

## NSE Clearing Limited

### Department : FUTURES & OPTIONS

Download Ref No: NCL/CMPT/55537

Date: February 07, 2023

Circular Ref. No: 017/2023

All Members

### **Sub: Adjustment of Futures and Options contracts in the security POWER GRID CORPORATION OF INDIA LIMITED (POWERGRID)**

This is pursuant to NSE Circular no. 20/2023 (Download no.55529) dated February 07, 2023 regarding Adjustment of Futures and Options contracts in the security POWERGRID. The following action with regards to clearing and settlement would be taken by NSE Clearing in this regard.

#### **1. Action by the Clearing Corporation in respect of Futures Contracts:**

Adjustment of futures contracts available in POWERGRID shall be carried out based on the reference rate of the relevant futures contracts on February 07, 2023 (last cum-dividend date). The reference rate to be reckoned for the purpose of adjustment shall be the daily mark to market settlement price of the relevant futures contract, which shall be reduced by the dividend amount.

Accordingly, all positions in futures contracts with the underlying security as POWERGRID would be marked-to-market on the last cum-dividend date i.e. February 07, 2023, based on the daily settlement price of the respective futures contract. Subsequent to such processing, open positions shall be carried forward at the daily settlement price less Rs.5.00 (dividend amount) for the respective futures contract.

From February 08, 2023 (ex-dividend date), daily mark to market settlement of futures contracts with the underlying security as POWERGRID would continue as per normal procedures

Begin of day margins on February 08, 2023 would be computed for the futures contract with underlying as POWERGRID based on the adjusted carry forward value. Subsequently, intra-day margins would be computed based on the relevant traded prices at the time the intra-day span risk parameter files are generated.

## NSE Clearing Limited

An example of adjustment of futures contract is detailed hereunder:

### 1.1 Positions before adjustment:

Clearing Member	Trading Member	Client Code	Instrument	Symbol	Expiry Date	Long Position	Long Value*	Short Position	Short Value*
A	ABC	A1	FUTSTK	POWERGRID	23-Feb-2023	2700	587250		
B	PQR	A2	FUTSTK	POWERGRID	29-Mar-2023	0		2700	587250
C	XYZ	A3	FUTSTK	POWERGRID	27-Apr-2023	0		2700	587250

\* Valued at price Rs. 217.50/-

### 1.2 Positions after adjustment:

Clearing Member	Trading Member	Client Code	Instrument	Symbol	Expiry Date	Long Position	*Long Value	Short Position	*Short Value
A	ABC	A1	FUTSTK	POWERGRID	23-Feb-2023	2700	573750		
B	PQR	A2	FUTSTK	POWERGRID	29-Mar-2023	0		2700	573750
C	XYZ	A3	FUTSTK	POWERGRID	27-Apr-2023	0		2700	573750

\* Valued at price Rs.212.50/- (Rs.217.50 – Rs.5.00 which is the dividend amount)

## NSE Clearing Limited

### 2. Action by Clearing Corporation in respect of Option Contracts:

The full value of dividend i.e. Rs.5.00 would be deducted from all the cum-dividend strike prices on the ex-dividend date and adjusted to nearest tick size to arrive at new strike price. All positions in existing strike prices shall continue to exist in the corresponding new adjusted strike prices.

An example of the adjustments in the strike prices is detailed hereunder:

#### 2.1 Positions before Strike Price adjustment:

Clearing Member	Trading Member	Client Code	Instrument	Symbol	Expiry Date	Strike Price	Option Type	Long Position	Short Position
A	ABC	A1	OPTSTK	POWERGRID	23-Feb-2023	215	CE	2700	0
B	PQR	A2	OPTSTK	POWERGRID	29-Mar-2023	217.50	PE	0	2700
C	XYZ	A3	OPTSTK	POWERGRID	27-Apr-2023	220	CE	0	2700

#### 2.2 Positions after Strike Price adjustment:

Clearing Member	Trading Member	Client Code	Instrument	Symbol	Expiry Date	Strike Price	Option Type	Long Position	Short Position
A	ABC	A1	OPTSTK	POWERGRID	23-Feb-2023	210	CE	2700	0
B	PQR	A2	OPTSTK	POWERGRID	29-Mar-2023	212.50	PE	0	2700
C	XYZ	A3	OPTSTK	POWERGRID	27-Apr-2023	215	CE	0	2700

Members are advised to note the following in respect of futures and options contracts on underlying security POWERGRID.

## NSE Clearing Limited

Position details of futures and options contracts with the underlying security as POWERGRID provided in PS\_03 / 04 files for trade date February 07, 2023, would indicate positions in the relevant contracts (without adjustment for dividend) on February 07, 2023.

Adjustments for futures contracts would be carried out separately as detailed in 1.1 and 1.2 above. Similarly, adjustments of options contracts would be carried out on such strike prices as detailed in 2.1 and 2.2 above. All open positions at existing strike prices shall continue to exist at adjusted strike prices.

The following two additional files will be provided, at the end of the day on February 07, 2023:

POWERGRID\_<Member Code>\_EXISTING\_POSITIONS.CSV  
POWERGRID\_<Member Code>\_ADJUSTED\_POSITIONS.CSV

The details of these files are provided as Annexure I.

### For and on behalf of NSE Clearing Limited

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# NSE Clearing Limited

## Annexure I

### Position file formats for Corporate Action Adjustment for futures and options contracts on underlying security – POWERGRID

#### 1. Details of existing positions:

All members having positions in options contracts at existing strike prices and Futures contracts shall be given details of the same vide the regular F\_PS03 & the F\_PS04 files on February 07, 2023.

The file shall be comma separated. The file shall be named as POWERGRID \_<Member Code>\_EXISTING\_POSITIONS.CSV. This file shall be at client level.

The file structure shall be as under:

Position Date	Date
Segment Indicator	'F'
Settlement Type	'S/G'
Clearing Member Code	CM Code
Member Type	'M'/'C'
Trading Member Code	TM Code / CP Code
Account Type	'P'/'C' etc.
Client Account / Code Client	Account No. / Code
Instrument Type	OPTSTK/ FUTSTK
Symbol	POWERGRID
Expiry date	23-Feb-2023 29-Mar-2023 27-Apr-2023
Strike Price	Existing Strike Prices
Option Type	'CE'/'PE'
CA Level	1
Post Ex / Asgmt Long Quantity	XXX
Post Ex / Asgmt Long Value	XXX (value 0 for option contracts)
Post Ex / Asgmt Short Quantity	XXX
Post Ex / Asgmt Short Value	XXX (value 0 for option contracts)
C/f Long Quantity	0
C/f Long Value	0
C/f Short Quantity	0
C/f Short Value	0

## NSE Clearing Limited

### 2. Details of Adjusted Positions:

All members having positions in POWERGRID contracts shall be provided an additional file with the adjustments with regards to the dividend as detailed in 1.1 and 1.2 for futures contracts and 2.1 and 2.2 for options contracts.

The comma separated file shall be named as POWERGRID\_<Member Code>\_ADJUSTED\_POSITIONS.CSV.

This file shall be at client level. The file structure shall be as under:

Position Date	Date
Segment Indicator	'F'
Settlement Type	'S/G'
Clearing Member Code	CM Code
Member Type	'M'/'C'
Trading Member Code	TM Code / CP Code
Account Type	'P'/'C' etc.
Client Account / Code Client	Account No. / Code
Instrument Type	OPTSTK/ FUTSTK
Symbol	POWERGRID
Expiry date	23-Feb-2023 29-Mar-2023 27-Apr-2023
Strike Price	Adjusted Strike Prices
Option Type	'CE'/'PE'
CA Level	0
Post Ex / Asgmt Long Quantity	0
Post Ex / Asgmt Long Value	0
Post Ex / Asgmt Short Quantity	0
Post Ex / Asgmt Short Value	0
C/f Long Quantity	XXX
C/f Long Value*	XXX (value 0 for options contracts)
C/f Short Quantity	XXX
C/f Short Value*	XXX (value 0 for options contracts)

\* C/f Long Value and C/f Short Value shall be provided only for futures contracts. It shall be computed as the product of C/f Long/ Short Quantity and adjusted daily settlement price (i.e. daily settlement price less Rs.5.00).