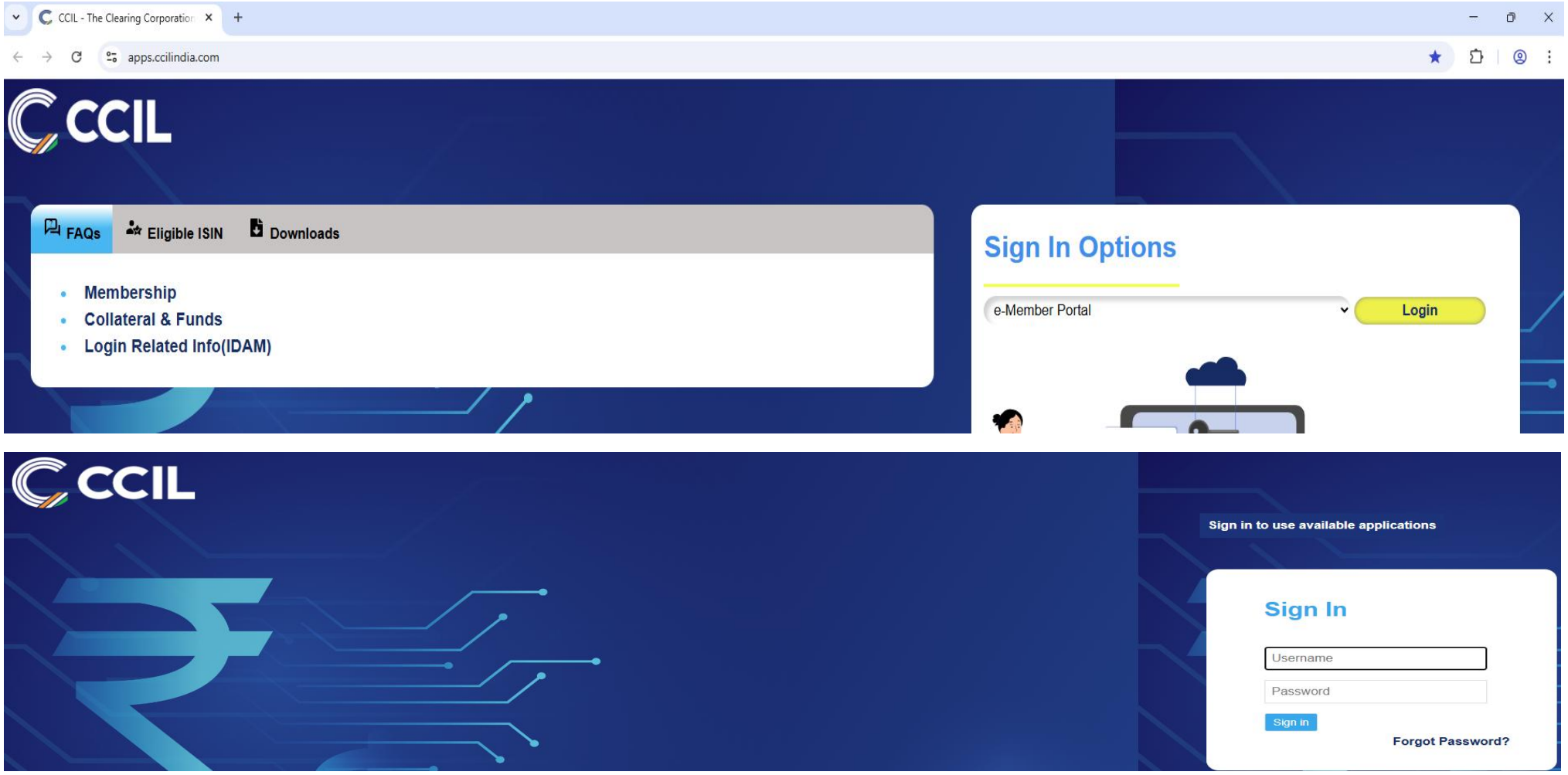
OPERATION MANUAL FOR USDINR FOREX FORWARD SEGMENT MARGIN CALCULATOR

I - ACCESS: User has to login into E-Member Portal to access the margin calculator tool

https://apps.ccilindia.com/ > E-Member Portal > Login



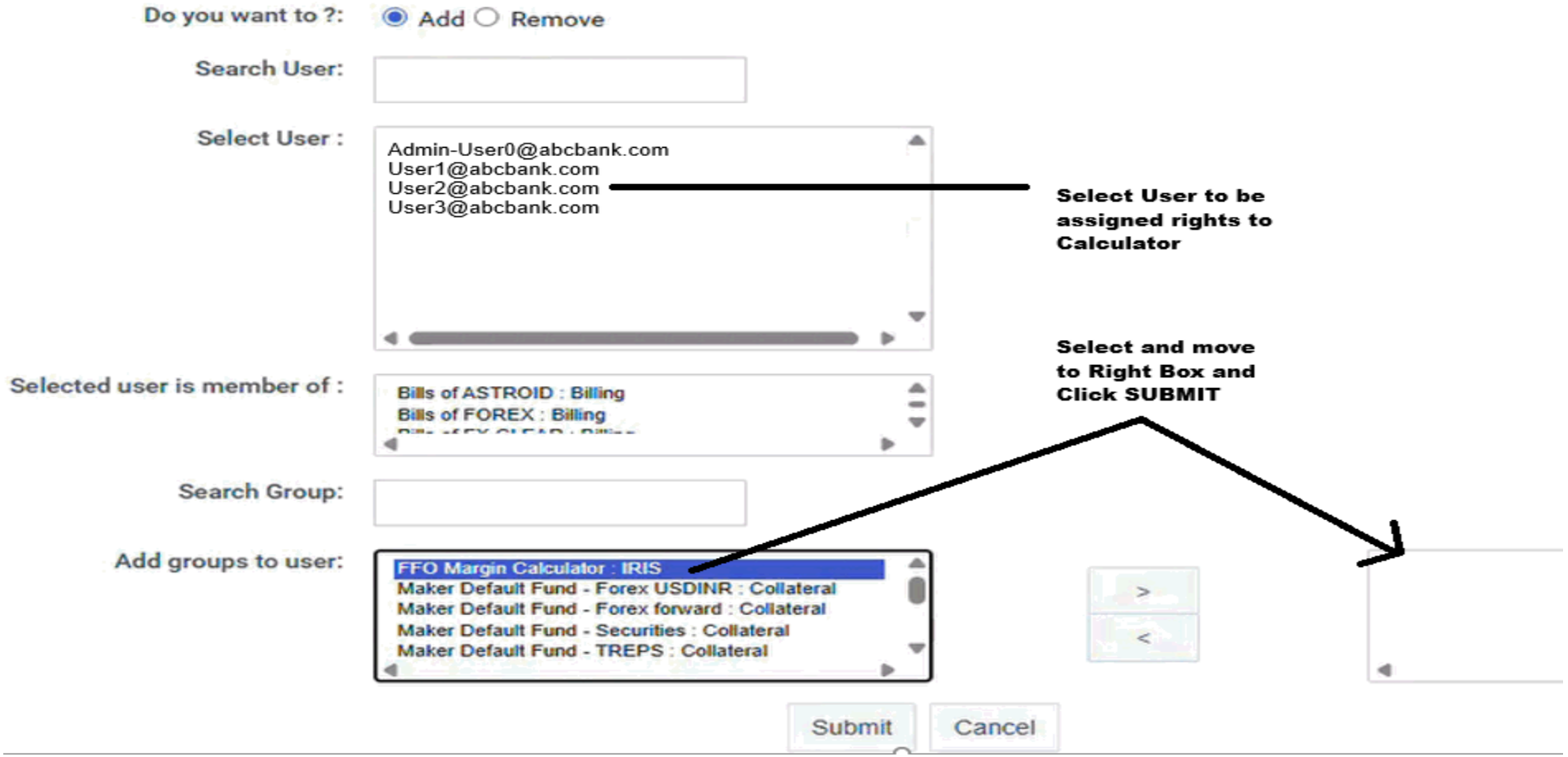
Once logged in, navigate to *'Iris'* > *'Margin Calculator'* > *'Forex Forward'*

II –RIGHTS/PERMISSION TO ACCESS CALCULATOR ON E MEMBER PORTAL

Margin Calculator is hosted under IRIS Tab of E-Member Portal. **https://apps.ccilindia.com/ > E-Member Portal > Login > Iris Tab > Margin Calculator**

In case the normal user of any organization is not able to view the IRIS Tab under his login on E-Member Portal, the Organizations officer acting as ADMIN User for E-Member Portal has to assign the access rights to such normal user, as explain herein below

ADMIN USER: https://apps.ccilindia.com/ > Select **'IDAM Login'** in drop down **> Login >** ***Add***

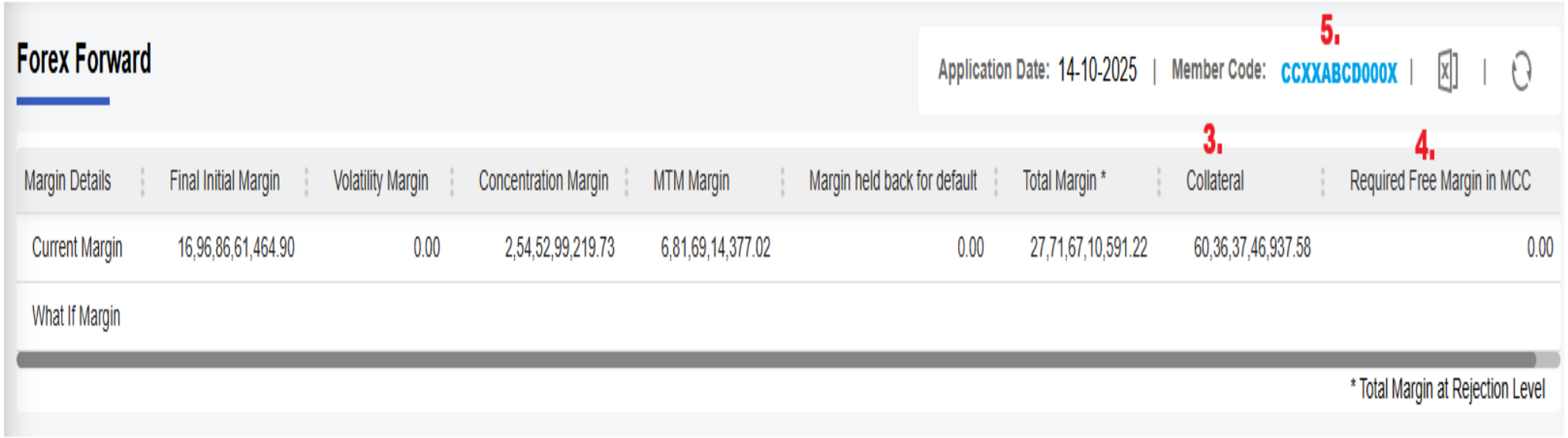


III – FUNCTIONALITY: The tool offers flexibility to estimate margin requirements in below two ways:

- ***Portfolio Level Estimation:*** Calculator assist portfolio level margin estimation wherein member can simulate notional change in margin requirement at total portfolio level (including underlying outstanding cleared trades). Members can assess change in total margin requirement on account of potential trade positions or due to an amendment/cancellation to existing settlement date wise cleared trade position.

  The total margin requirement at portfolio level as estimated using the Calculator would enable members to review their free margin balance available in Member Common Collateral (INR) account and take decision on suitable additional margin deposit (if required to be made) to support actual trade reporting and its clearing at portfolio level.

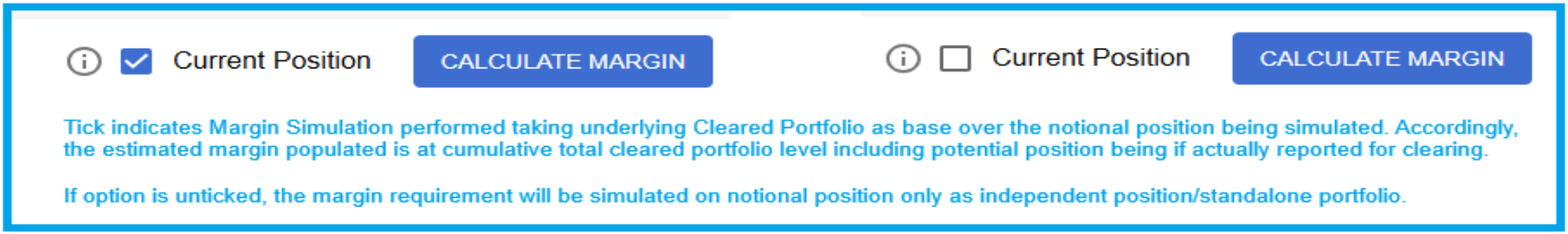
- ***Stand-alone Margin Estimation:*** Member can calculate the notional margin requirements for uploaded/entered trade position independent of underlying cleared portfolio.



Brief Description of various fields in screen above is as under:

1. **[Current Margin]:** The margin values populated in row 1. above are the current actual margin requirement (Initial Margin, Volatility Margin, MTM margin, Concentration margin) on cleared outstanding portfolio of member in Forex Forward segment.

2. **[What if Margin]:** This is the notional margin estimated by the calculator basis the potential positions entered/upload by member as part of simulation instance. The margin values populated here are either at *cumulative total portfolio level* or *standalone notional position level* based on simulation option opted by member for the said simulation instance.



3. **[Collateral]:** The value populated in field 'Collateral' under Current Margin row, is the actual margin presently blocked from the Member Common Collateral (MCC) account toward forex forward segment. It includes the margin blocked toward outstanding cleared trades plus additional margin (if any) prescribed & blocked for forex forward segment toward potential trades to be reported and cleared.

   Above Collateral balance as displayed in the Calculator **does not** include the unutilized/free margin available in MCC account of member at such time (i.e., the available MCC balance post utilization towards margin requirements of various segments accessing the common margin pool). Member can review this unutilized margin balance in MCC on *'Integrated Risk Information System' (https://iris.ccilindia.com/)*

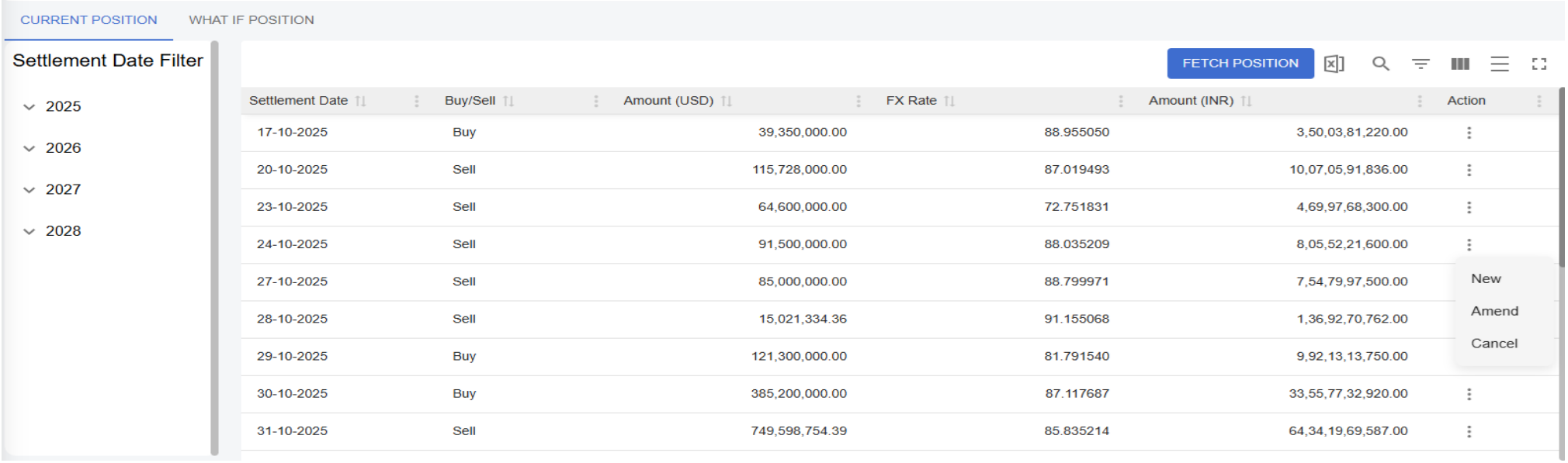
4. **[Required free margin in MCC]:** This value will be populated if the estimated "What if Total margin" (at 2. above) is higher than "actual collateral value blocked for Forex Forward Segment from MCC account of member (3. above)". The value displayed on the Calculator under field 'Required Free Margin' is the expected additional margin which would be auto-blocked from MCC balance towards Forex Forward Segment, if the simulated trades are actually reported to CCIL for Clearing. User may please note that the actual reporting of trade is a separate and independent process, not connected or interfacing with the simulation carried out in the Calculator.

IMPORTANT: Accordingly, before actual trade reporting to CCIL, member can verify the available/unutilized margin balance in its MCC account as reviewed via *'Integrated Risk Information System' (https://iris.ccilindia.com/)* and can take necessary decision on deposit of additional collateral to its MCC margin account (if required) to get potential trades cleared once reported.

IV – HOW TO SIMULATE / ESTIMATE MARGIN

APPROACH 1 – MANUAL ENTRY OF TRADE POSITION/S FOR SIMULATION

Step – 1: Click '**FETCH POSITION**' button under tab <CURRENT POSITION>



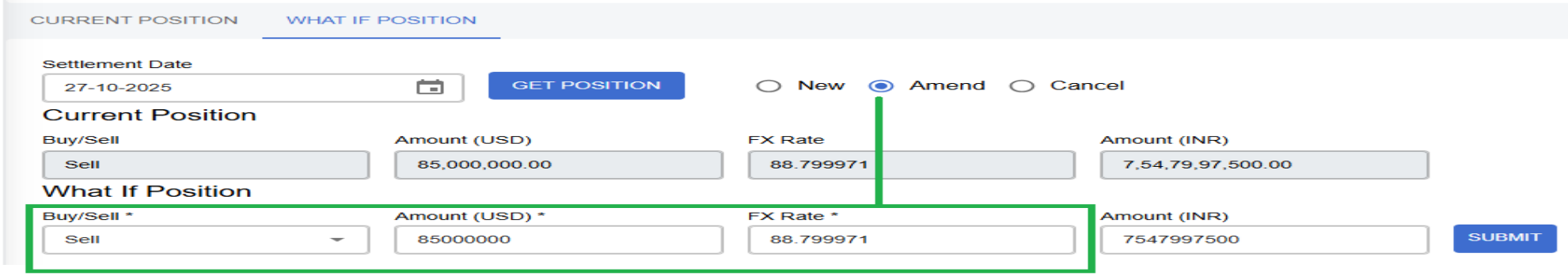
Step – 2: On clicking 'Fetch position' button, System will display the existing settlement date-wise cleared positions of member.

Step – 3: Click and select the **Action** to be performed on the existing position, which include either of below actions

- NEW: Add incremental buy/sell position over the underlying net position for identified settlement date/s
- AMEND: Update/Override the existing identified settlement date-wise position/s
- CANCEL: Update the existing identified settlement date-wise position/s to zero

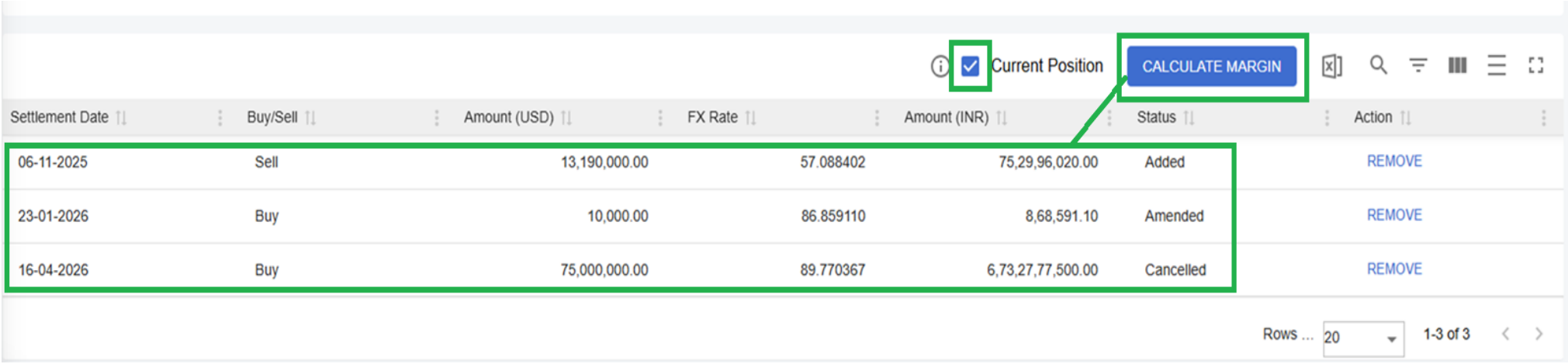
Step – 4: On selection of any of the above Action, the selected position will be moved to adjacent **'WHAT IF POSITION'** section

Step – 5: For NEW/AMEND action - Enter the Transaction Type as Buy or Sell, USD Amount and Fx Rate and then click **SUMBIT**

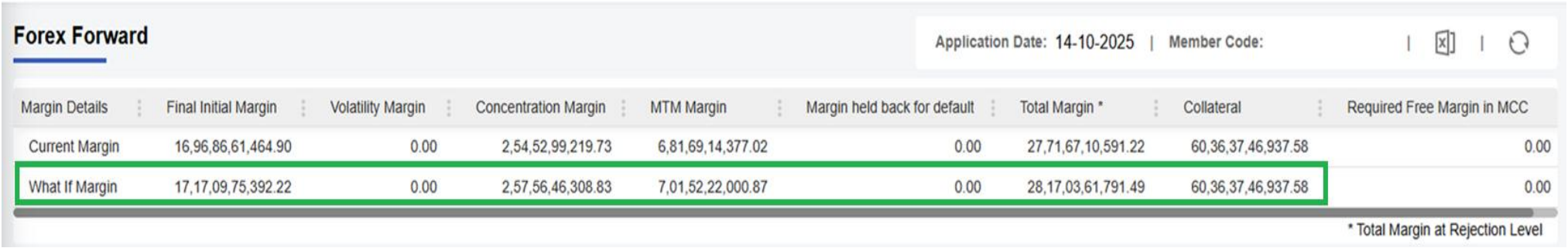


Step – 6: User can submit what-if positions for multiple settlement date one~by~by in a single instance of simulation by repeating Step-5.

Step – 7: Submitted what-if positions will be displayed in Simulation area, user can take Export of the same for record. By default, the Check Box for Portfolio level margining for submitted position would be ticked, however user may untick the box for computing standalone margin on submitted positions. Calculator will perform estimated margin computation on clicking **'CALCULATE MARGIN'** Button.



Step – 8: The estimated margin numbers will be populated in What-if Margin Row highlighted below. This completes the simulation instance.



Margin Details	Final Initial Margin	Volatility Margin	Concentration Margin	MTM Margin	Margin held back for default	Total Margin *	Collateral	Required Free Margin in MCC
Current Margin	16,96,86,61,464.90	0.00	2,54,52,99,219.73	6,81,69,14,377.02	0.00	27,71,67,10,591.22	60,36,37,46,937.58	0.00
What If Margin	17,17,09,75,392.22	0.00	2,57,56,46,308.83	7,01,52,22,000.87	0.00	28,17,03,61,791.49	60,36,37,46,937.58	0.00

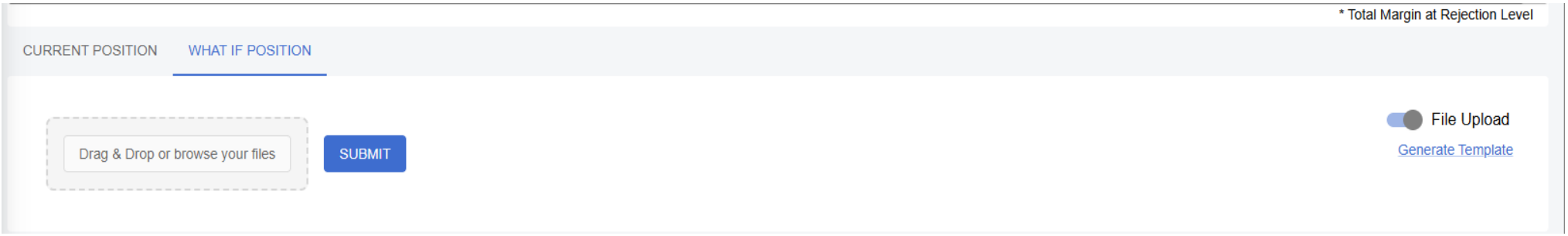
* Total Margin at Rejection Level

If the total margin requirement as estimated is lower than collateral value, the value in field 'Required Free margin in MCC' will be shown zero. A non-zero positive value displayed in said field, denotes the amount that would be additional blocked from MCC balance when the simulated trade position is actually reported to Forex Forward Segment for Clearing (Please refer Para II (4) above).

Step-9: It is mandatory to click 'FETCH POSITION' button before every subsequent simulation instance.

APPROACH 2 – TRADE FILE UPLOAD FOR SIMULATION

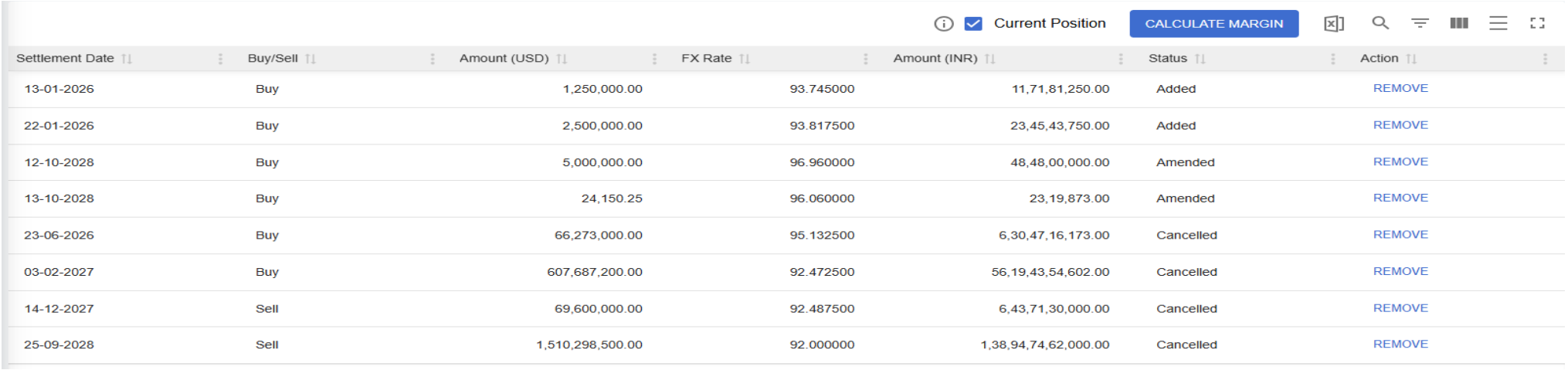
Step – 1: Switch to File Upload Option and click on 'Generate Template'



Step – 2: Fill in the settlement date wise trade positions along with action to be performed in the downloaded template file and then submit the update file back into the calculator and click 'SUBMIT'

	A	B	C	D	E	F
1	**Settlement Date**	**Buy/Sell**	**USD Amount**	**FX Rate**	**INR Amount**	**Action(Added/Amended/Cancelled)**
2	13-Jan-2026	Buy	12,50,000.00	93.7450	11,71,81,250.00	Added
3	22-Jan-2026	Buy	25,00,000.00	93.8175	23,45,43,750.00	Added
4	12-Oct-2028	Buy	50,00,000.00	96.96	48,48,00,000.00	Amended
5	13-Oct-2028	Buy	24,150.25	96.06	23,19,873.00	Amended
6	23-Jun-2026	Buy	6,62,73,000.00	95.1325	6,30,47,16,173.00	Cancelled
7	03-Feb-2027	Buy	60,76,87,200.00	92.4725	56,19,43,54,602.00	Cancelled
8	14-Dec-2027	Sell	6,96,00,000.00	92.4875	6,43,71,30,000.00	Cancelled
9	25-Sep-2028	Sell	1,51,02,98,500.00	92.0000	1,38,94,74,62,000.00	Cancelled

Step – 3: The submitted what-if positions will be displayed in Simulation area. User can take Export of the same for record. By default, the Check Box for Portfolio level margining for submitted position would be ticked, however user may untick the box for computing standalone margin on submitted positions. Calculator will perform estimated margin computation on clicking **'CALCULATE MARGIN'** Button. This completes the current Simulation instance.



Settlement Date	Buy/Sell	Amount (USD)	FX Rate	Amount (INR)	Status	Action
13-01-2026	Buy	1,250,000.00	93.745000	11,71,81,250.00	Added	REMOVE
22-01-2026	Buy	2,500,000.00	93.817500	23,45,43,750.00	Added	REMOVE
12-10-2028	Buy	5,000,000.00	96.960000	48,48,00,000.00	Amended	REMOVE
13-10-2028	Buy	24,150.25	96.060000	23,19,873.00	Amended	REMOVE
23-06-2026	Buy	66,273,000.00	95.132500	6,30,47,16,173.00	Cancelled	REMOVE
03-02-2027	Buy	607,687,200.00	92.472500	56,19,43,54,602.00	Cancelled	REMOVE
14-12-2027	Sell	69,600,000.00	92.487500	6,43,71,30,000.00	Cancelled	REMOVE
25-09-2028	Sell	1,510,298,500.00	92.000000	1,38,94,74,62,000.00	Cancelled	REMOVE

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