

Ancillary Services Net Cost (Rs) AS_{NET} (Rs):

$$[RRAS_Up - RRAS_Down + SRAS_Up + SRAS_Incentive - SRAS_Down]$$

If $AS_{NET} > 0$

Weighted Average Ancillary Service Charge of All India (paise/Unit) =

$$\frac{100 * AS_{NET}}{[(RRAS_Up\ Volume + SRAS_Up\ Volume(15min) - RRAS_Down\ Volume - SRAS_Down\ Volume(15min)) * 1000]}$$

If $AS_{NET} < 0$

Weighted Average Ancillary Service Charge of All India (paise/Unit) =

$$(-) \left(\frac{100 * AS_{NET}}{[(RRAS_Up\ Volume + SRAS_Up\ Volume(15min) - RRAS_Down\ Volume - SRAS_Down\ Volume(15min)) * 1000]} \right)$$

h. **Normal Rate of Charges (paise/Unit) of an area** for a time block =

Maximum of

- weighted average ACP of DAM of that area
- weighted average ACP of RTM of that area
- Weighted Average Ancillary Service Charge of All India

3. Normal rate of charges for deviation for inter-regional deviation and cross-border transactions.

- Inter-regional corridors are interconnected through different bid areas and neighboring countries are also connected to different bid areas in India. To simplify the settlement of inter-regional and cross-border deviations, the highest of the weighted average price of the unconstrained market clearing price (UMCP) of DAM, RTM of all Power Exchanges & weighted average Ancillary Services charges shall be considered for computing the normal rate of charges for deviation.
- In case of non-availability of UMCP for any time block on a given day in all Power Exchanges, the last available UMCP for the corresponding time block shall be considered.

The following shall be used for computation for weighted average UMCP of DAM for a sample time block:

DAM	
Volume IEX (Buy +Sell) = V_{IEX}	UMCP IEX = P_{IEX}
Volume PXIL (Buy +Sell) = V_{PXIL}	UMCP PXIL = P_{PXIL}
Volume HPX (Buy +Sell) = V_{HPX}	UMCP HPX = P_{HPX}

GDAM	
Volume IEX (Buy +Sell) = V_{G-IEX}	UMCP IEX = P_{G-IEX}
Volume PXIL (Buy +Sell) = V_{G-PXIL}	UMCP IEX = P_{G-PXIL}
Volume HPX (Buy +Sell) = V_{G-HPX}	UMCP HPX = P_{G-HPX}

Volume in Kwh and Price in paisa/Kwh

weighted average UMCP of DAM (paise/unit) =

$$\frac{[(V_{IEX} * P_{IEX}) + (V_{PXIL} * P_{PXIL}) + (V_{HPX} * P_{HPX}) + (V_{G-IEX} * P_{G-IEX}) + (V_{G-PXIL} * P_{G-PXIL}) + (V_{G-HPX} * P_{G-HPX})]}{[V_{IEX} + V_{PXIL} + V_{HPX} + V_{G-IEX} + V_{G-PXIL} + V_{G-HPX}]}$$

The following shall be used for computation for weighted average UMCP of RTM for a time block

RTM	
Volume IEX (Buy +Sell) = V_{IEX}	Price IEX = P_{IEX}
Volume PXIL (Buy +Sell) = V_{PXIL}	Price PXIL = P_{PXIL}
Volume HPX (Buy +Sell) = V_{HPX}	Price HPX = P_{HPX}

Volume in Kwh and Price in paisa/Kwh

weighted average UMCP of RTM (paise/unit) =

$$\frac{[(V_{IEX} * P_{IEX}) + (V_{PXIL} * P_{PXIL}) + (V_{HPX} * P_{HPX})]}{[V_{IEX} + V_{PXIL} + V_{HPX}]}$$

4. Validity of the procedure:

This procedure is valid for one year from 05.12.2022 to 04.12.2023. The procedure shall be reviewed prior to completion of one year or in case of any regulatory changes or based on the experience gained.

5. Time line for publication of normal rate of charges for deviation:

NLDC shall publish the normal rate of charges for deviation on weekly basis by Thursday of the current week for the previous week (Monday to Sunday).

Normal rate of charges shall not be revised after declaration as per the timeline above. No post facto revision in the DSM account would be carried out due to any revision of normal rate of charges for deviation or contract rate or reference charge rate already used for DSM computation.

Annexure-1: Bid Areas and States covered under Bid-Areas

Sr. No.	Bid Area	Region	States covered under Bid Area
1	N1	NR	Jammu and Kashmir, Himachal Pradesh, Chandigarh, Haryana
2	N2	NR	Uttar Pradesh , Uttaranchal, Rajasthan, Delhi
3	N3	NR	Punjab
4	E1	ER	West Bengal, Sikkim, Bihar, Jharkhand
5	E2	ER	Orissa
6	W1	WR	Madhya Pradesh
7	W2	WR	Maharashtra, Gujarat, Daman and Diu, Dadar and Nagar Haveli, North Goa
8	W3	WR	Chhattisgarh
9	S1	SR	Andhra Pradesh, Telangana, Karnataka, South Goa
10	S2	SR	Tamil Nadu, Puducherry
11	S3	SR	Kerala
12	A1	NER	Tripura, Manipur, Mizoram, Nagaland
13	A2	NER	Assam, Arunachal Pradesh, Meghalaya

Distribution List:

- 1 Chief Engineer (GO),APTRANSCO,Vijayawada
- 2 Chief Engineer (E), SLDC, KPTCL, Bengaluru
- 3 Chief Engineer (TSO), KSEBL, Kalamaserry
- 4 Chief Engineer (Opn.), TANTRANSCO, Chennai
- 5 Chief Engineer (GO),TSTRANSCO, Hyderabad
- 6 Superintending Engineer - I, Electricity Department, Puducherry
- 7 Executive Engineer-CEE
- 8 General Manager (O&M), SRTS-I, PGCIL, Secunderabad
- 9 General Manager (O&M), SRTS- II, PGCIL, Bengaluru
- 10 General Manager (OS), SRHQ, NTPC, Secunderabad
- 11 General Manager, RSTPS, Jyothinagar, Ramagundam
- 12 General Manager, Talcher STPS Stg - II, NTPC, Talcher
- 13 Chief General Manager, Simhadri STPS, Simhadri
- 14 Chief General Manager, Kudgi STPS
- 15 General Manager (O&M), Vallur TPS, NTECL, Chennai
- 16 Chief General Manager, Neyveli TPS-II, Neyveli
- 17 General Manager, NNTPS, Neyveli
- 18 General Manager, TPS-I Expansion, Neyveli
- 19 General Manager, TPS-II Expansion, Neyveli
- 20 Chief General Manager (Ele), NLC Tamil Nadu Power Limited(NTPL), Tuticorin
- 21 Operation Superintendent, MAPS, Kalpakkam
- 22 STE (E&I), Kaiga G.S. Stage - I, Kaiga
- 23 STE (E&I), Kaiga G.S. Stage - II, Kaiga
- 24 Operation Superintendent, KKNPP, Kudankulam
- 25 Head (O),SEIL Phase-I, Hyderabad
- 26 Head (O),SEIL Phase-II, Hyderabad
- 27 IL& FS Tamil Nadu Power Company Limited, Cuddalore
- 28 Coastal Energen Pvt Ltd (ENERGEN)
- 29 CE (Comml.), APPCC, Vijayawada
- 30 SE, SLDC, KPTCL, Bengaluru
- 31 SLDC-TBC, KPTCL, Bengaluru
- 32 Additional Director (Projects), PCKL, Bengaluru
- 33 CE (Tr.& SO), SLDC, KSEBL, Kalamassery
- 34 EE (LD), SLDC, KSEBL, Kalamassery
- 35 SE (LD & GO), TANTRANSCO, Chennai
- 36 EE (Grid), TANTRANSCO, Chennai
- 37 CE (Regulatory Cell), TANGEDCO, Chennai
- 38 CE (Comml.), TSPCC, Hyderabad
- 39 EE (S.C.C), Electricity Department, Puducherry
- 40 GM (Comml.), SR-HQ, NTPC, Secunderabad
- 41 GM (Comml.), Corporate Office, NLCIL, Neyveli
- 42 Station Director, MAPS, Kalpakkam
- 43 Station Director, KGS, Kaiga

44 Station Director, KKNPP, Kudanakulam
45 AGM (Comml.), NTECL, Vallur STPS.
46 Dy.GM, NTPL, Tuticorin
47 GM- Power Sale, IL&FS TNPCL, Chennai
48 GM, Sembcorp Energy India Limited, SPSR Nellore
49 GM (Comml.), SRTS-I, PGCIL, Secunderabad
50 GM (Comml.), SRTS-II, PGCIL, Bengaluru
51 GM (Comml.), CC, NTPC, New Delhi.
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53 ASSISTANT GENERAL MANAGER,ADYAH Solar Energy Private Limited
54 Manager,ATHENA Hissar,NPKUNTA
55 Manager,ATHENA Karnal,NPKUNTA
56 Senior General Manager,Avaada Solarise
57 SENIOR GENERAL MANAGER,AVAADA SOLAR ENERGY PVT LTD
58 Head IT and Tech (AVP),Ayana
59 GM,Azure Thirty Six,New Delhi
60 Manager (O&M),BETAM Wind Energy Pvt Ltd.
61 Manager,FortumFinnsurya Energy Pvt Ltd.
62 GM (Indian Operations),IGS-I and IGS-II,New Delhi
63 Assistant Manager,Green Infra Renewable Energy Ltd
64 Sr. Manager, GRT Jewellers India (P) Limited
65 AGM,KREDL
66 Site In-charge,Mytra Energy (India) Pvt Ltd
67 Senior Manager,NTPC Ananthapuramu Ultra Mega Solar park,Npkunta
68 AGM,commercial,Orange Sironj Wind Power Pvt Ltd
69 MANAGER,RENEW WIND ENERGY PVT LTD
70 Site In-charge,Fortum Solar Energy Pvt Ltd
71 MANAGER,RENEW WIND ENERGY PVT LTD
72 DGM,SBG Clean-tech Projectco Five Pvt Ltd
73 Manager,SB Energy Solar Private Limited (Anantapur Solar park)
74 O&M-Site In-charge,SPRNG Agnitra Pvt Ltd
75 Sr. Manager,Sprng Energy Pvt Limited,Maharashtra
76 Station Head,TATA Power Renewable Energy Pvt Ltd
77 Group Head Commercial,Tata Power REL,Mumbai.
78 Financial Controller,YARROW INFRASTRUCTURE PRIVATE LIMITED
79 GM (Indian Operations),IGS-I and IGS-II,New Delhi
80 Manager, Athena Bhiwadi, Pavagada
81 Senior Manager,Amplus Pavagada Solar Energy Two Private Limited
82 Senior Manager,Amplus Tumkur Solar Energy one Private Limited
83 Site In-charge,Azure Power thirty six Pvt Ltd.
84 Site In-charge,Fortum Solar Energy Pvt Ltd