.00
7018RTPG6	12.96	0.00	0.00
7019RTPG7	12.96	0.00	0.00
7193BTPG4	15.21	0.00	0.00
7002RGMG2	16.84	0.00	0.00
7003RGMG3	16.84	0.26	0.02
7532NLY4	17.60	0.60	0.03
7503KHM4	20.40	72.69	3.56
7020NLYII-4	24.68	0.00	0.00
7021NLYII-5	24.68	0.00	0.00
7022NLYII-6	24.68	0.00	0.00
7023NLYII-7	24.68	0.00	0.00
7024NLY-IEG1	24.68	0.00	0.00
7025NLY-IEG2	24.68	0.00	0.00
7538TRCR4	26.20	298.32	11.39
7514CNP4	33.60	133.61	3.98
7519MBD4	38.80	224.72	5.79
7004RGMG4	44.91	0.00	0.00
7005RGMG5	44.91	0.00	0.00
7006RGMG6	44.91	0.00	0.00
7007RGMG7	44.91	0.70	0.02
7008SIMG1	44.91	0.00	0.00
7009SIMG2	44.91	0.00	0.00

Nodes	Power Scheduled (MW)	Cost (Rs Lakh)	Price (Rs Lakh/MW)
7550WGL4	71.40	629.98	8.82
7535TVM4	81.00	262.37	3.24
7523HYR4	100.20	240.10	2.40
7520GTR4	116.40	172.35	1.48
7537UPT4	123.90	407.06	3.29
7525MYS4	128.20	647.56	5.05
7506KLPK4	142.40	2.31	0.02
7515CTR4	142.60	757.13	5.31
7533TRICH4	144.80	344.75	2.38
7557BTPSS4	145.90	0.70	0.00
7559PUGALUR4	152.20	342.05	2.25
7505GZW4	175.40	6.45	0.04
7549DICHPLY4	177.60	149.60	0.84
7530KLR4	185.80	141.50	0.76
7531GTY4	200.40	205.15	1.02
7551KVPATTU4	212.00	213.13	1.01
7509NLR4	214.80	1329.34	6.19
7524NLM4	218.00	728.53	3.34
7518MBR4	227.10	85.28	0.38
7539KRNL4	240.80	183.73	0.76
7527HDY4	269.60	717.11	2.66
7510ALMT4	316.70	3116.54	9.84
7528SMN4	347.80	1388.97	3.99
7529HSR4	393.80	396.84	1.01
7511SRPD4	580.90	1204.71	2.07
7536SLM4	598.10	1841.25	3.08
7504MDPL4	702.90	2250.45	3.20
7501RGM4	749.90	10.67	0.01
7502GHP4	794.10	1956.61	2.46

IV NODAL LOSSES RESULTS

The annual nodal losses given below have been computed as per the following steps:

- Nodal losses (in MW) are computed using the methodology described in Attachment-1 to the regulations for each network condition(peak and off peak condition for different seasons).
- Given the hours attributed to each network condition, losses due to each bus are computed for the entire year.

(c) The losses obtained in the above step are divided by the energy injected / withdrawn from the grid at that node in the entire year and shown as percentage of nodal energy in the tables below.

1. TABLE LX.1: HYBRID METHOD, NEW GRID GENERATION NODAL LOSSES – AGGREGATE ANNUAL

Nodes	Unscaled Loss as a % of Nodal Energy
4039TALA4	1.22%
4008CHUKHA2	0.03%
4071KURICHU	0.02%
4020KHALGN4	1.53%
4021PURNEA4	2.03%
400KNTPC4	1.60%
326KORBW4	1.25%
691JIN4-B1	2.03%
453PATH4	1.57%
432BHATP4	1.41%
426SIPAT7	1.40%
437RAIG42	1.12%
437RAIG4	1.02%
18428MAHARA4	0.94%
186SUGEN4	0.27%
410GANCS4	0.23%
157GTEC4	0.17%
130WANAK4	0.15%
445MUNDRA4	0.11%
185SSP4	0.10%
144UKAI4	0.03%
11411CHAMER-1	0.42%
11401CHAMER-2	0.32%
12419DEHAR4	0.15%
18403NATHPA4	0.57%
19402BASPA4	0.55%
12418DULHAST	0.37%
12401BAGHLIH4	0.13%
11414URIG	0.09%
4005MAITHON	1.60%
249BHADR4	0.74%
245CHNDR4	0.70%
252KORAD4	0.62%
414TAPS4	0.23%
600DABHOL	0.05%
602KOY4-4	0.03%
401VINDH_W4	1.66%
407SATNA	1.48%

Nodes	Unscaled Loss as a % of Nodal Energy
387GWALIOR4	1.14%
312SATPU4	0.56%
346BINA4	0.32%
355INDSGR4	0.24%
6602KUMARGAT	2.92%
6726KTHL_G4	2.78%
6724KTHL_G2	2.78%
6725KTHL_G3	2.78%
6729KTHL_G7	2.78%
6723KTHL_G1	2.78%
6727KTHL_G5	2.78%
6728KTHL_G6	2.78%
6730KTHL_G8	2.77%
6712AGTPP	1.69%
6737AGTP_G3	1.62%
6738AGTP_G4	1.62%
6735AGTP_G1	1.62%
6736AGTP_G2	1.62%
6708LOKTAK	1.11%
6732LKTK_G1	0.96%
6715KOPI2A	0.77%
6714KHNDNG	0.60%
6739KHND_G1	0.53%
6700KTHLGRI	0.05%
6706DMPR(P)1	0.02%
2539INDVTGR4	0.24%
4027REGLIP	0.71%
4025TSTPP4	0.24%
4029JEYPUR4	0.00%
12423MOGA4	0.26%
16457SURTGRH4	0.05%
4067TISTA-V4	1.28%
18499TEHRI4	0.27%
17447VISHNU4	0.03%
18423SINGRL4	2.01%
18431KANPUR4	1.47%
17466PANKI4	1.36%
18426AURYA4	1.36%
17472OBRA4	1.26%
17468ANPARA4	1.22%
18433RIHAND4	1.20%
18424DADRI4	0.20%
4003PARULIA	1.08%
4001FARAKKA	1.05%
4009BIRPARA	0.03%

Nodes	Unscaled Loss as a % of Nodal Energy
3532SAGAR4	0.53%
3506KTPS400	0.23%
3620PURLPPS	0.23%
3570BKSWAR4	0.02%

2. TABLE LX.2: HYBRID METHOD, NEW GRID DEMAND NODAL LOSSES – AGGREGATE ANNUAL

Nodes	Unscaled Loss as a % of Nodal Energy
6721BDPR(PG)2	3.60%
6709JBM(PG)2	3.38%
6721BDPR(PG)1	3.37%
6709JBM(PG)1	3.34%
6710AIZL(PG)	2.96%
17467KASHIPR4	2.39%
17440MURADAB4	2.34%
16406HERAPRA4	2.32%
6713HAFLONG	2.28%
18430BASSI42	2.28%
18421BHIWAD4	2.27%
6751DOYANG1	2.24%
17426RISHIKE4	2.20%
12417FATEHA4	2.13%
18419BALABGR4	2.10%
15428BAMNOL4	2.09%
17446MURADNG4	2.08%
12421HISAR4	2.07%
18430BASSI41	2.02%
6707IMPL(P)	2.01%
18408AMRITSA	1.99%
17402BARELI4	1.95%
18462MANPURI42	1.91%
430RAJ4	1.90%
18418JALNDHR4	1.88%
263BABLE4	1.88%
250DHULE4	1.87%
12423MOGA4	1.87%
18434BHADR4	1.85%
6706DMPR(P)1	1.85%
17400AGRAUP4	1.84%
6720KHLT(PG)	1.81%
18462MANPURI41	1.78%

Nodes	Unscaled Loss as a % of Nodal Energy
281AURBA4	1.75%
404KHAND4	1.73%
18442PATIALA4	1.69%
18404KAITHAL4	1.66%
18401ABDULPR42	1.54%
346BINA4	1.53%
347NAGDA4	1.51%
387GWALIOR4	1.50%
15427BAWANA4	1.50%
18437LUCKN_PG	1.49%
304INDOR4	1.46%
403ITA4	1.45%
18417LUDHIA4	1.42%
311BHOPA4	1.40%
262BHUSA4	1.39%
18401ABDULPR41	1.39%
12422KISHNPR42	1.39%
17437LUCKN_UP	1.37%
18425MALERKT4	1.36%
18427GORAK_PG	1.34%
17401UNNAO4	1.31%
6701MISA4	1.29%
18402NALAGR42	1.29%
6702MISA2	1.27%
4062RNCHI_4	1.24%
17445MUZAFRN4	1.23%
402JAB4	1.20%
12420BHIWN4	1.19%
464AKOL4	1.18%
18435MANDOLA42	1.17%
703AMRELI4	1.17%
228LONI4	1.17%
134ASOJ4	1.16%
17427GORAK_UP	1.14%
252KORAD4	1.14%
367SHOL4	1.12%
18435MANDOLA41	1.10%
427SEONI4	1.08%
6708LOKTAK	1.06%
312SATPU4	1.02%
18400WAGORA4	0.99%
6746RNGNDI1	0.98%
6745RNGNDI4	0.98%
4037MZFRPR4	0.98%

Nodes	Unscaled Loss as a % of Nodal Energy
17466PANKI4	0.92%
18474ALAHBAD42	0.92%
240PARLI4	0.91%
18405MERUT4	0.90%
149JET4	0.89%
6703BLIPRA4	0.81%
18474ALAHBAD41	0.80%
411RAIPUR	0.78%
4046PUSLI_E4	0.78%
16404KANKRO4	0.74%
17486MAU4	0.73%
139CHORN4	0.72%
278PADGH41	0.71%
17482AZAMGAR4	0.71%
18428MAHARA4	0.70%
321BHI4	0.67%
4005MAITHON	0.67%
12422KISHNPR41	0.65%
4021PURNEA4	0.64%
245CHNDR41	0.61%
4007BHRSHRF	0.60%
4061PATNA_4	0.59%
4022JMSPUR	0.59%
16400MERTA42	0.58%
203KALWA4	0.58%
447RANCHDP4	0.57%
185SSP4	0.57%
406DEHGM4	0.57%
6717BONG4	0.57%
4023RRKELA_4	0.55%
701ZERDA	0.55%
17485SULTANP4	0.54%
16433JODHPUR	0.53%
18436GNOIDA4	0.53%
18402NALAGR41	0.53%
225KHARGAR	0.52%
4075SUBHAS4	0.51%
4042BARIPDA4	0.50%
432BHATP4	0.45%
16400MERTA41	0.44%
376MAPUSA4	0.42%
14409PANIPAT4	0.42%
4074JSPLT-G2	0.41%
278PADGH42	0.41%

Nodes	Unscaled Loss as a % of Nodal Energy
171VAPI4	0.40%
17480SARNATH4	0.38%
6714KHNDNG	0.36%
4033BINAGRI4	0.35%
706KASOR4	0.32%
105SOJA4	0.32%
4027REGLIP	0.32%
6700KTHLGRI2	0.30%
6719SLKT2	0.29%
280KOLHAPUR	0.26%
232KARAD4	0.25%
3523JEERAT4	0.24%
12419DEHAR4	0.22%
401VINDH_W4	0.21%
2585MRMNDLI4	0.20%
245CHNDR42	0.20%
4003PARULIA	0.20%
417BOIS41	0.18%
6700KTHLGRI1	0.16%
4025TSTPP41	0.15%
17472OBRA4	0.14%
417BOIS42	0.13%
4020KHALGN4	0.13%
4031SNGHGON	0.13%
4070MALBAS2	0.13%
17468ANPARA4	0.12%
4025TSTPP42	0.11%
4014MALDA4	0.08%
3571ARAMBAG4	0.07%
356JEJ4	0.06%
653NGTHANE	0.04%
4069MALBAS4	0.04%
4009BIRPARA	0.03%
3506KTPS400	0.02%
326KORBW4	0.02%
4001FARAKKA	0.01%
16408RATNGRH4	0.01%
601NKOY4	0.01%

3. TABLE LX.3: HYBRID METHOD, SR GRID GENERATION NODAL LOSSES – AGGREGATE ANNUAL

Nodes	Loss as a % of Energy
7507VEM4	1.27%
7512TPL4	1.14%
7503KHM4	0.98%
7191KGS33	0.93%
7191KGS31	0.89%
7191KGS32	0.89%
7522NRD4	0.79%
7008SIMG12	0.77%
7008SIMG11	0.77%
7508NNA4	0.73%
7514CNP4	0.53%
7001RGMG7	0.51%
7001RGMG6	0.44%
7016RTPG43	0.42%
7016RTPG41	0.42%
7016RTPG44	0.42%
7016RTPG42	0.42%
7526TLG4	0.41%
7517RTPS4	0.38%
7001RGMG5	0.37%
7534MDI4	0.36%
7020ONLYII-45	0.32%
7020ONLYII-46	0.32%
7001RGMG4	0.31%
7001RGMG1	0.31%
7001RGMG2	0.31%
7193BTPG4	0.30%
7020ONLYII-41	0.30%
7020ONLYII-42	0.30%
7020ONLYII-43	0.30%
7020ONLYII-44	0.30%
7010SLBG15	0.29%
7010SLBG16	0.29%
7001RGMG3	0.27%
7010SLBG14	0.25%
7010SLBG11	0.25%
7010SLBG12	0.25%
7010SLBG13	0.25%
7547TRNVELLI	0.25%
7505GZW4	0.00%

4. TABLE LX.4: HYBRID METHOD, SR GRID DEMAND NODAL LOSSES – AGGREGATE ANNUAL

Nodes	Loss as a % of Energy
7510ALMT4	5.29%
7509NLR4	5.22%
7538TRCR4	4.49%
7515CTR4	2.87%
7536SLM4	2.72%
7537UPT4	2.23%
7511SRPD4	1.84%
7549DICHPLY4	1.52%
7508NNA4	1.41%
7550WGL4	1.37%
7514CNP4	1.33%
7503KHM4	1.27%
7535TVM4	1.12%
7518MBR4	1.05%
7551KVPATTU4	1.01%
7523HYR4	0.86%
7525MYS4	0.80%
7527HDY4	0.80%
7504MDPL4	0.78%
7502GHP4	0.71%
7522NRD4	0.68%
7524NLM4	0.68%
7528SMN4	0.67%
7520GTR4	0.67%
7533TRICHI4	0.63%
7529HSR4	0.49%
7559PUGALUR4	0.38%
7531GTY4	0.34%
7539KRNL4	0.30%
7519MBD4	0.24%
7530KLR4	0.17%
7004RGMG4	0.07%
7005RGMG5	0.07%
7006RGMG6	0.07%
7501RGM4	0.07%
7532NLY4	0.04%
7517RTPS4	0.02%
7557BT PSS4	0.01%
7007RGMG7	0.00%
7506KLPK4	0.00%

Nodes	Loss as a % of Energy
7003RGMG3	0.00%
7505GZW4	0.00%
7001RGMG1	0.00%
7002RGMG2	0.00%
7008SIMG1	0.00%
7009SIMG2	0.00%
7020NLYII-4	0.00%
7021NLYII-5	0.00%
7022NLYII-6	0.00%
7023NLYII-7	0.00%
7024NLY-IEG1	0.00%
7025NLY-IEG2	0.00%
7016RTPG4	0.00%
7017RTPG5	0.00%
7018RTPG6	0.00%
7019RTPG7	0.00%
7193BTPG4	0.00%