BIDDER'S GUIDE FOR SPECTRUM AUCTIONS

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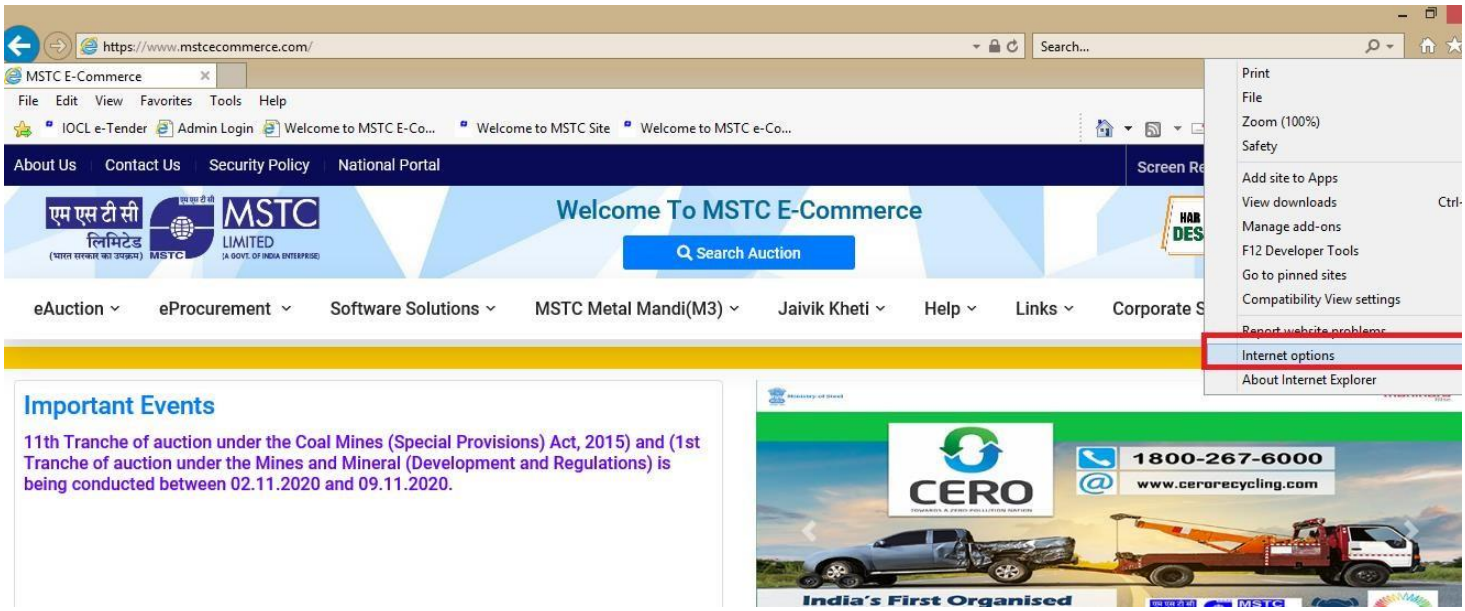
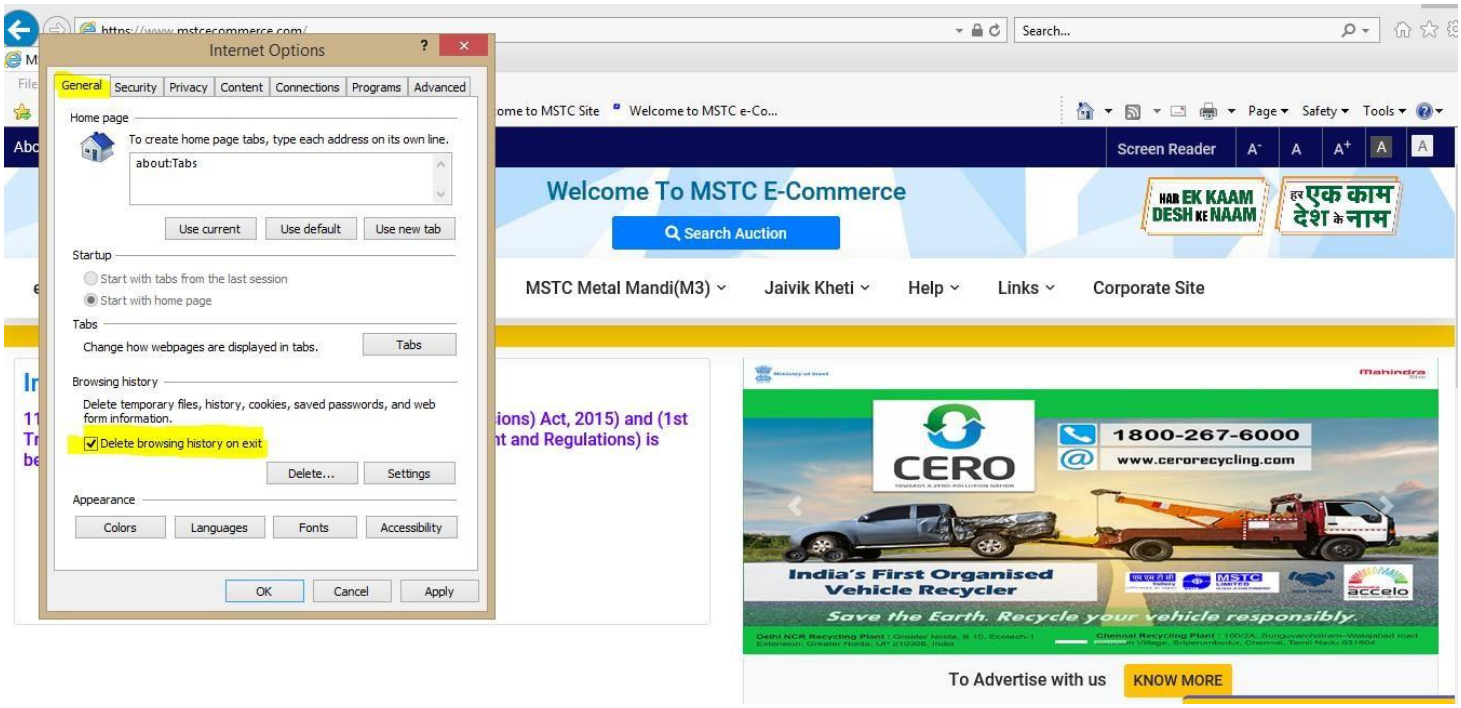
Internet Explorer Settings:

(Client must request for the Enterprise application system through browsers: Internet Explorer v 10 or v 11). The following system related settings must be done for successful login and bidding:

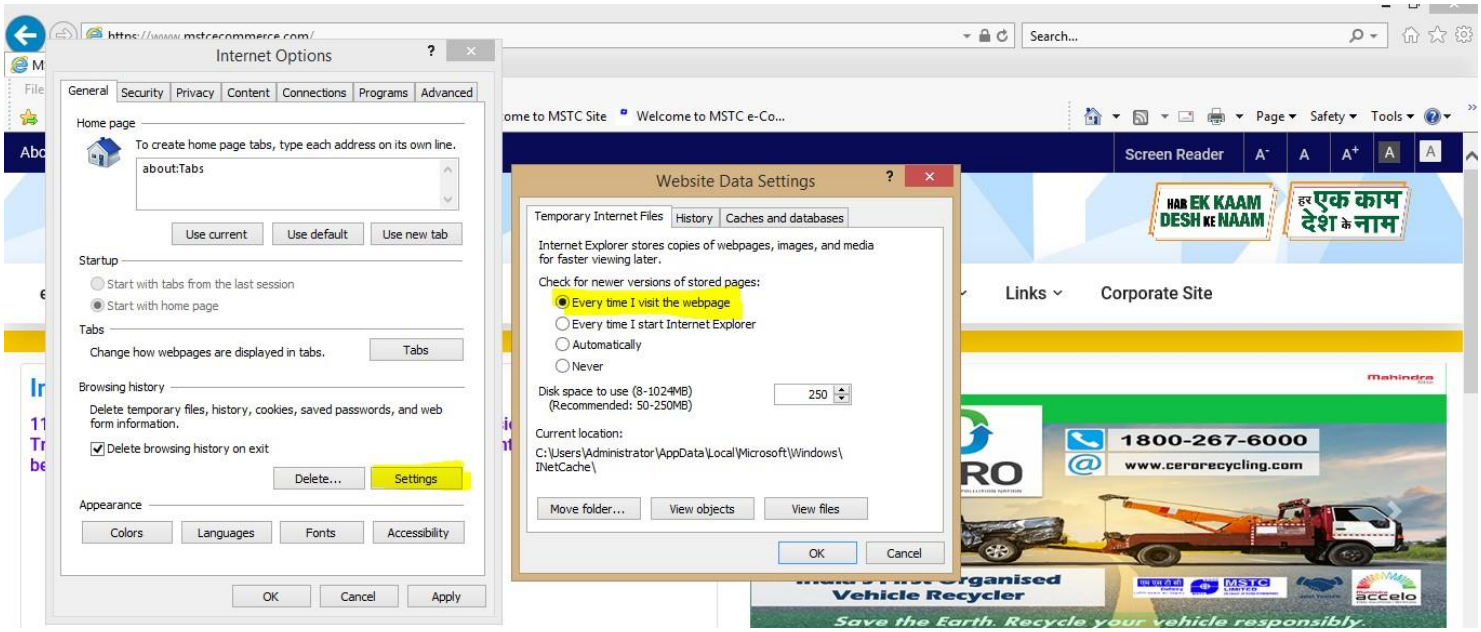
Go to Tools -> internet Options:



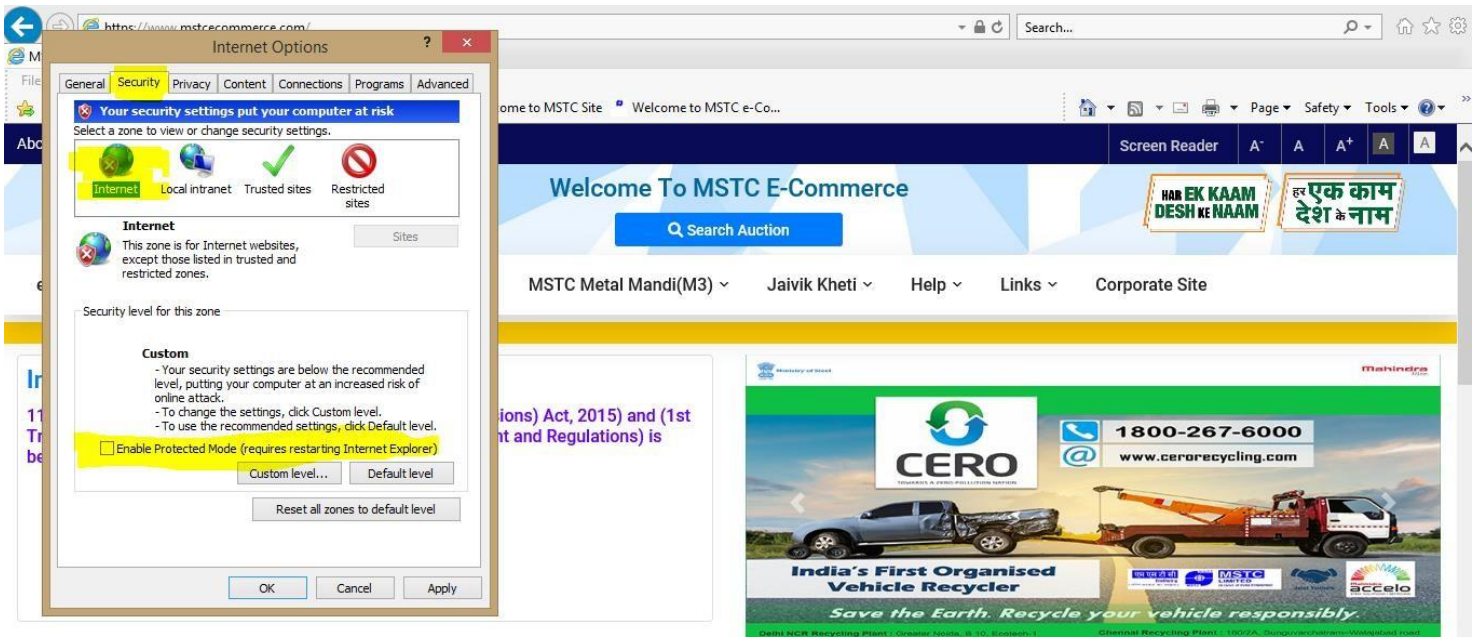
Go to **General Tab,** 'Delete Browsing history should be checked':



Click on Settings → In the next pop up, the radio button ‘Every time I visit the website, should be clicked

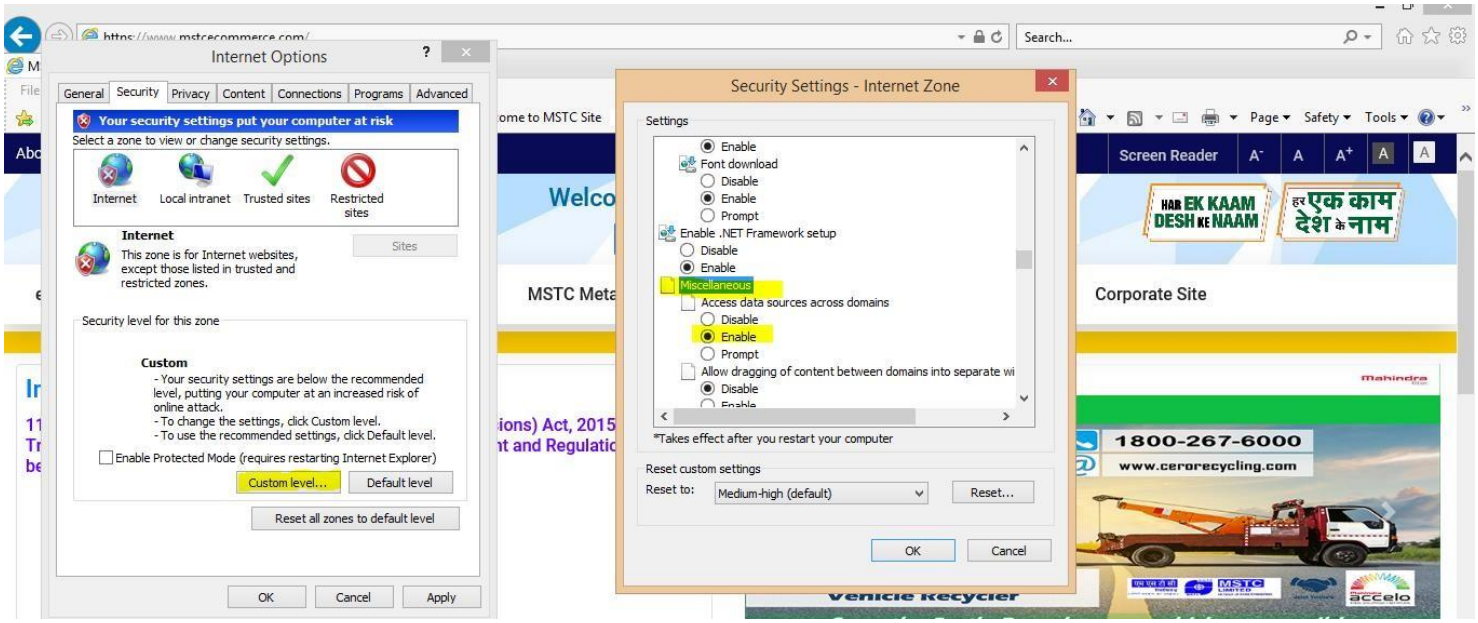


Click on ‘**Security**’ tab → followed by ‘Internet’ icon. Uncheck the **‘Enable protected mode (requires restarting Internet Explorer)’** checkbox.

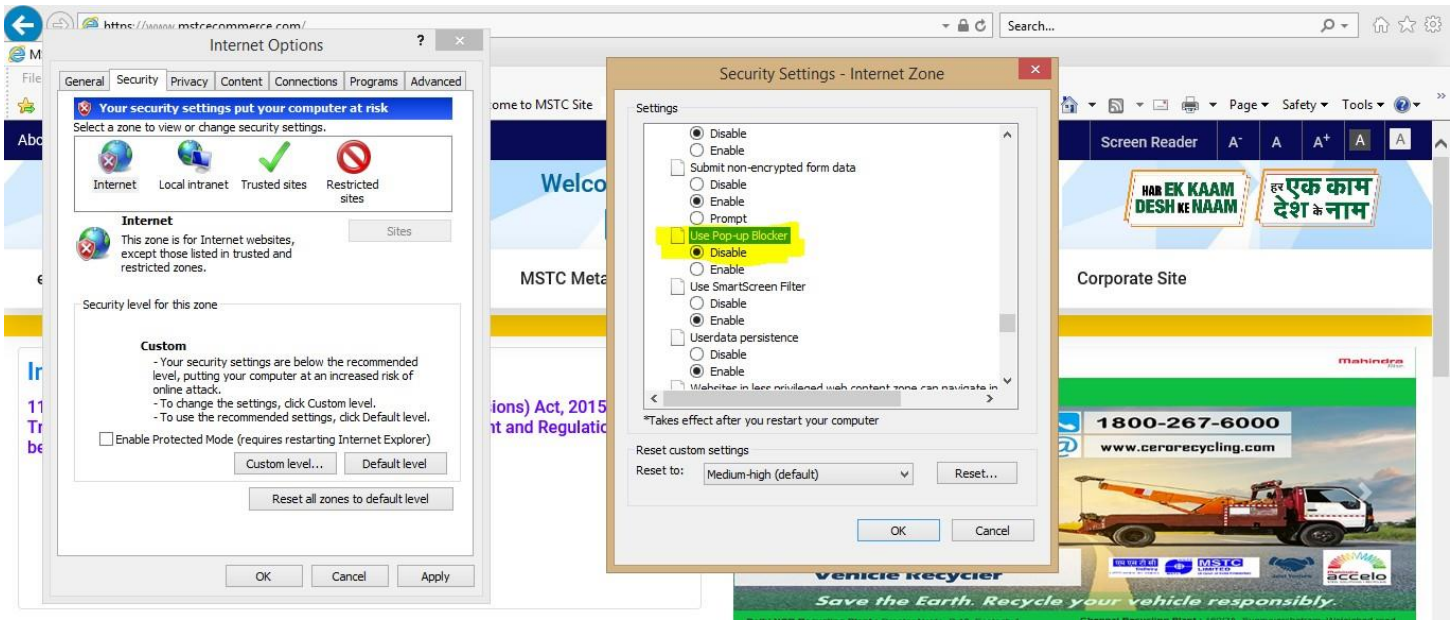


Now click on ‘**Custom Level…**’ button:

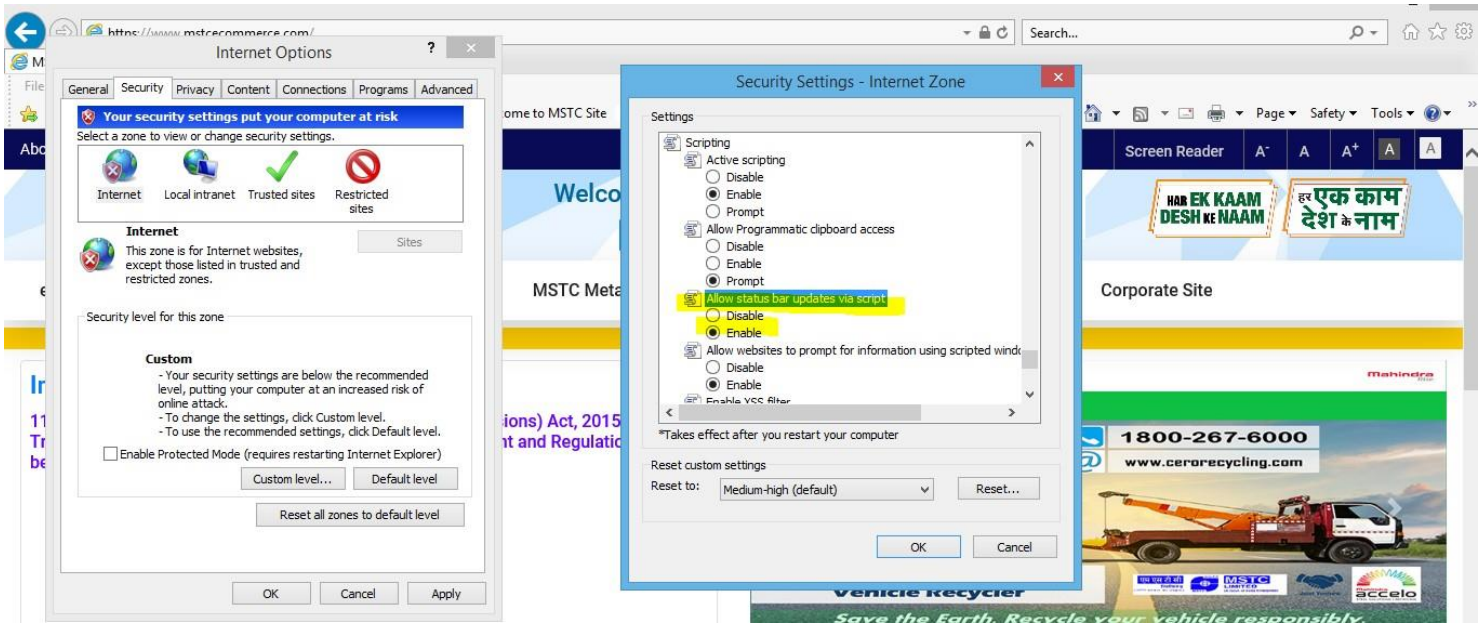
1) In the next pop up, press ‘M’ in the keyboard to find the ‘Miscellaneous’ menu item
2) ‘Enabled should be’ selected against this menu item.



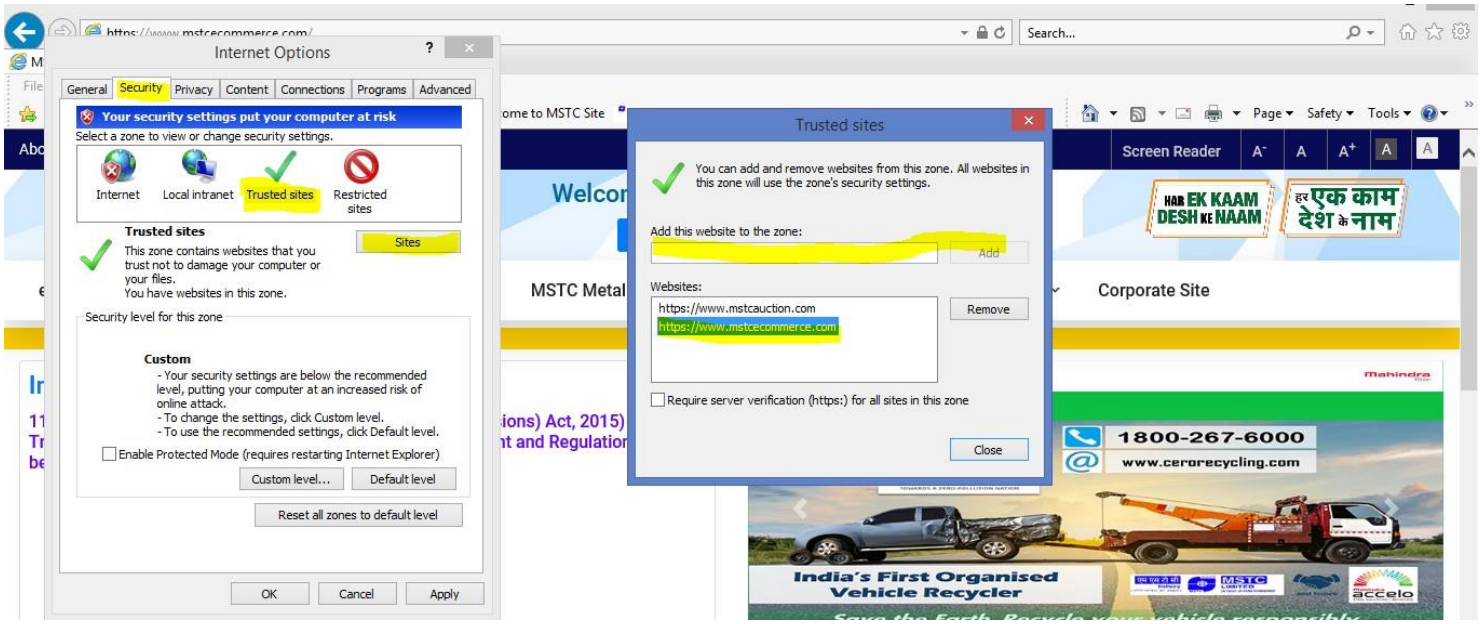
Press ‘U’ to find **Use pop up blocker** → it should be disabled



Select **Scripting:** and the menu item **"Allow Status Bar Update Via Script"** should be enabled



Click 'OK'. Now click on '**Trusted Site'** icon → Sites. In the pop up, enter the URL: https://www.mstcecommerc.com and add .

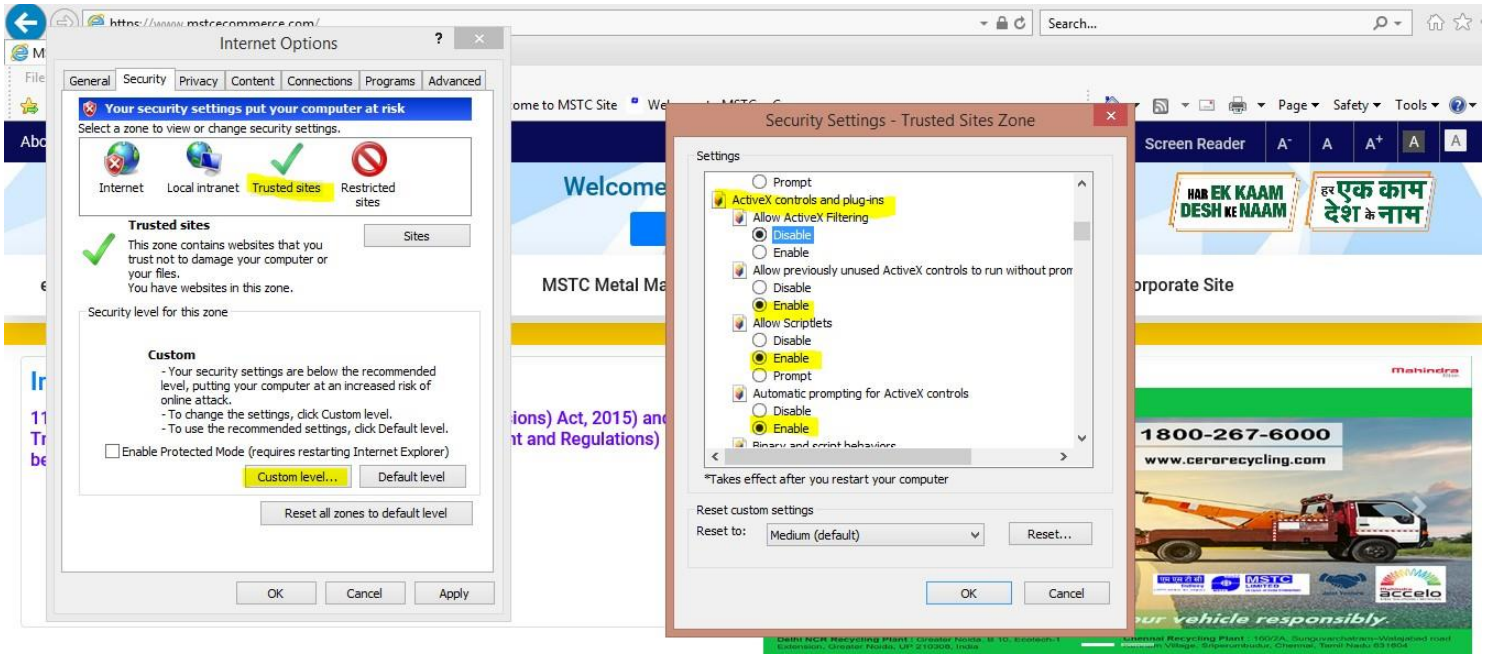


Now for **'Trusted Sites',** click on **Custom Level**.

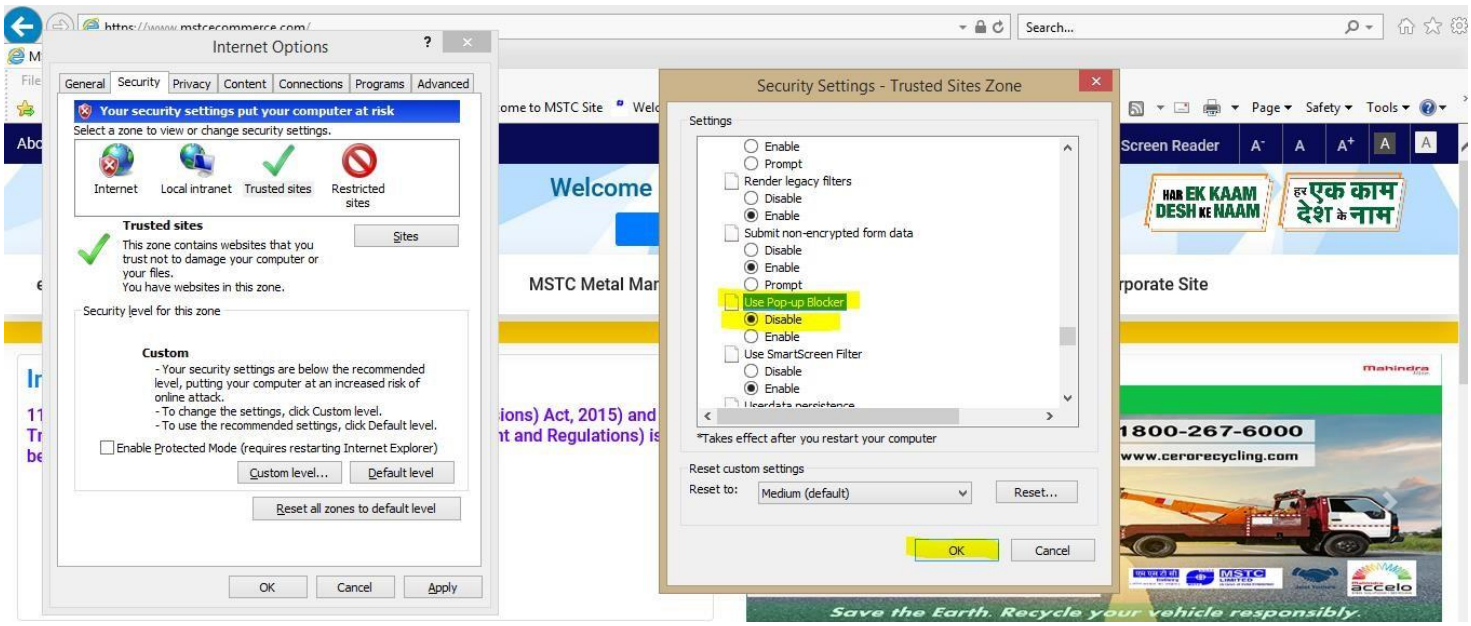
1) Press 'A' in the keyboard to find '**Active X controls and plug-ins'.**

2) The first item i.e. 'Allow Active X filtering' should be disabled

3) All other menu items under the head 'Allow Active X filtering' should be enabled.

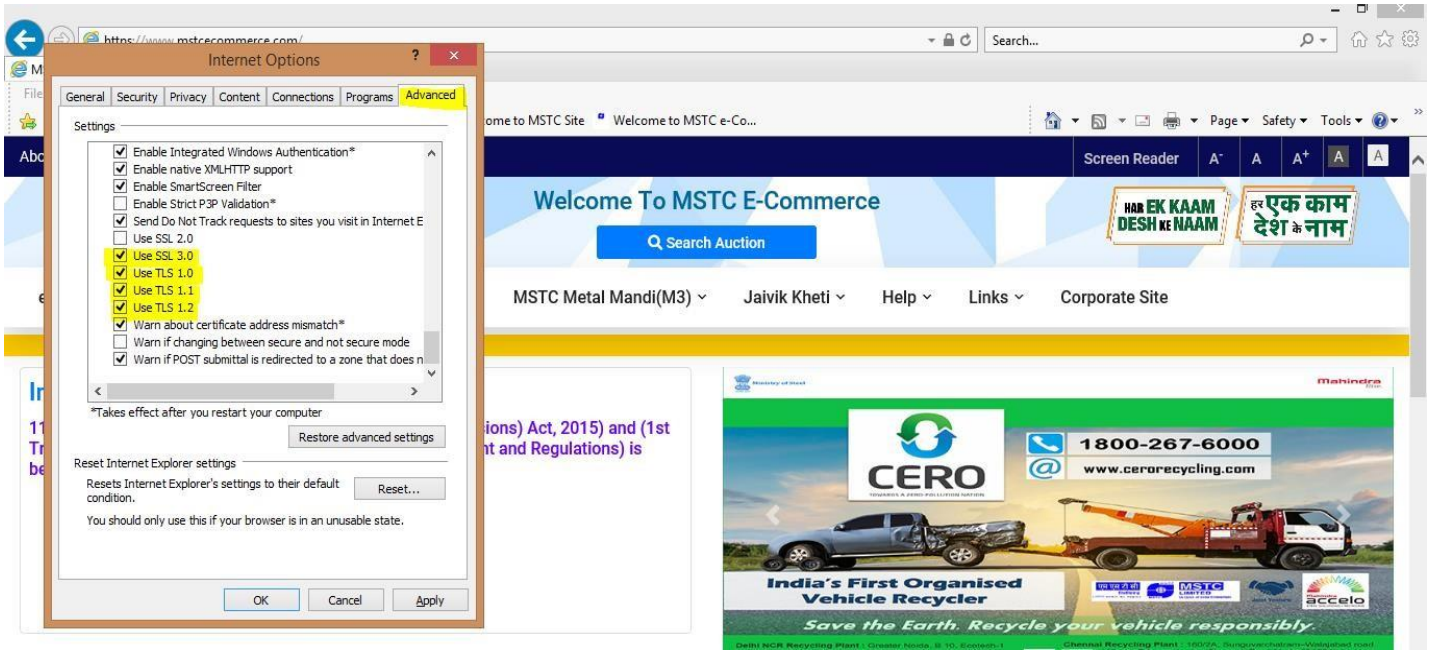


Now press ‘U’ in keyboard to search **‘Use pop up blocker’** – It should be disabled and finally click ‘OK’.



Finally click on the **‘Advanced’** tab. All the following checkboxes should be ticked:

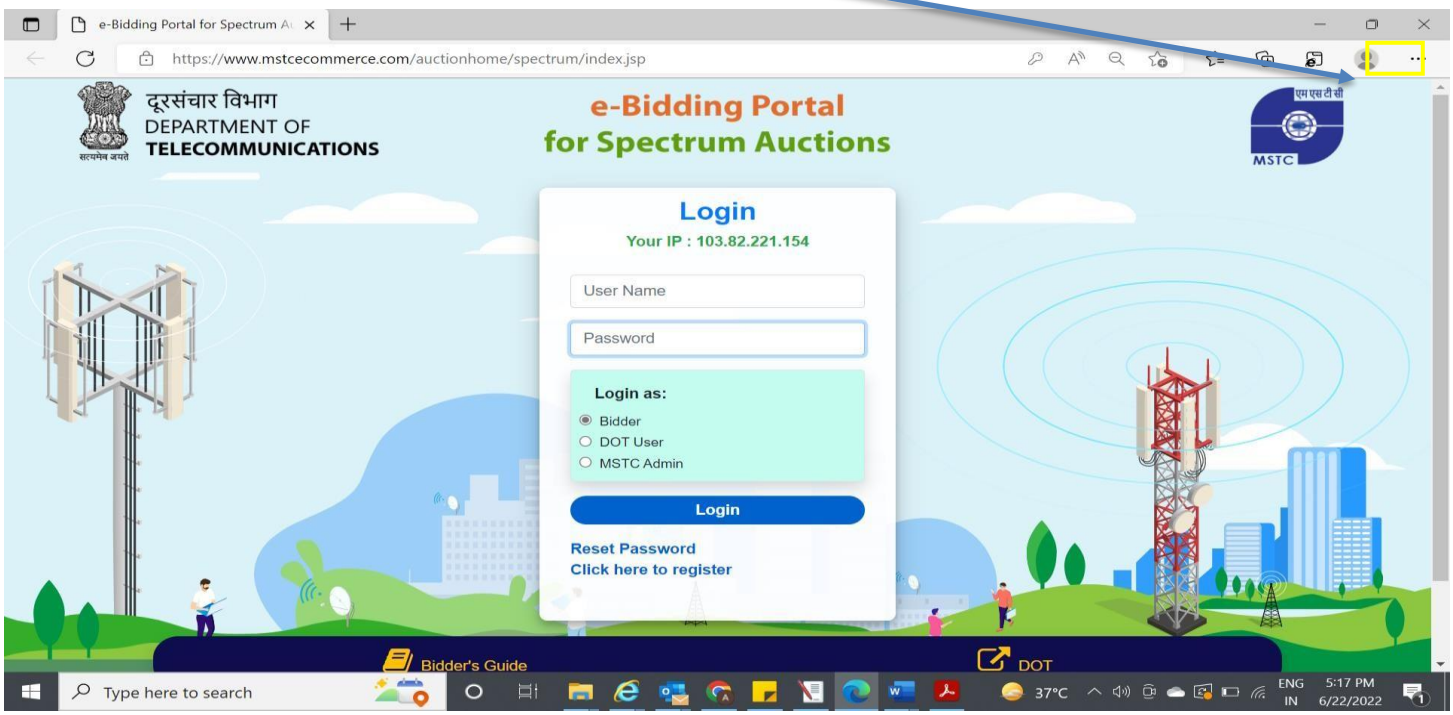
- Use SSL 3.0
- Use TLS 1.0
- Use TLS 1.1
- Use TLS 1.2
- Use TLS 1.3 (available in IE v11)



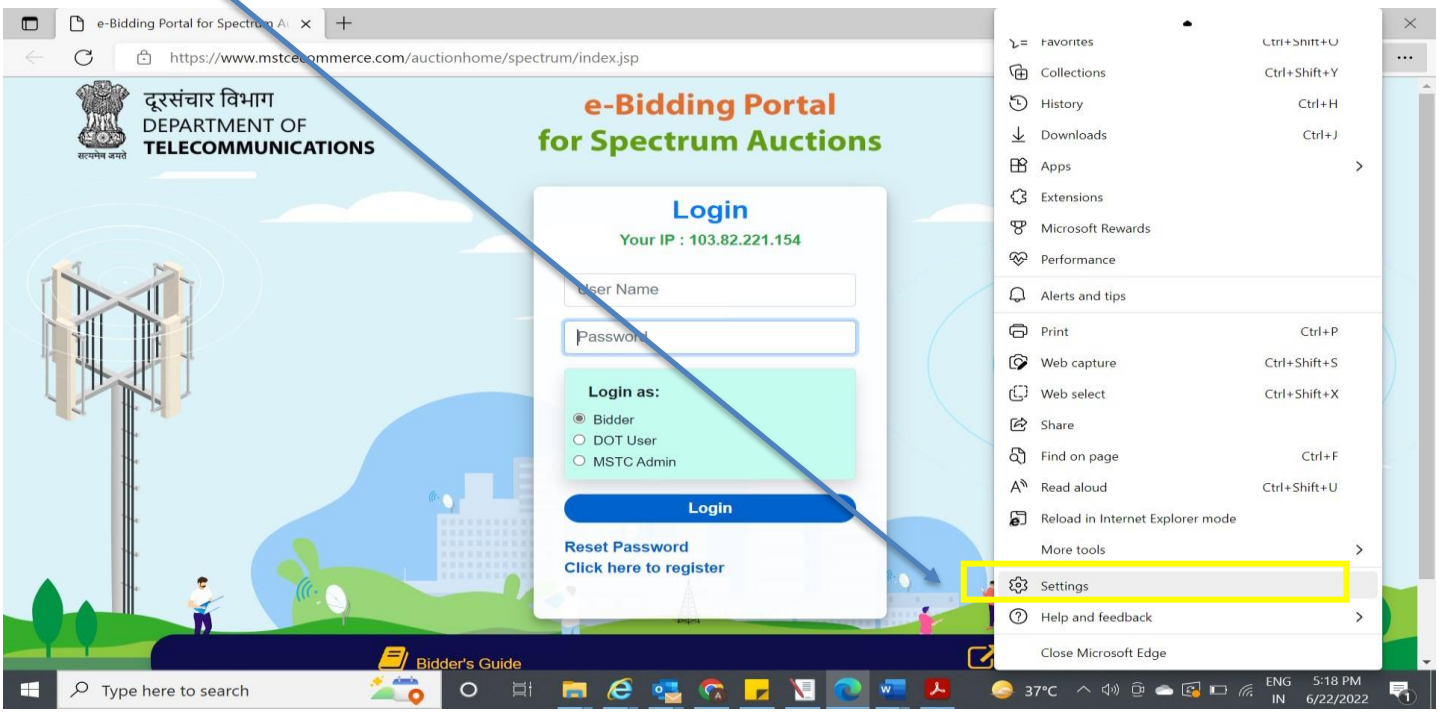
Click on ‘Apply’ and ‘OK’.

Browser settings for Microsoft Edge:

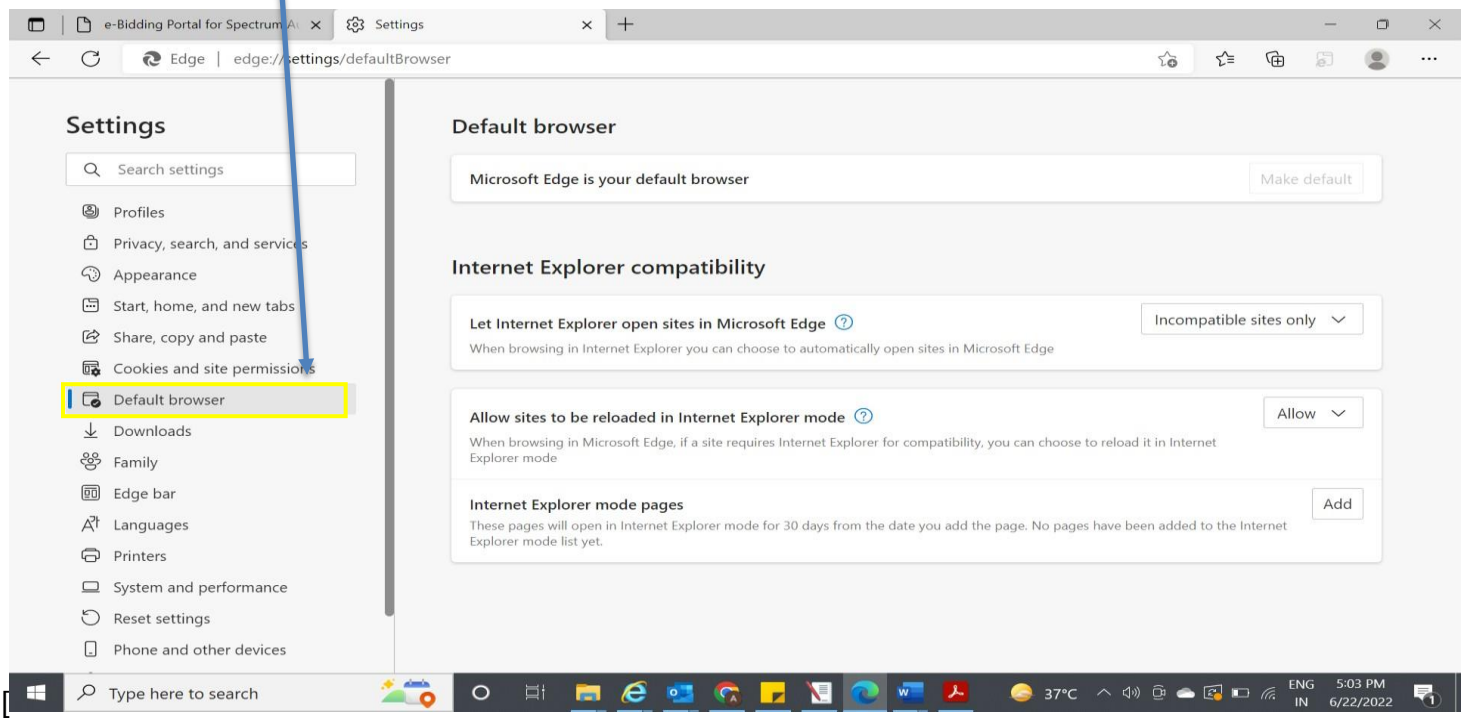
Open Microsoft Edge and click on the icon to open "**settings and more**"



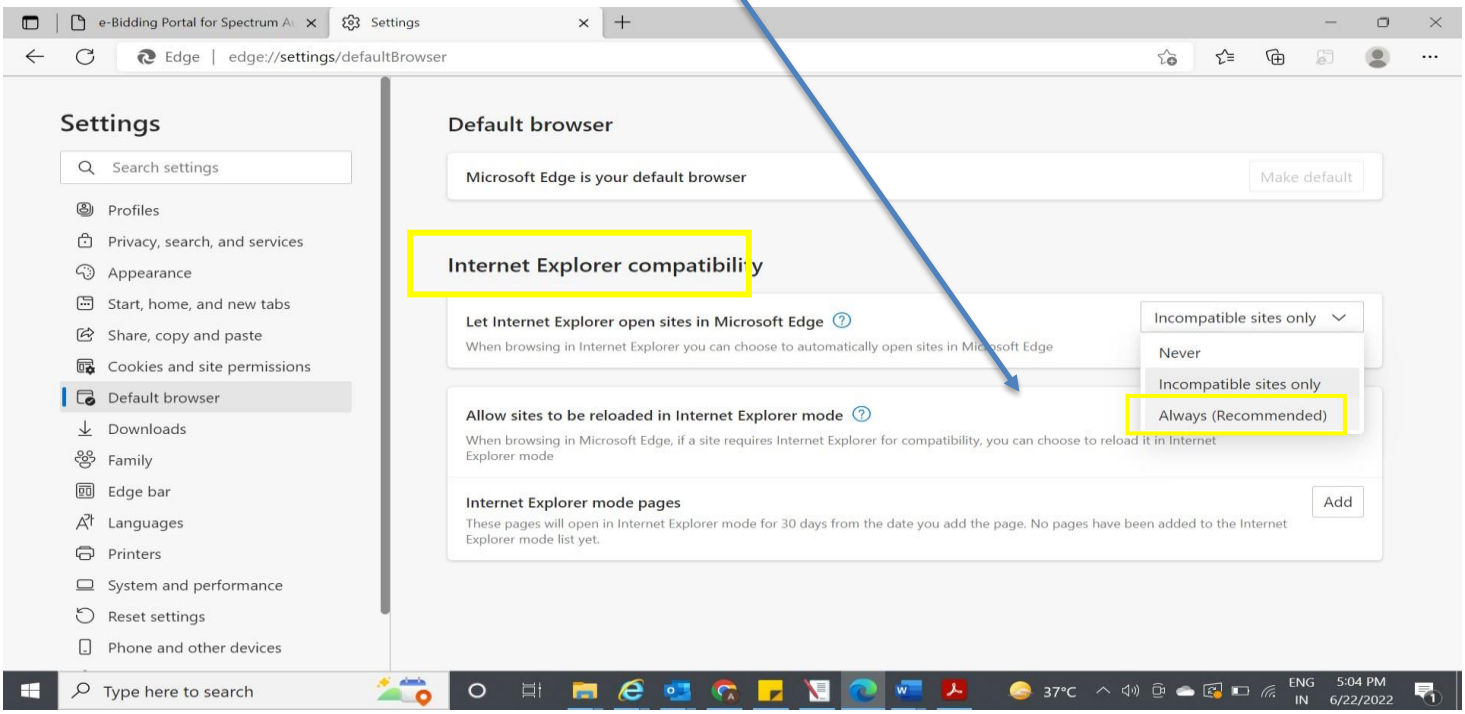
Click on **Settings** appearing in the right pane



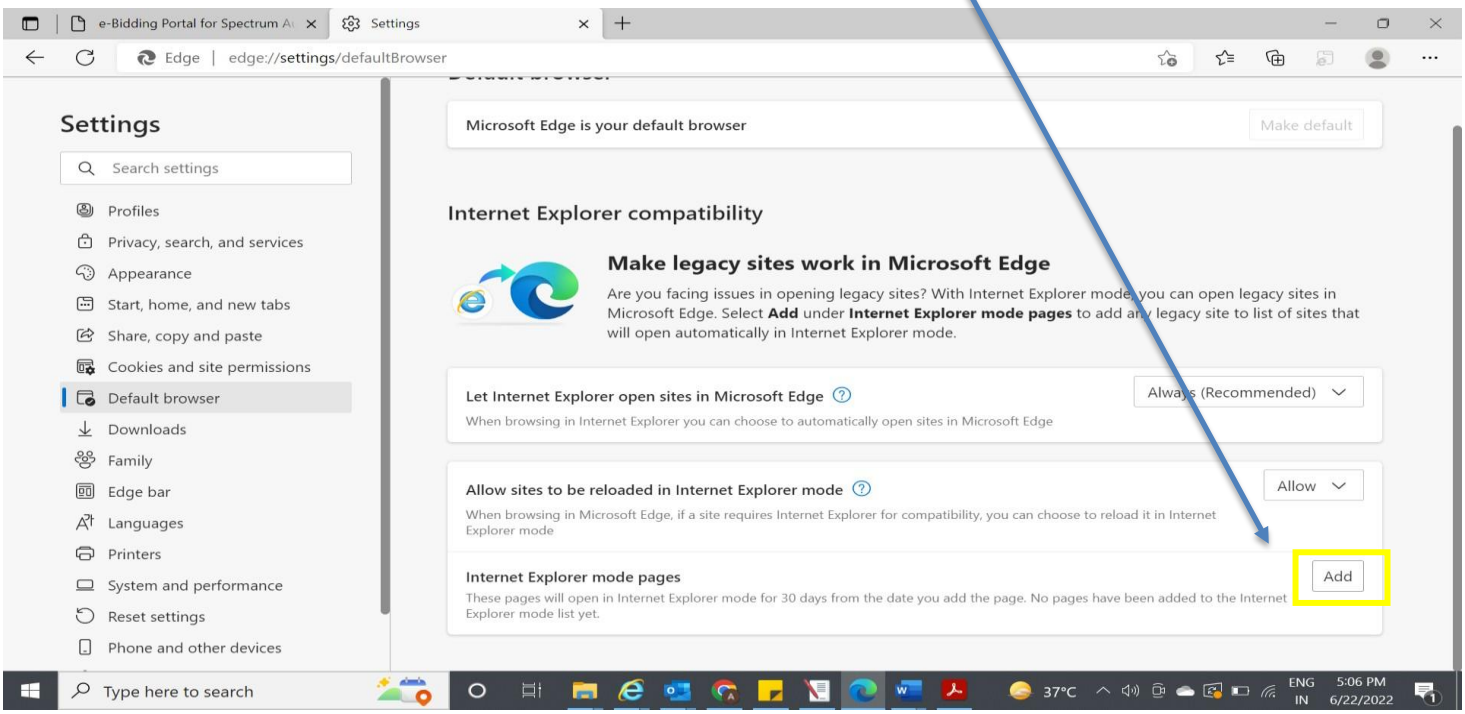
Click on "**Default browser**"



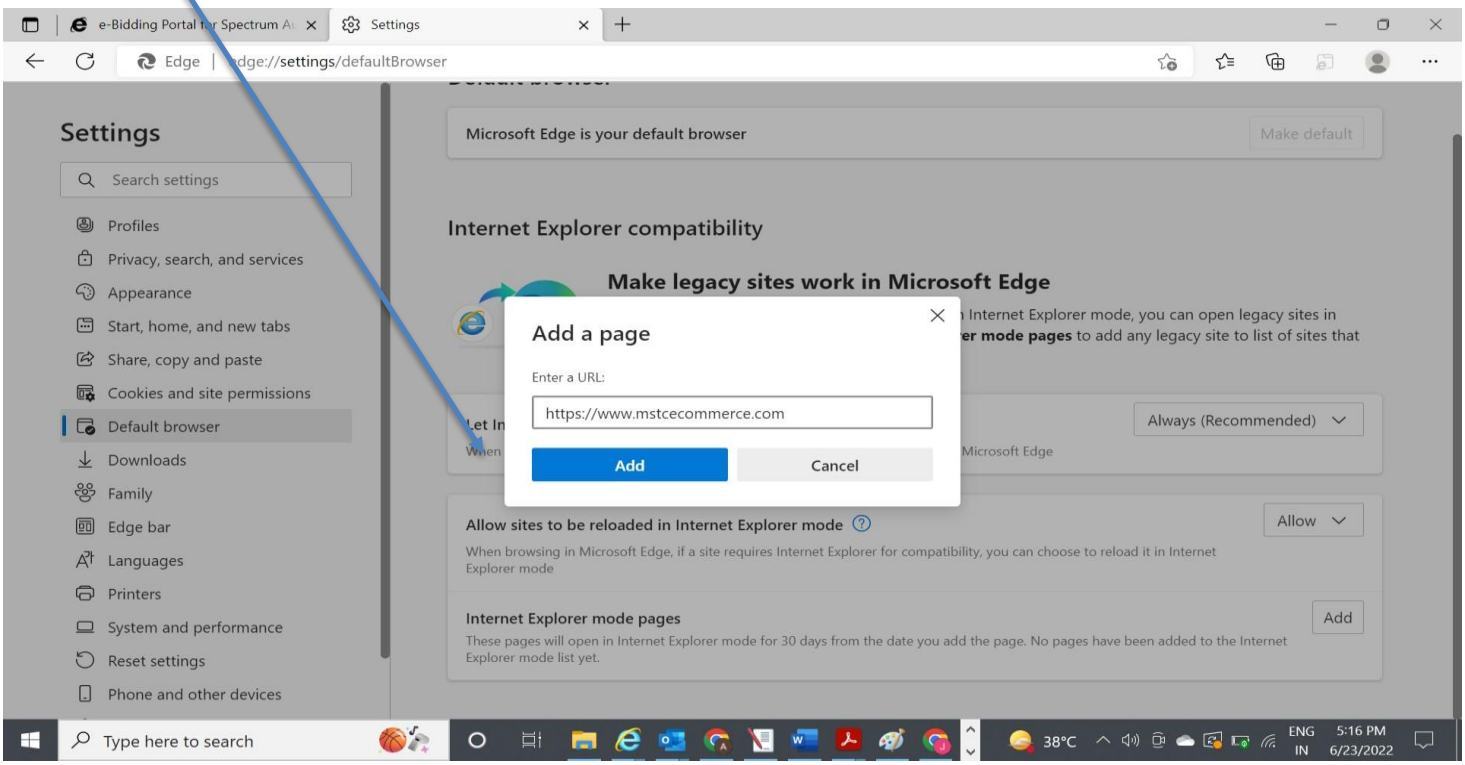
In Internet Explorer compatibility→Select **Always (recommended)** from the dropdown menu available under" **Let Internet Explorer open sites in Microsoft Edge**"



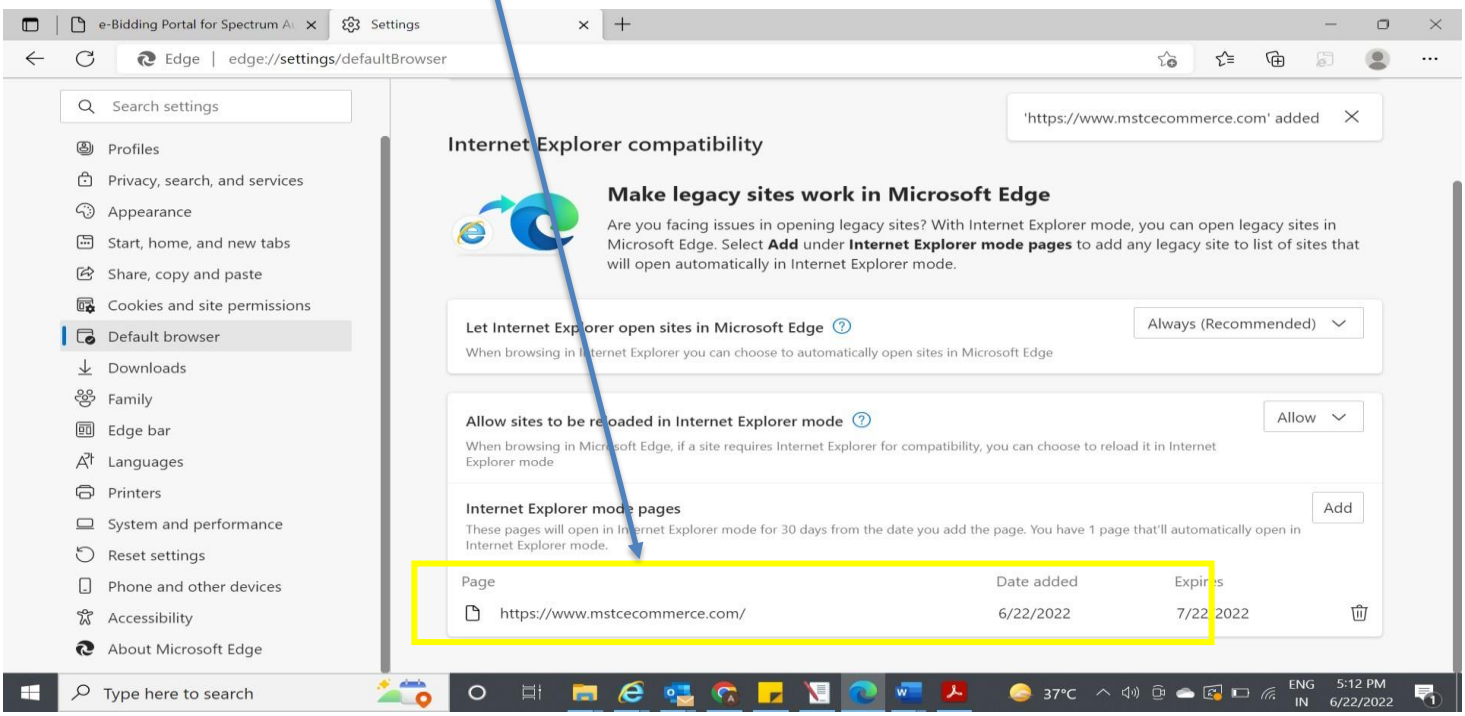
On the same screen under "**In Internet Explorer Mode pages**"→Click on "**Add**" and enter the website address a https://www.mstcecommerce.com



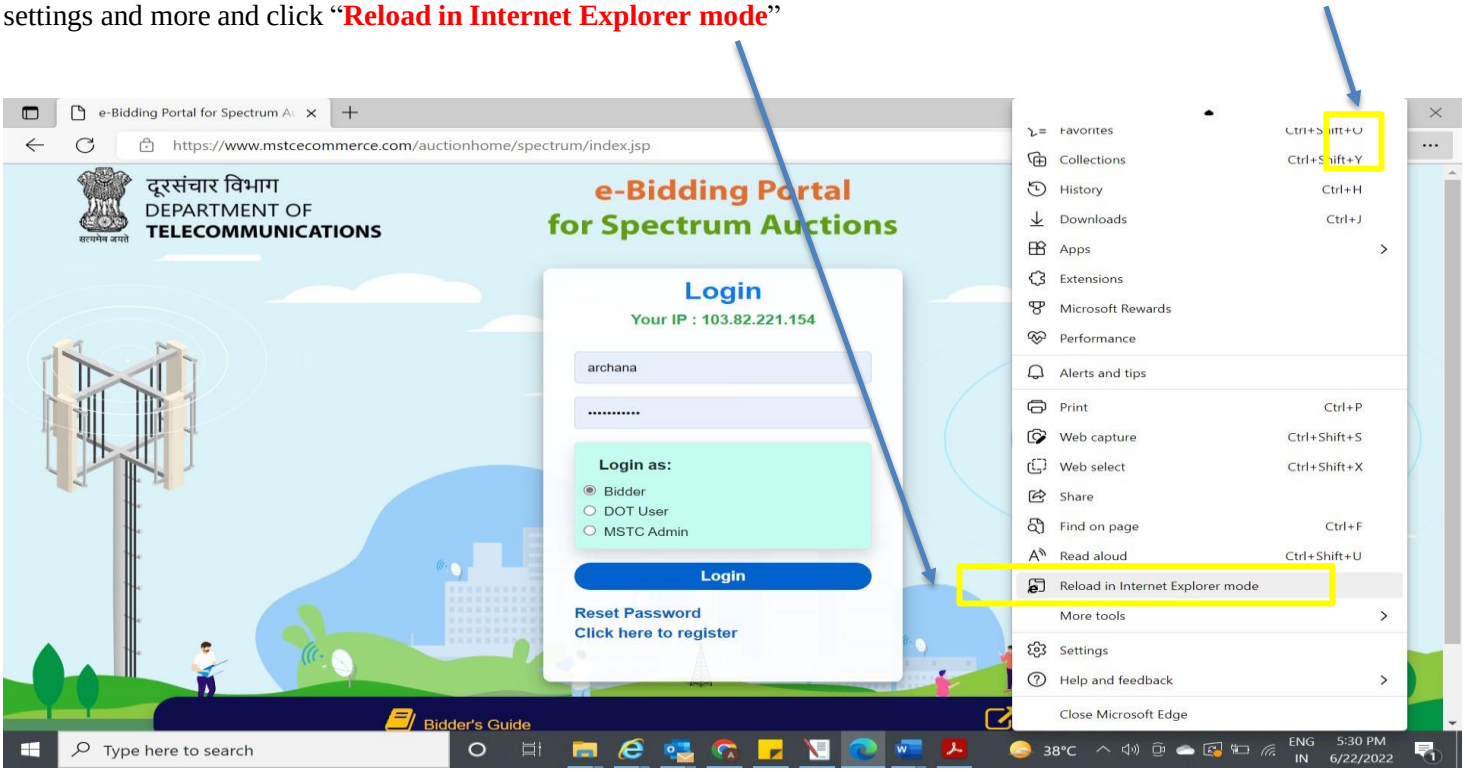
Click on "**Add**" after entering the address of the website.



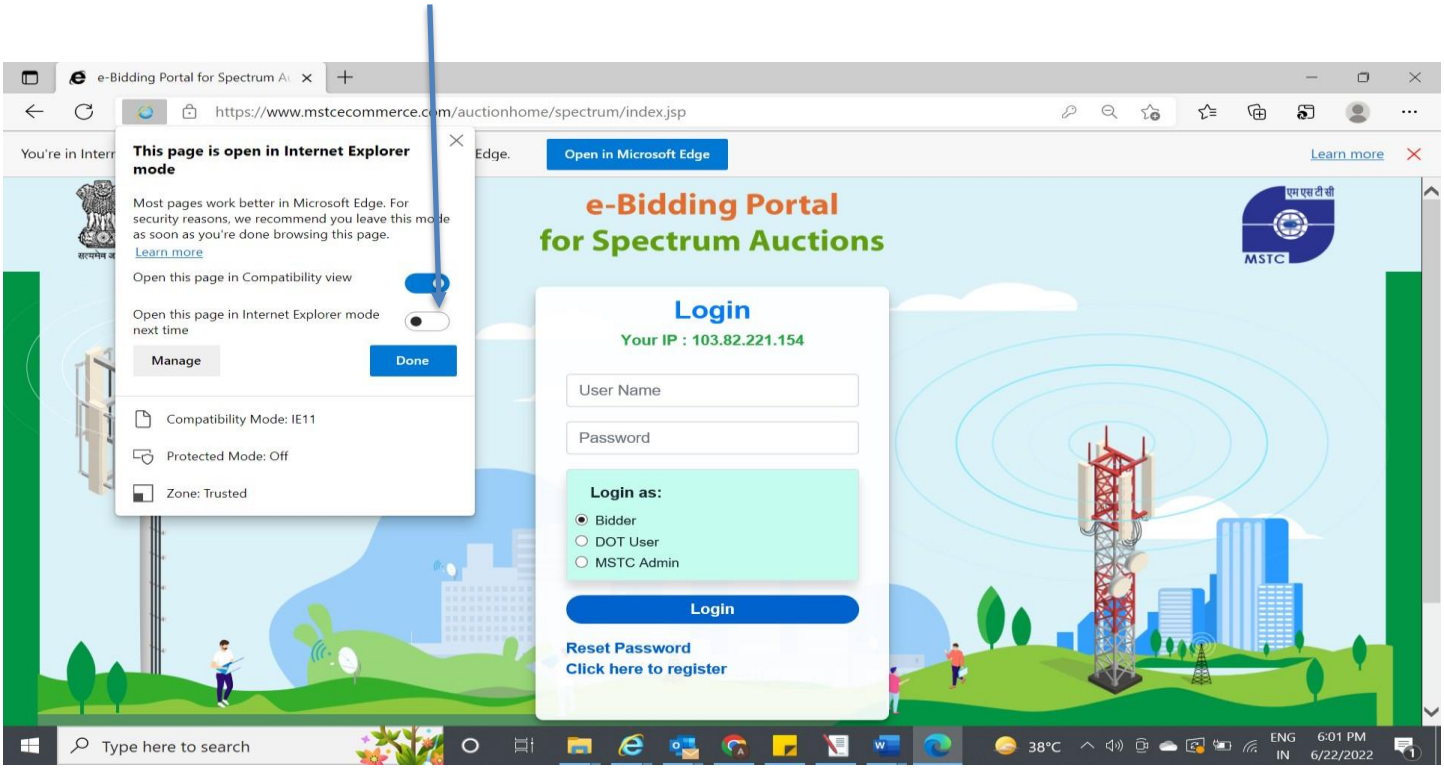
On adding the website https://www.mstcecommerce.com, it will start appearing as below:



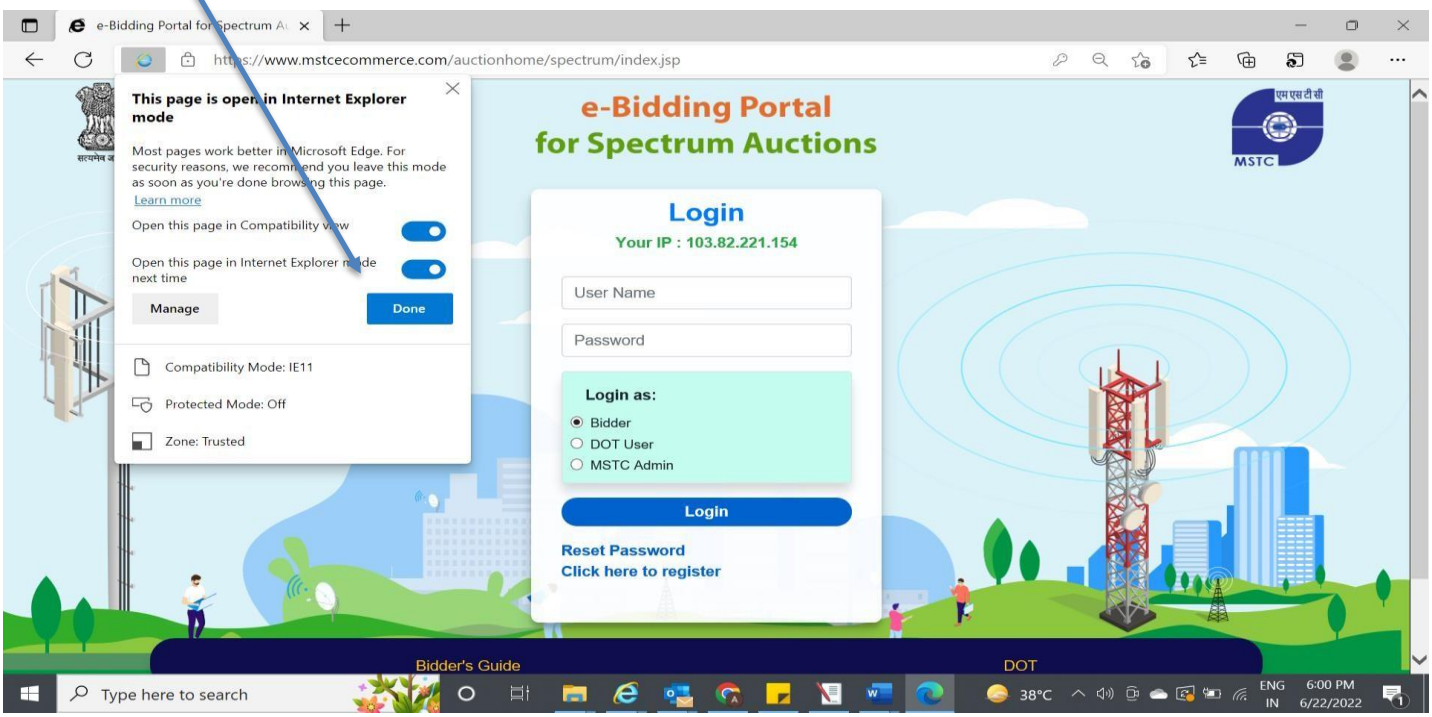
Open the Homepage at "https://www.mstcecommerce.com/auctionhome/spectrum/index.jsp" and click on the icon to open settings and more and click "**Reload in Internet Explorer mode**"



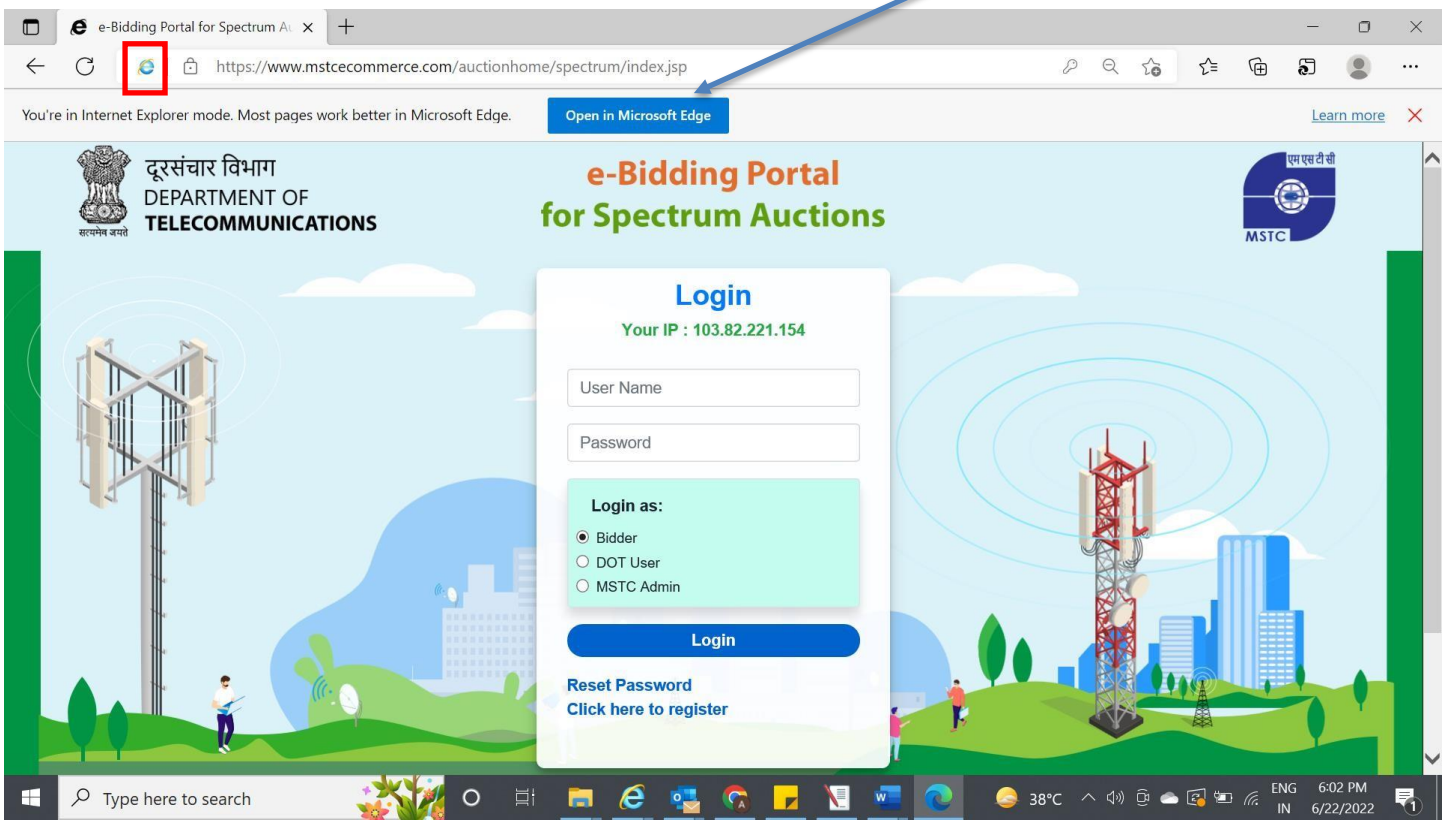
On loading the browser in Internet Explorer mode, page will display the page as below. Now drag the option "**Open this page in Internet Explorer mode next time**"



Click on "**Done**"

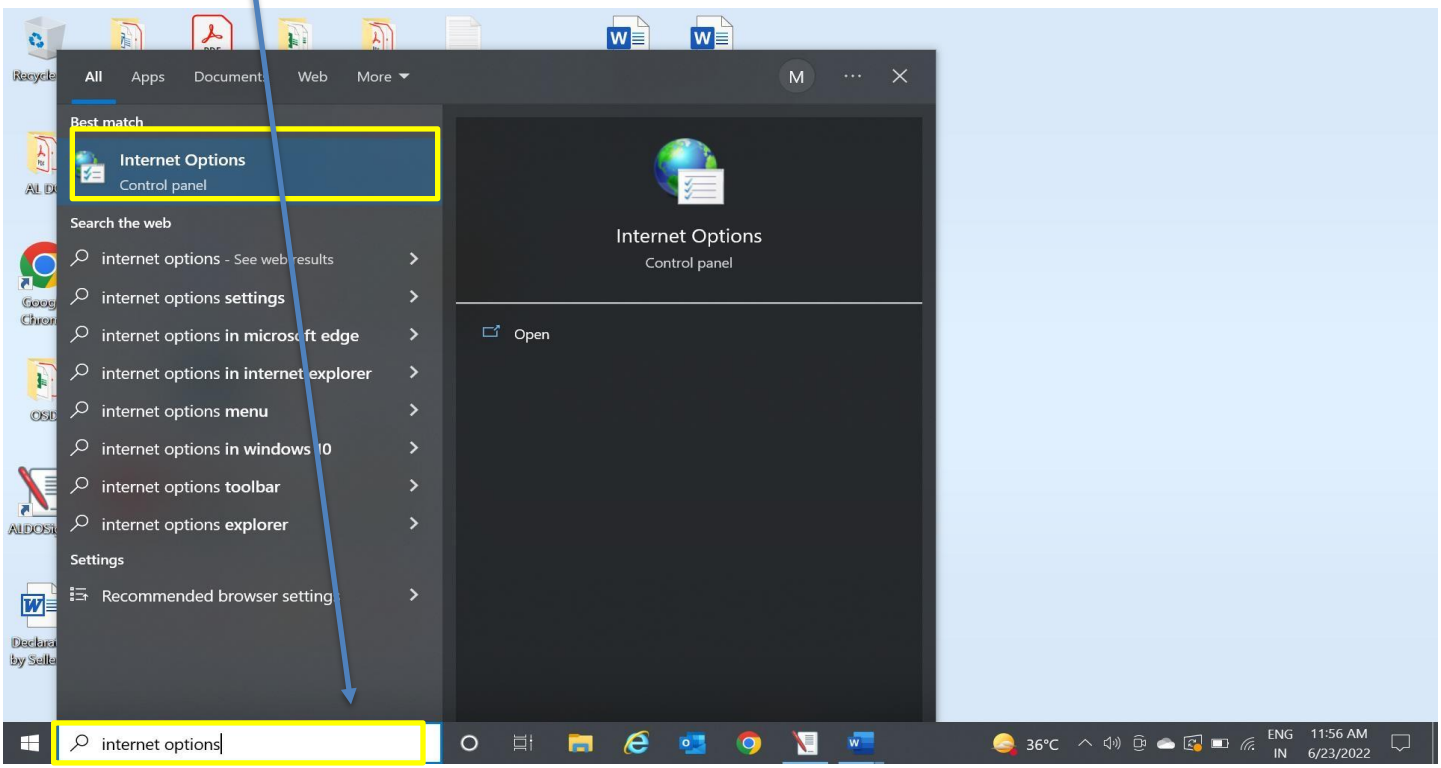


Page will now appear as below. Please make sure that you do not click on the option "**Open in Microsoft edge**" else, you will have to re load the page in Internet Explorer

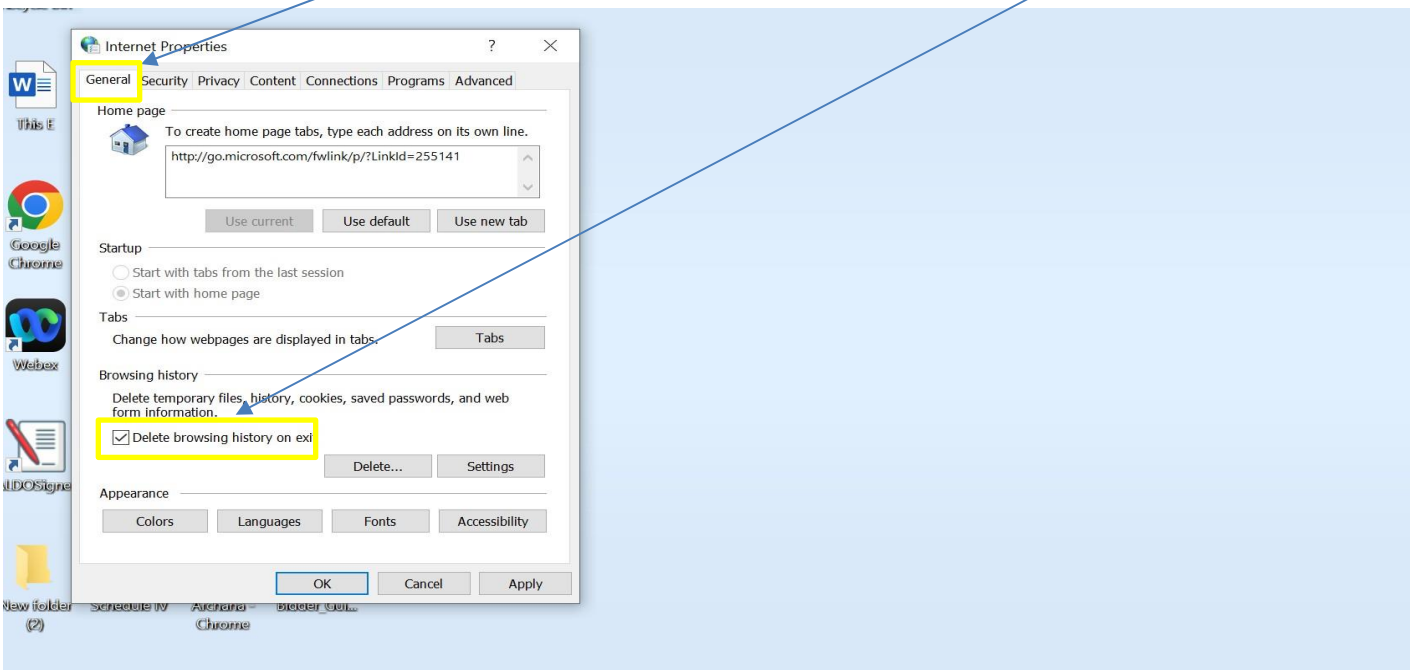


Your browser settings are completed after the above step. Now you need to align "**Internet options**" as per the requirements of the website. Follow the below steps for the same.

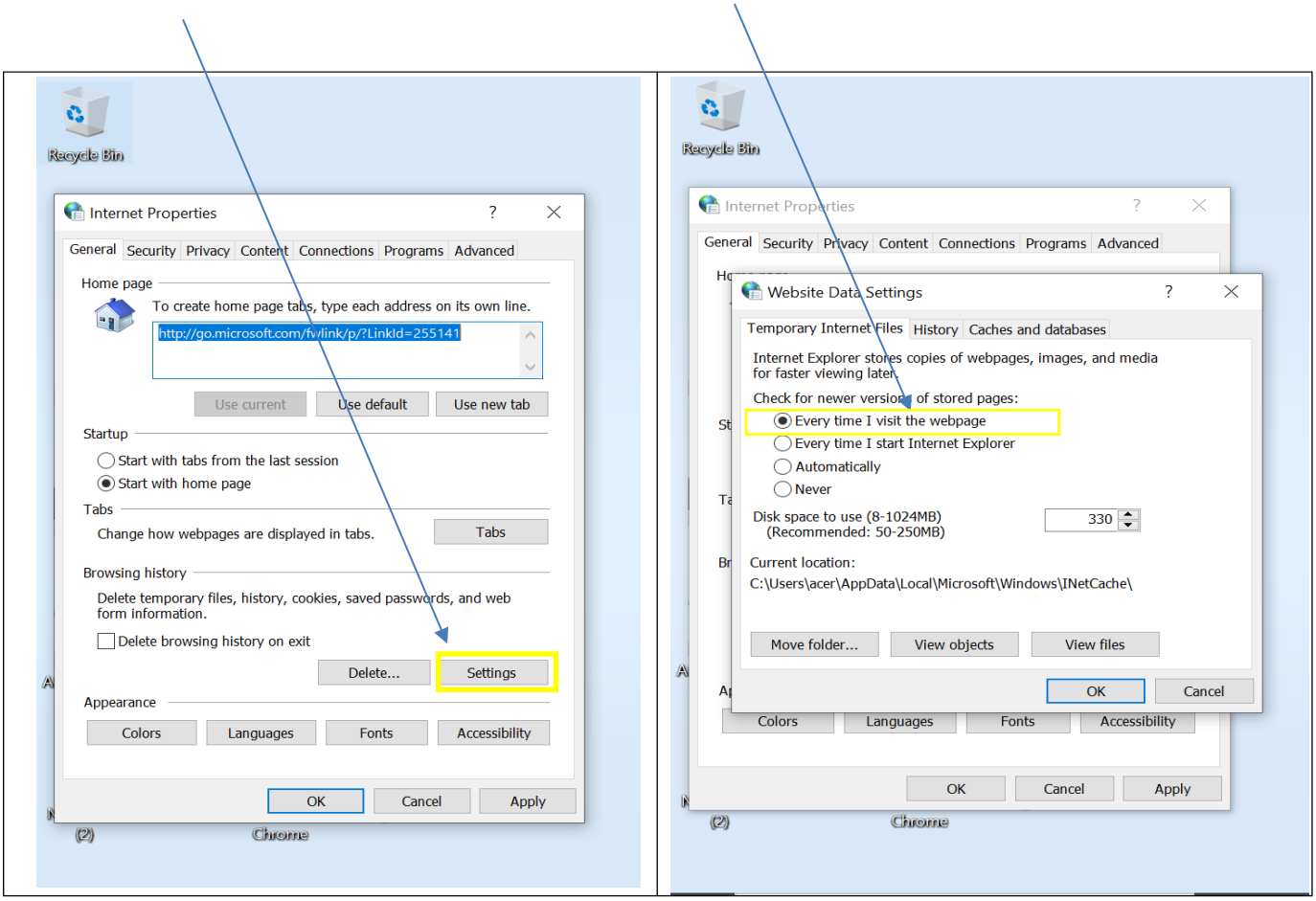
Search "**Internet Options**" in the search bar of your windows PC/Laptop and open the same to configure the other settings



A new window will get opened. Go to **General Tab**. Here, '**Delete Browsing history should be checked**':



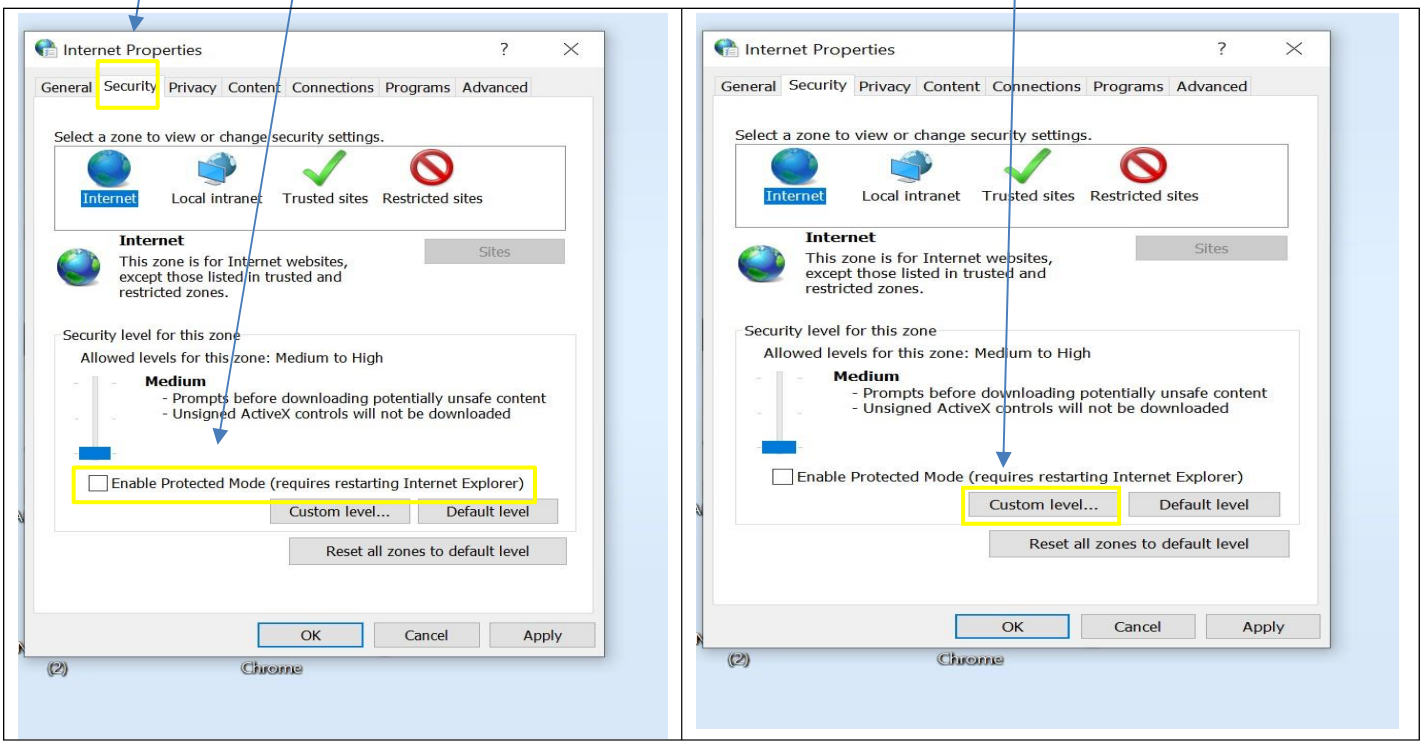
Click on **Settings** → In the next pop up, the radio button '**Every time I visit the website**', should be selected.



Click on '**Security**' tab → followed by '**Internet**' icon.

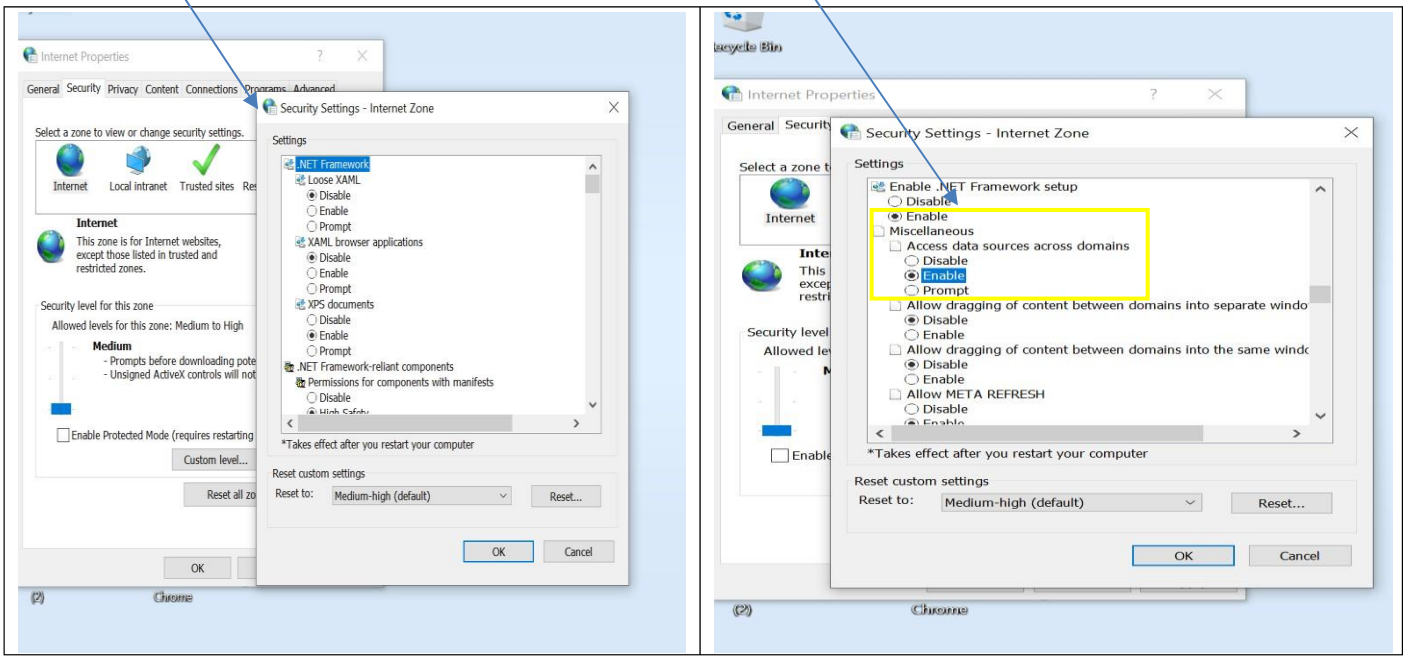
Uncheck the '**Enable protected mode (requires restarting Internet Explorer)**' checkbox if it is checked.

Now click on '**Custom Level…**' button:

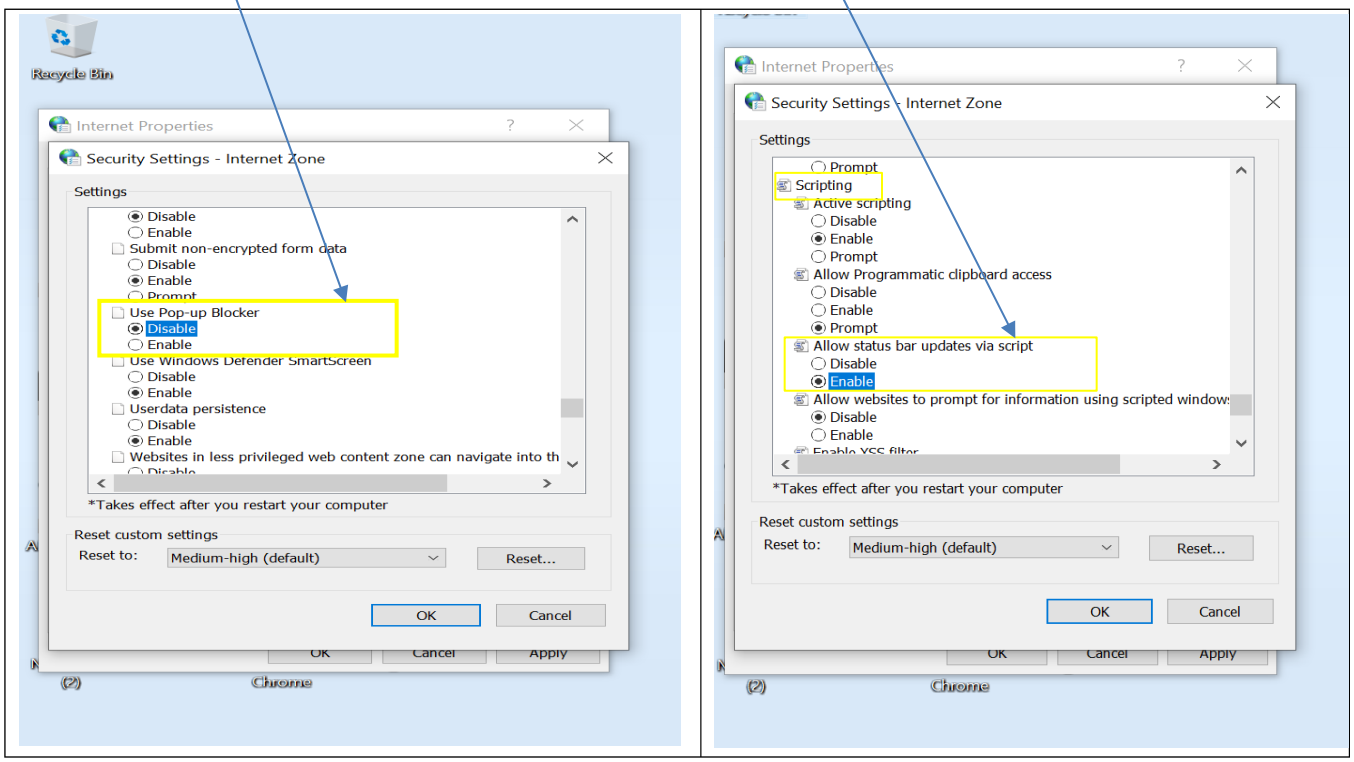


Below window will get opened after clicking on Custom level.

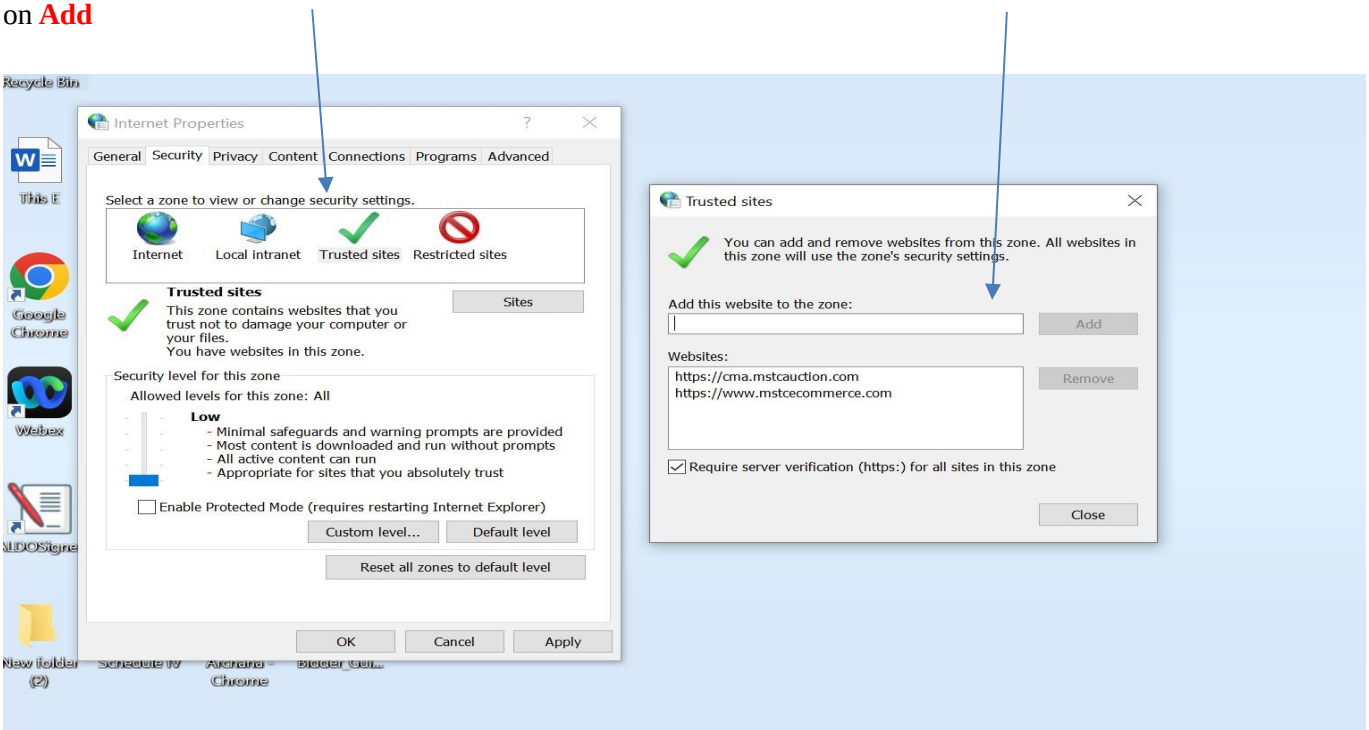
In the next pop up, press 'M' in the keyboard to find the '**Miscellaneous**' menu item. "**Access data source across domains**" should be **enabled**



Press ‘U’ to find **Use pop up blocker** → it should be disabled
Under **Scripting,** the menu item **“Allow Status Bar Update Via Script”** should be enabled.
Once above settings are done. Click ‘**OK**’.

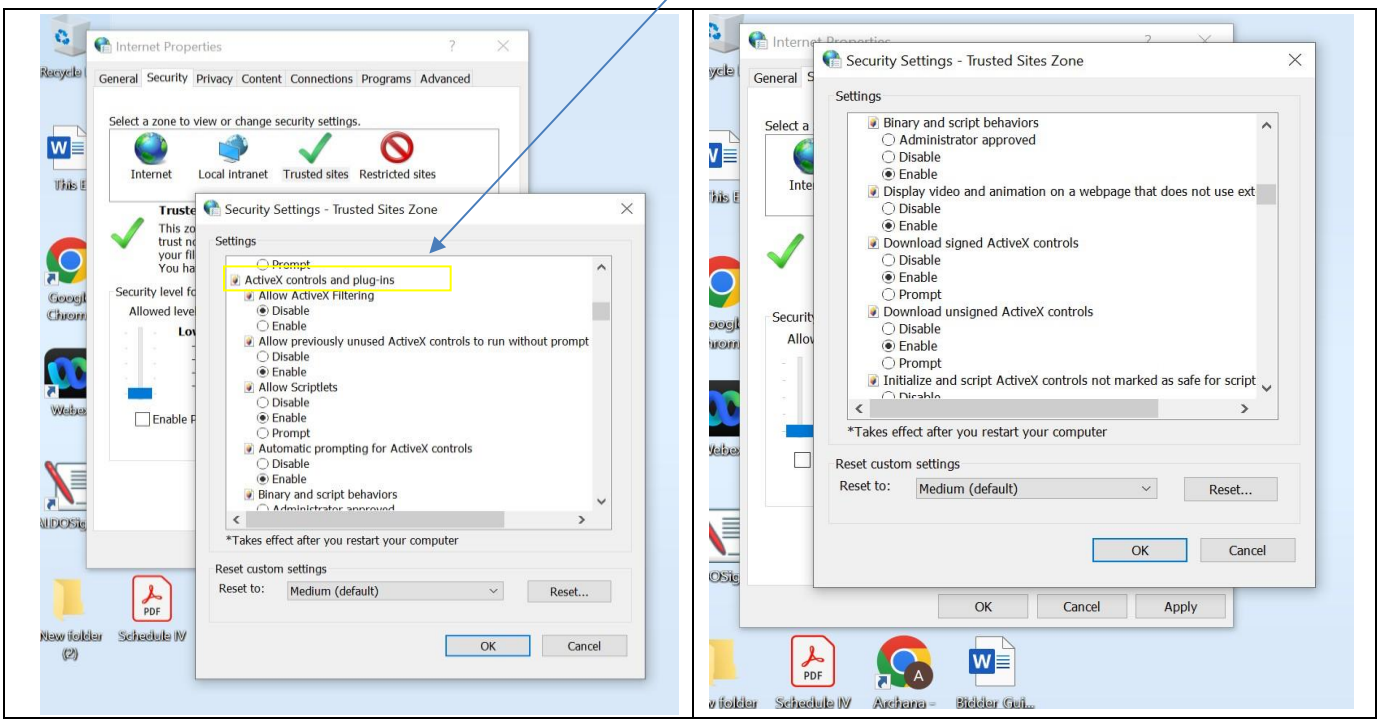


Now click on ‘**Trusted Site**’ icon → Sites. In the new window, enter the URL: https://www.mstcecommerc.com and click on **Add**

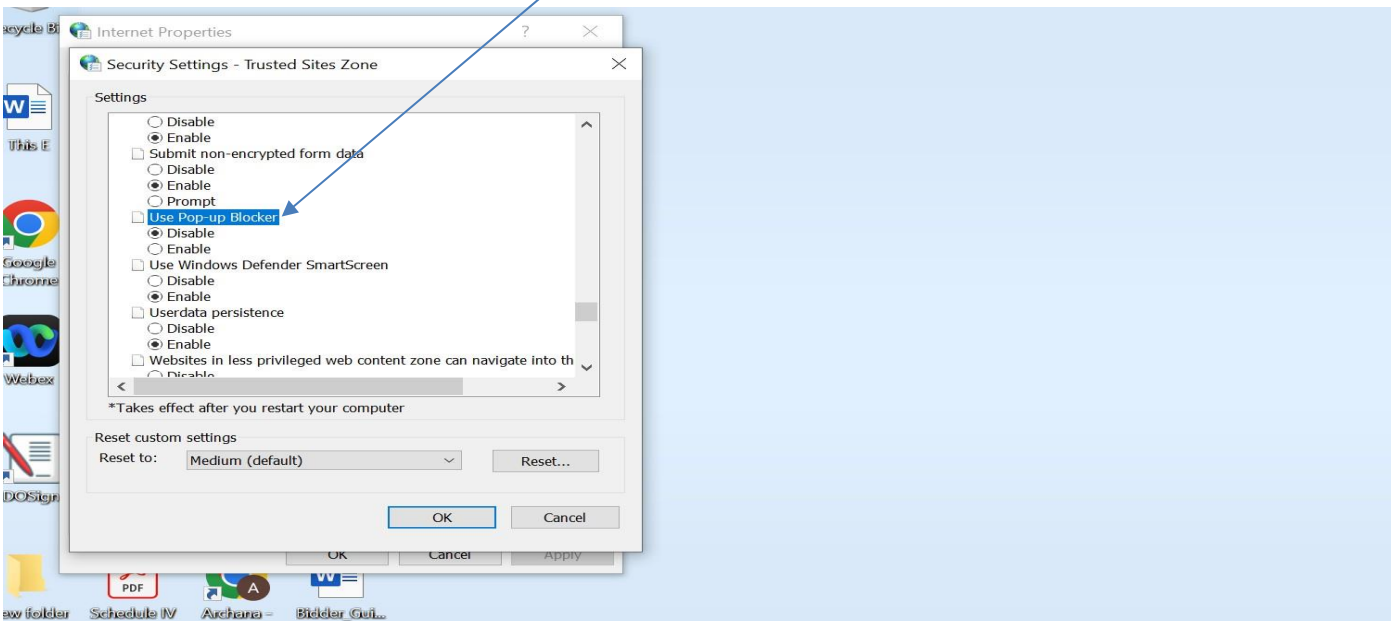


Now for **'Trusted Sites',** click on **Custom Level**.

- Press 'A' in the keyboard to find '**Active X controls and plug-ins'.**
- The first item i.e. '**Allow Active X filtering' should be disabled**
- All other menu items under the head 'Allow Active X filtering' should be enabled.

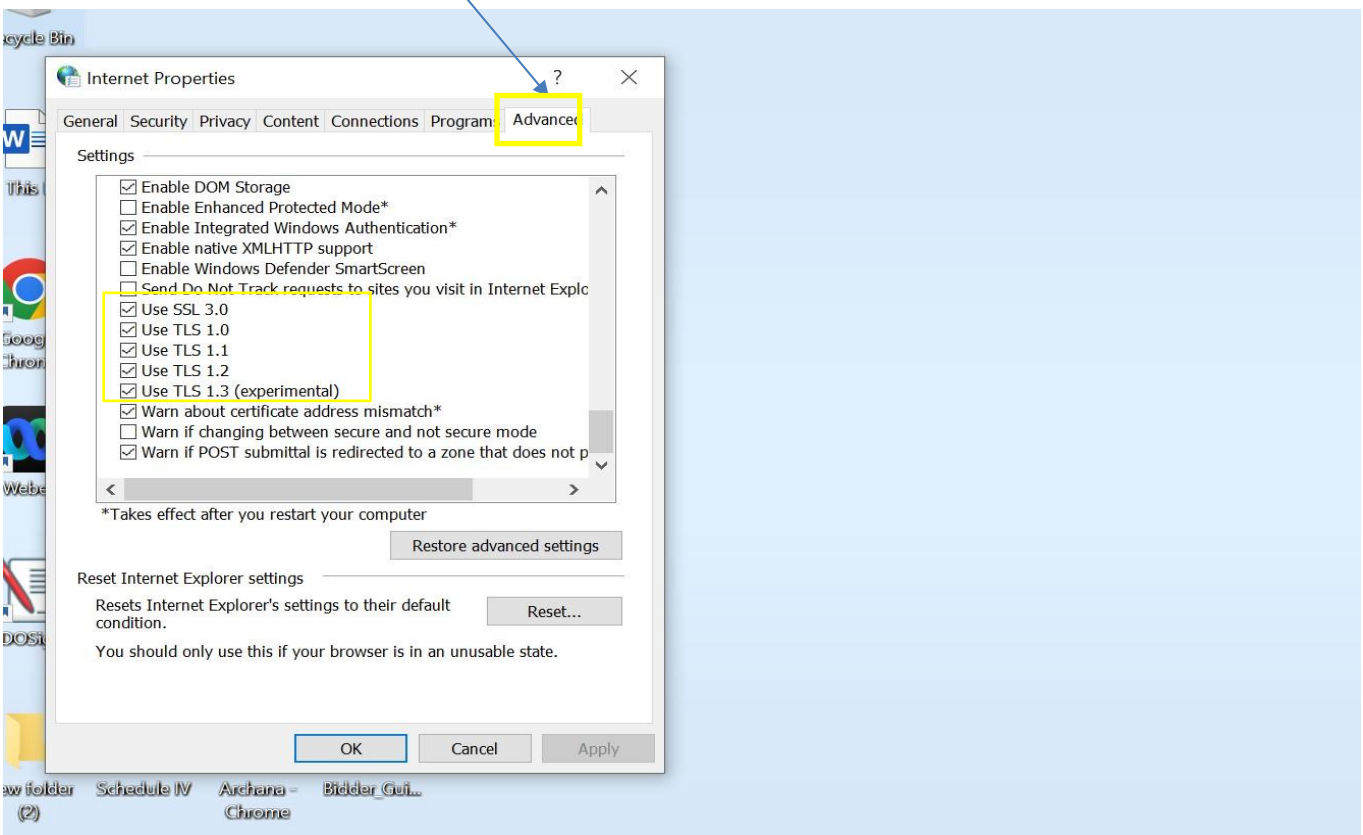


Now press 'U' in keyboard to search '**Use pop up blocker'** – It should be disabled and finally click on '**OK**'.

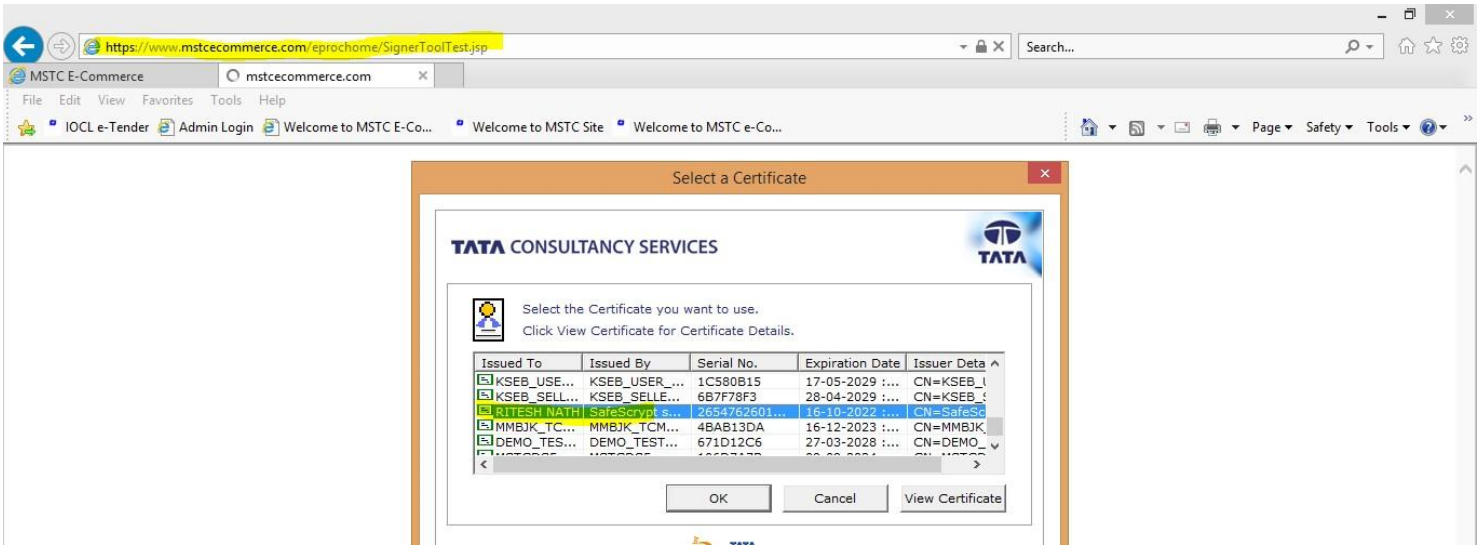


Click on the '**Advanced**' tab. All the following checkboxes should be **ticked:**

- Use SSL 3.0
- Use TLS 1.0
- Use TLS 1.1
- Use TLS 1.2
- Use TLS 1.3

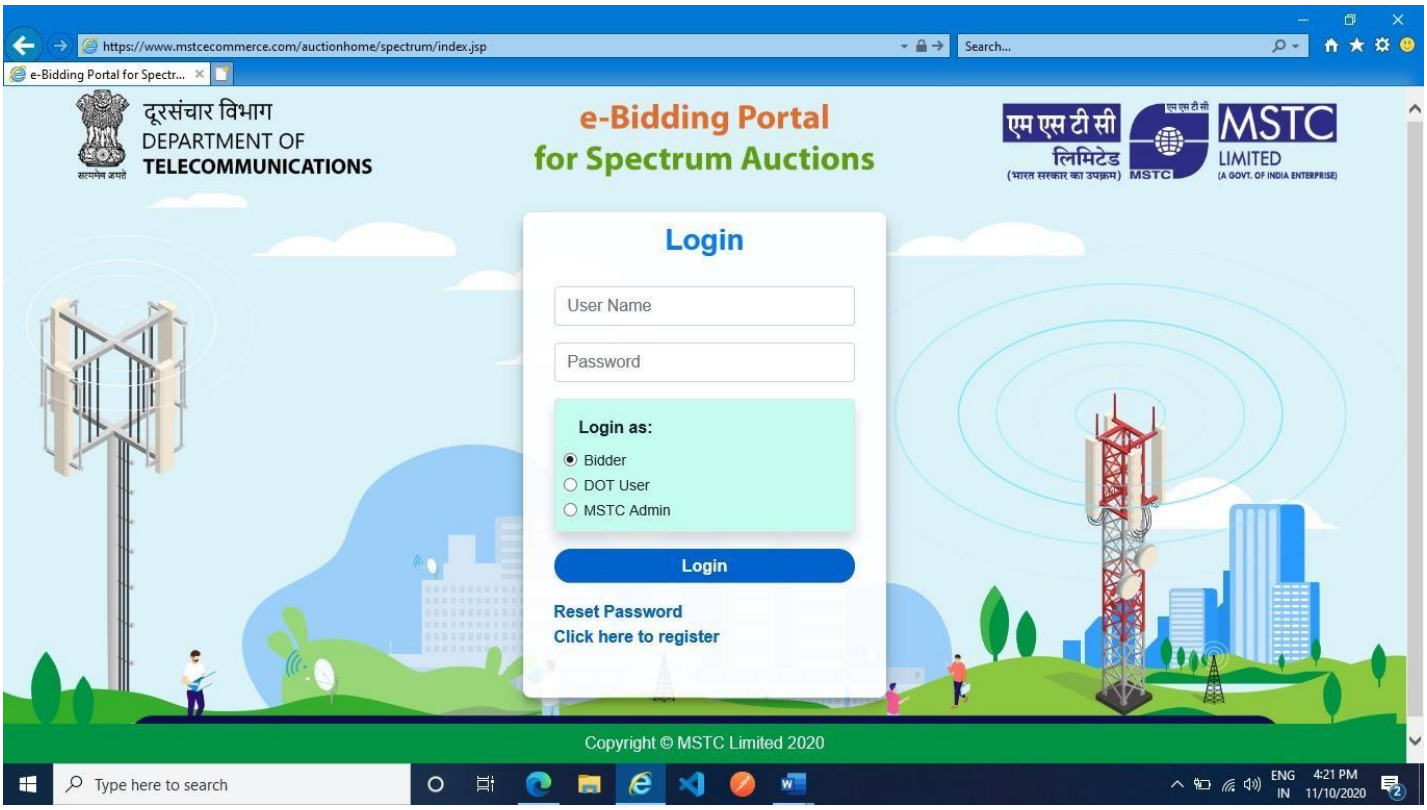


In a new tab, type the URL: https://www.mstcecommerce.com/eprochome/SignerToolTest.jsp. In the footer of the browser, system will prompt to allow 'TSC Signer Control' and DLL AddOns. Both should be allowed. Subsequently, system will prompt to select the appropriate DSC from the pop up. Same should be done to complete the process.



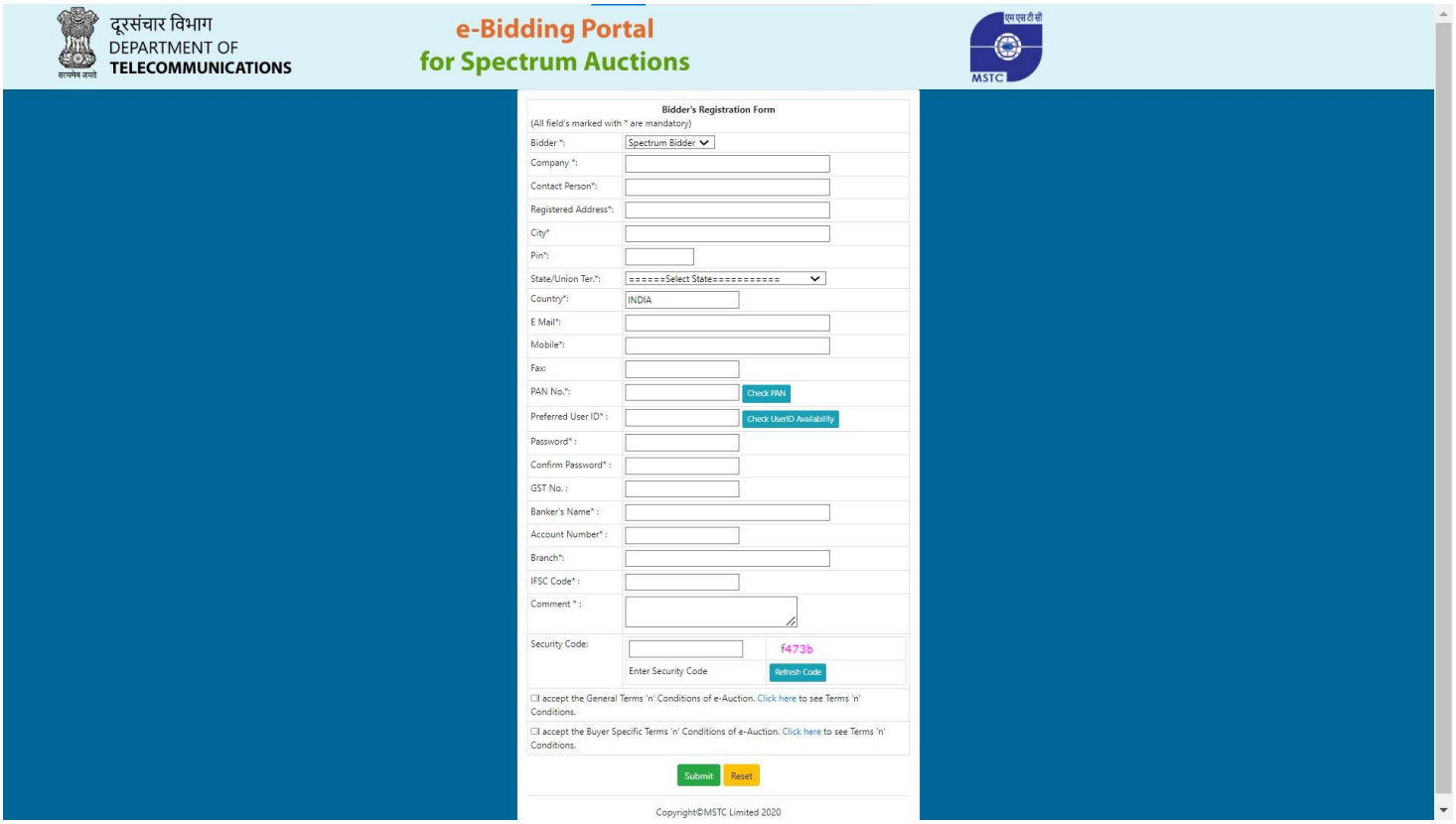
Homepage:

Bidder's can navigate to the Homepage using URL: https://www.mstcecommerce.com/auctionhome/spectrum/index.jsp



Online Registration of bidders:

Technically qualified bidders need to click through the link '**Click Here to Register**'present on the homepage and fill the details in the trailing form:

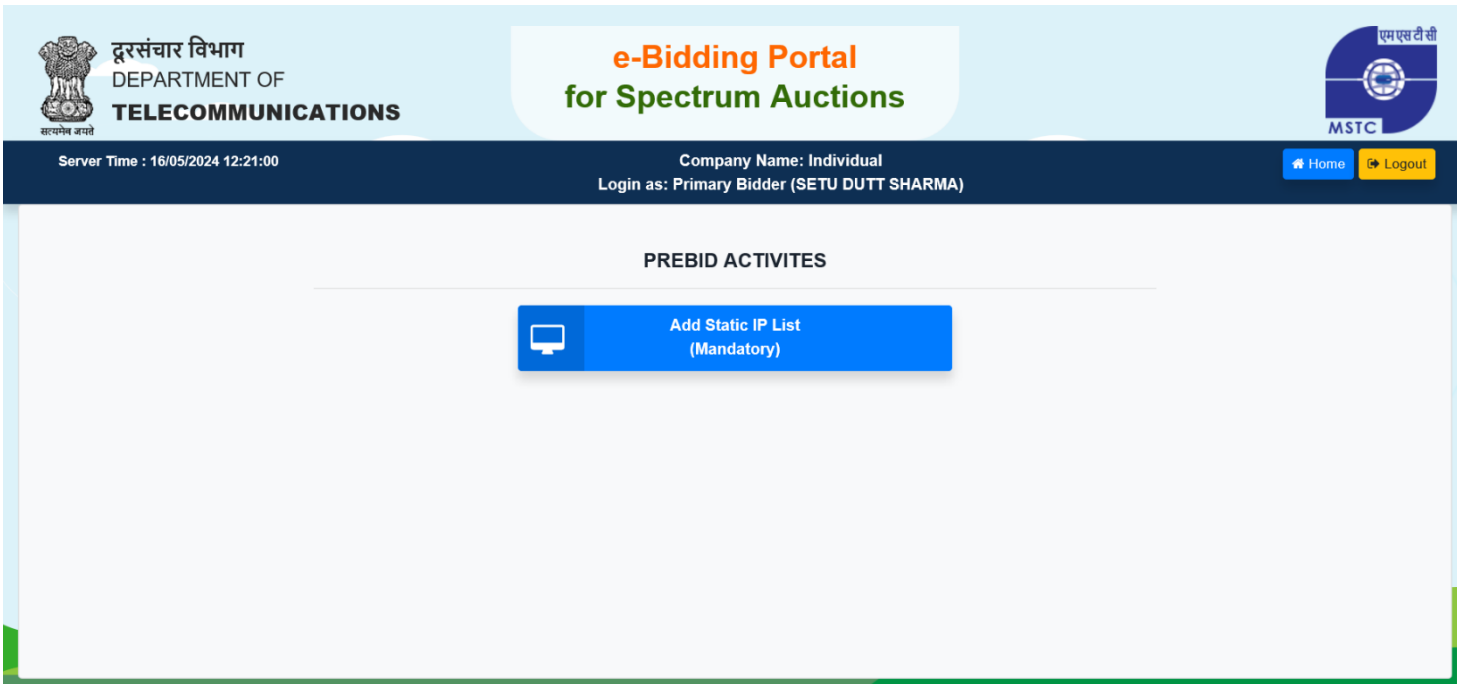


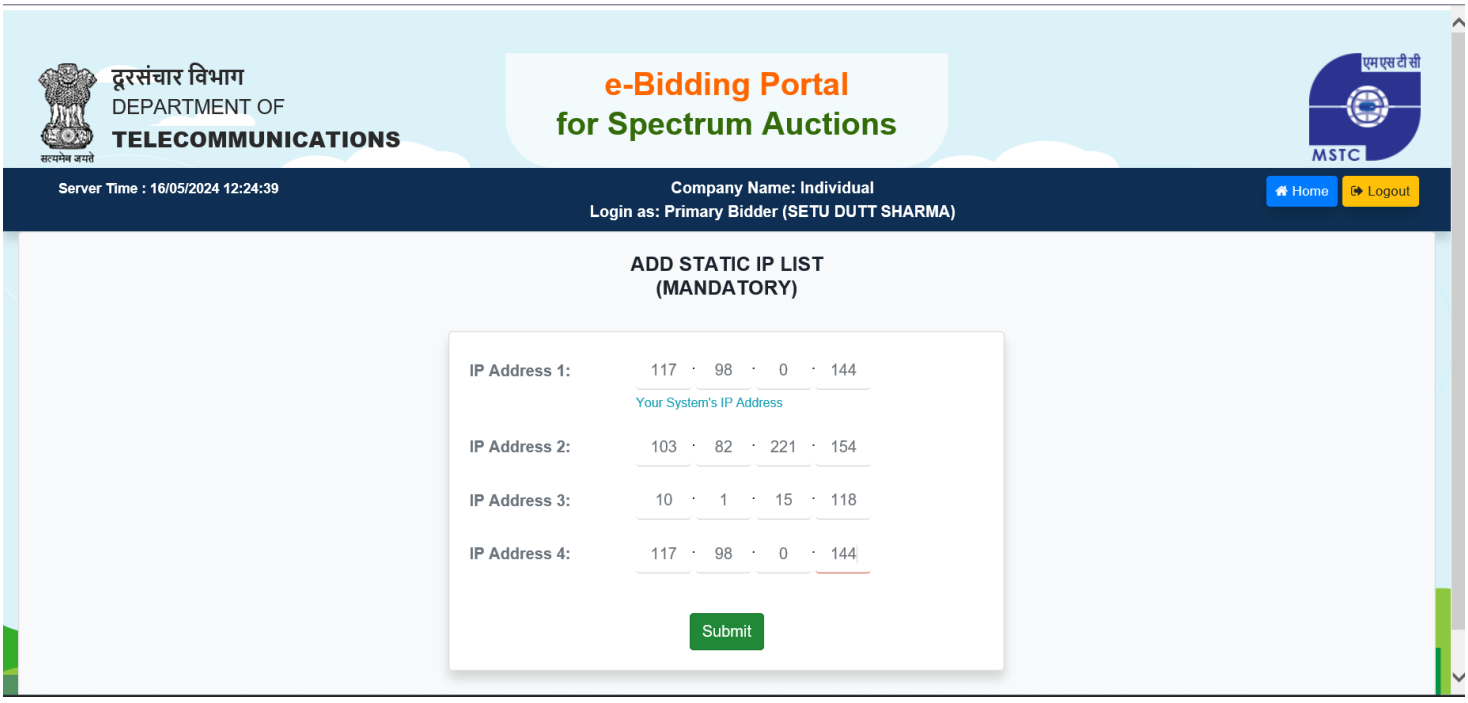
On clicking submit, bidders will be provisionally registered to MSTC's website. Technically qualified bidders will need to mail their DSC serial Number (signing), name of the authorized person (primary bidder) who would be bidding on behalf of the company, on company's letter head to the mail Id eas@mstcindia.co.in of MSTC to get their profile activated. Post activation, bidders can login to view their dashboard.

During login, bidders need to use the User Id and Password filled in the Registration form and the DSC serial number submitted vide mail to MSTC for successful authentication.

1st Login and Adding Public Static IP:

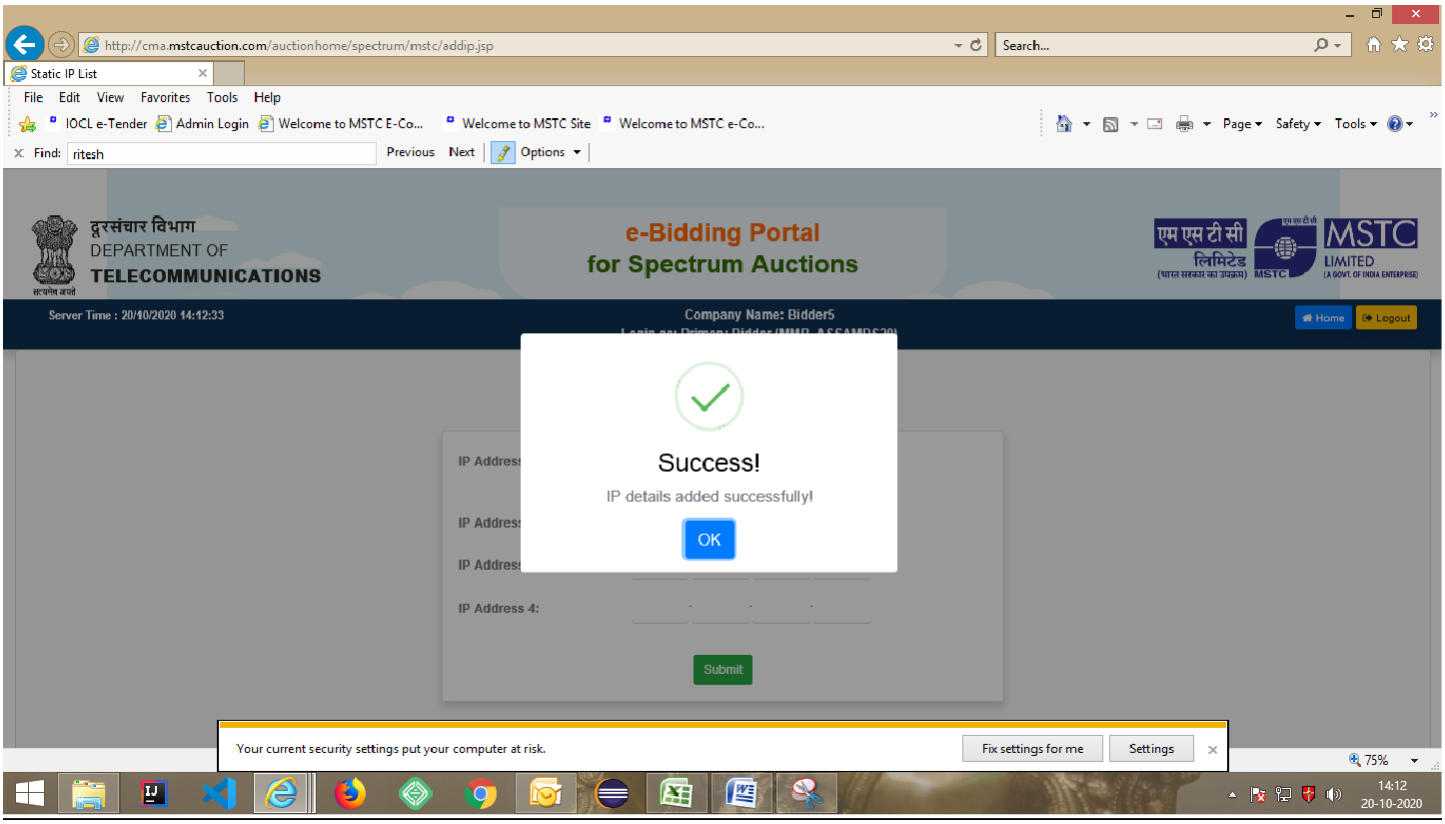
On first login, bidder will be able to view a single link ‘Add Static IP List’. This is a mandatorystep and without completing the step, bidder’s won’t be able to view other links available in their dashboard. On clicking the link, following screen will be displayed:



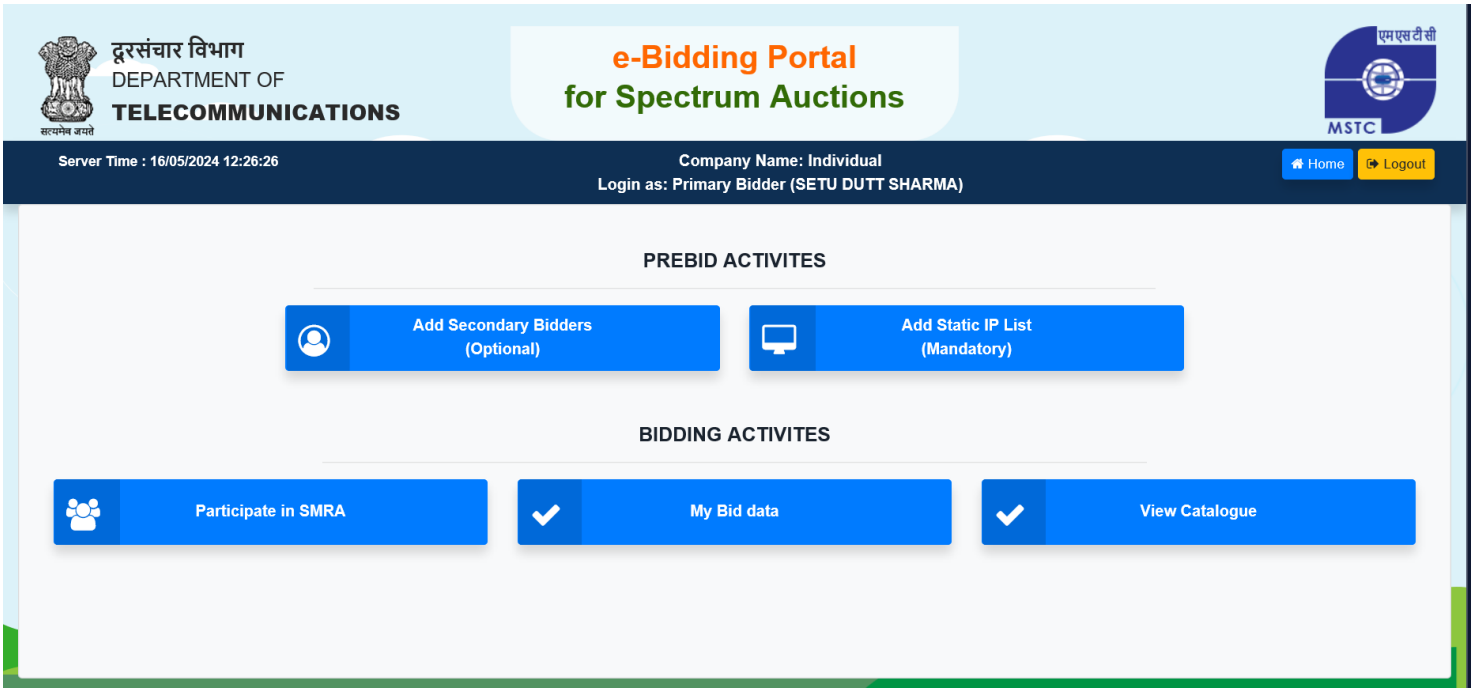


The IP address against the first field will be pre populated and will be the IP address of the current network. Therefore, bidders should ensure that the 1st login is done from the Public static IP from where the bidder intends to continue subsequent logins in future. Bidder needs to fill 3 additional IP details.

Once the data is digitally signed and submitted, same cannot be changed in the future and any one of the public static IP address of the network has to be used for all future logins and bidding. The secondary bidder will also need to use any one of this 4 IP addresses entered by the Primary bidder and no additional IP addresses will be allowed.



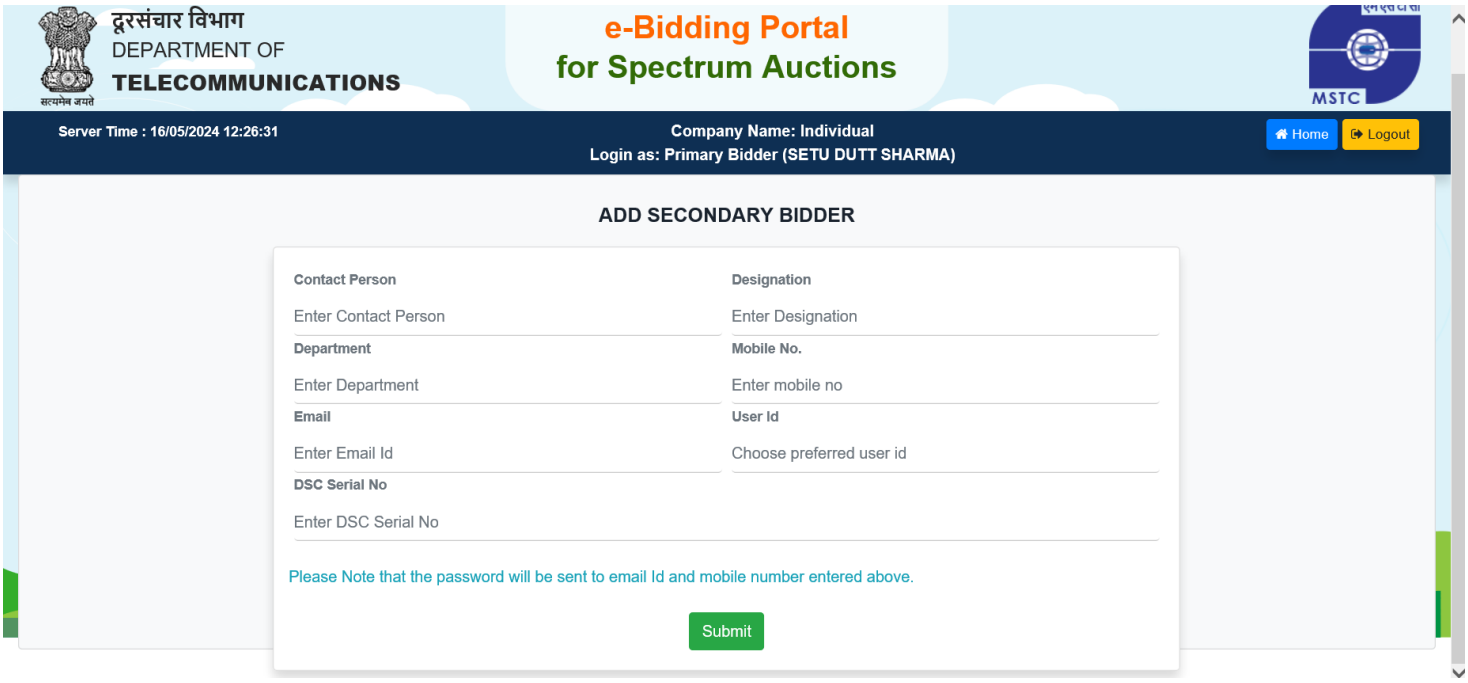
After completion of the above step, bidder will have access to all the links in his dashboard:



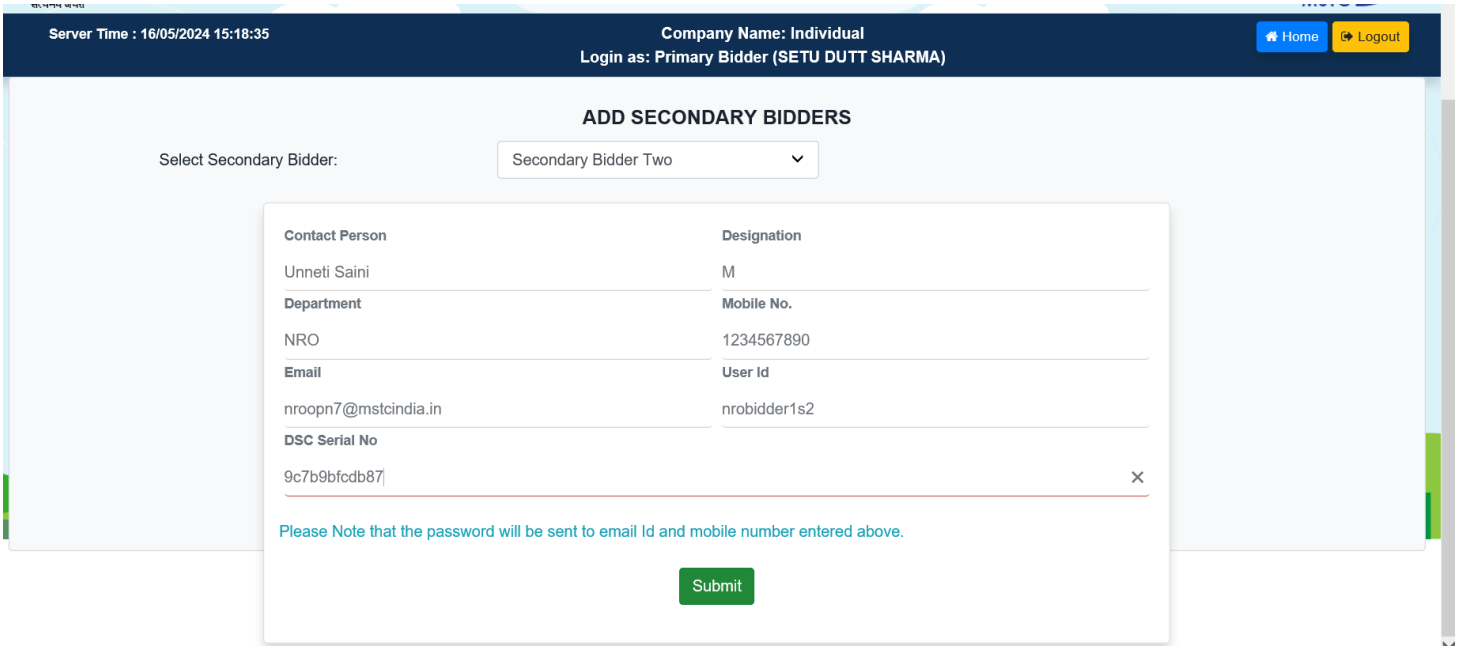
Adding Secondary Bidder:

Although this step is optional, but if the primary bidder intends to, they can add up to three (03)secondary bidders to the profile of the company. On clicking the link, following form will be displayed:

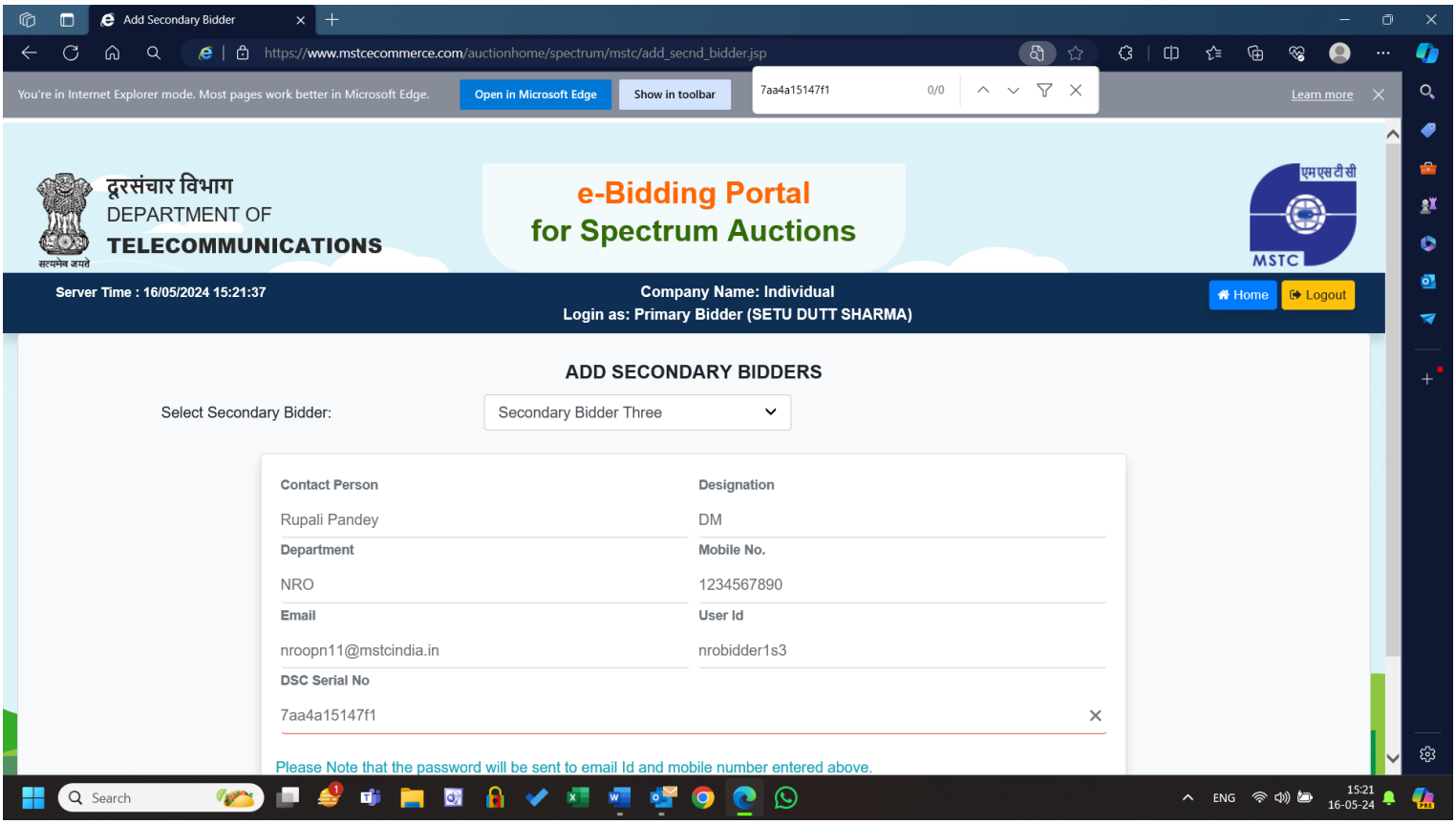
Add Secondary bidder one-



Add Secondary bidder Two-



Add Secondary bidder Three-



Primary bidder should carefully enter all the details including User Id and DSC serial number because secondary bidder will have to use the same for subsequent logins. The password will be mailed to the email id specified in the registration form. Secondary bidder will need to change this system generate password during 1st login.

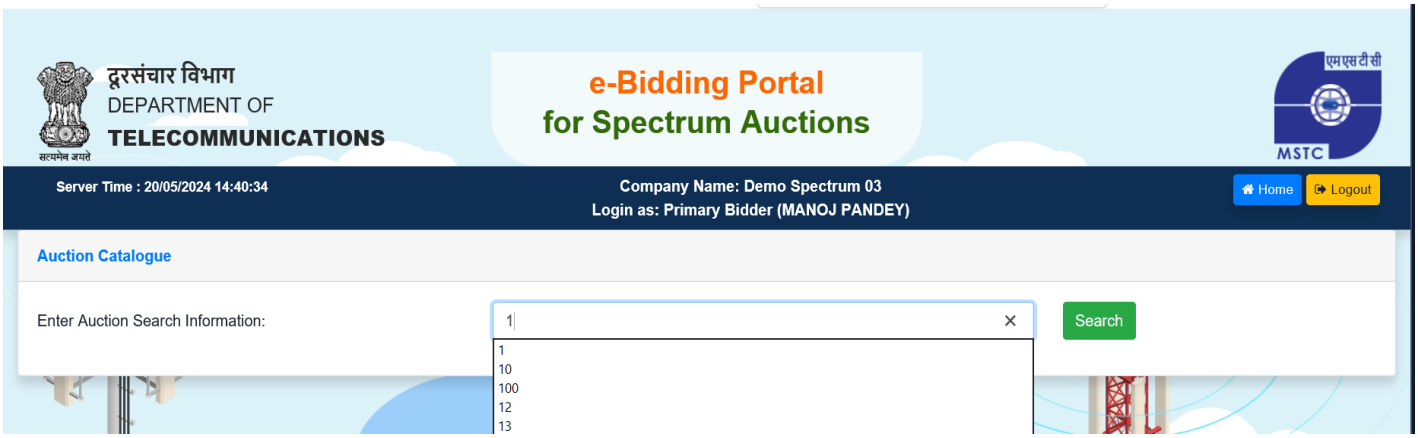
During live event, system assigns equal priority to both primary and secondary bidder as far as bidding is concerned. Therefore in a particular Clock round, whoever (either primary or secondary bidder) submits the bid first, will be considered as the final bid for that particular round (as there is no provision of bid deletion) and therefore if primary bidder submits the bid then secondary bidder will be prevented from submitting bid in that particular clock round (system will display appropriate error message) and vice versa.

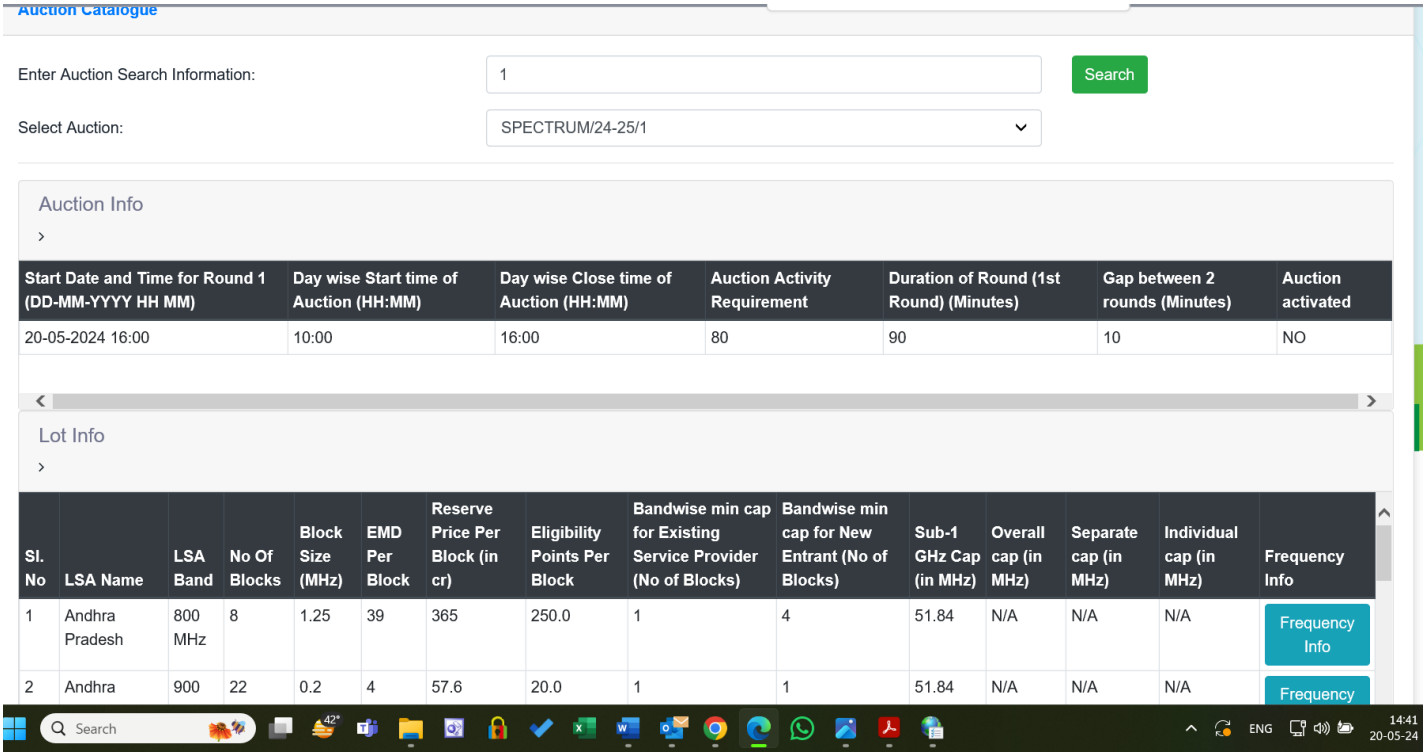
View Catalogue:

Once the auction catalogue is published, bidders will be able to access and view it. The catalogue provides crucial information to assist you in making informed bidding decisions. Here's a breakdown of the key details you'll find within the catalogue:

- **Lot Details** (LSA-BAND): This section will outline the details of the spectrum bands being offered in the auction. It will likely include information such as band frequency range, geographical coverage area, and any specific technical characteristics relevant to each band.
- **Frequency Details**: This section will provide a more granular view of the specific frequencies available within each LSA-BAND. This may include details like center frequency, channel bandwidth, and potentially any limitations or restrictions associated with specific frequencies.
    - **Note** - In the Frequency info section of the auction catalog, the three columns namely -Partial by Geographical Area (% Population), Partial by Time (%), Partial by Quantum (%) are approximate and for internal use only. Further, for blocks which are partial in availability, wherever applicable, in case zero (0) is displayed against anyone of the above-mentioned column names, the same may be considered as available in full.

- **Bidder's Own Data**: The catalogue will display your own information relevant to the auction, including:
    - Earnest Money Deposit (EMD): This reflects the amount a bidder has deposited.
    - Eligibility Points (EP): This may indicate any points you have earned based on the EMD submitted.
    - Existing Holding: This section will showcase any spectrum holdings you currently possess.
- The same can be viewed and downloaded(excel)



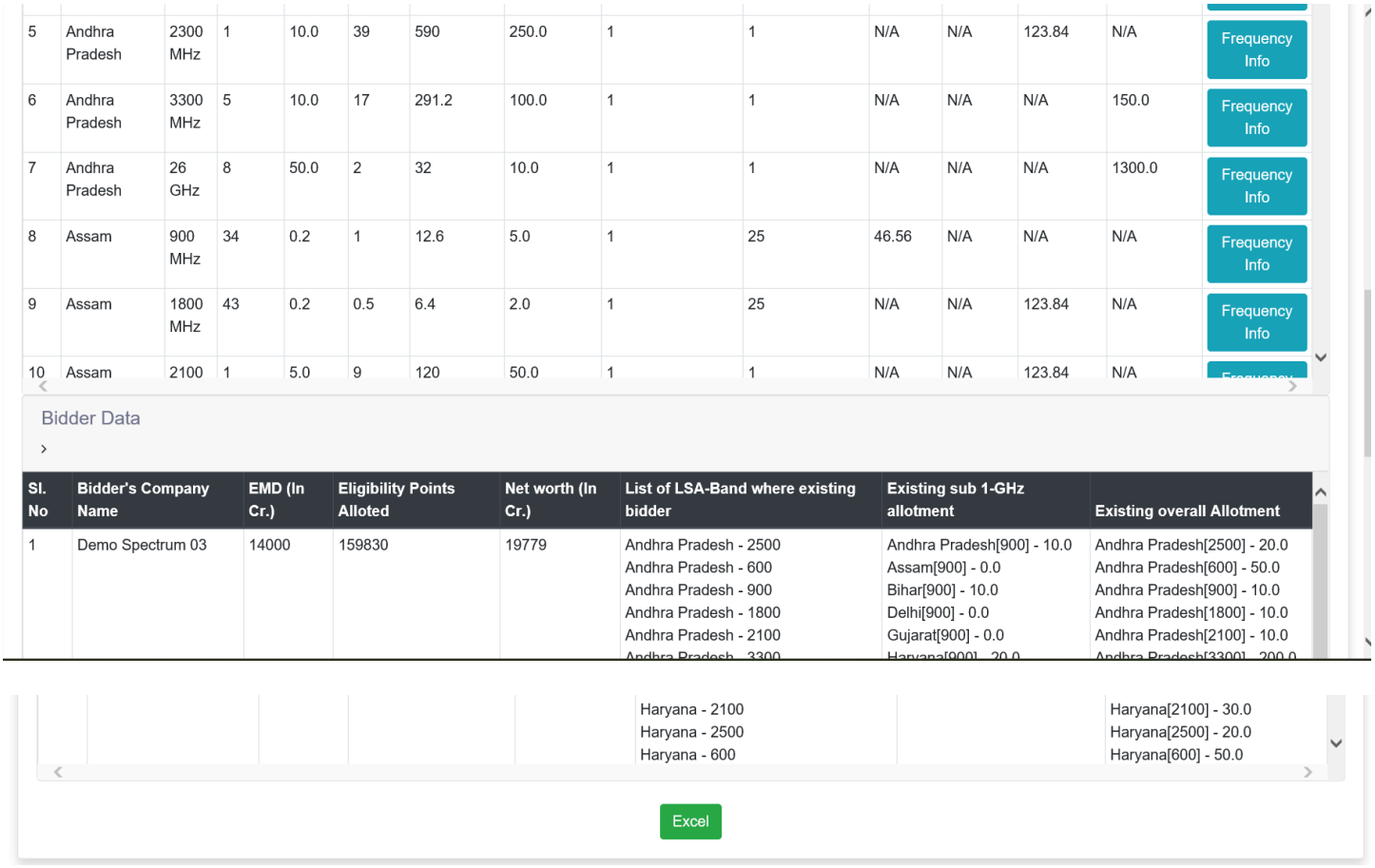


Sl. No	LSA Name	LSA Band	No Of Blocks	Block Size (MHz)	EMD Per Block	Reserve Price Per Block (in cr)	Eligibility Points Per Block	Bandwise min cap for Existing Service Provider (No of Blocks)	Bandwise min cap for New Entrant (No of Blocks)	Sub-1 GHz Cap (in MHz)	Overall cap (in MHz)	Separate cap (in MHz)	Individual cap (in MHz)	Frequency Info
1	Andhra Pradesh	800 MHz	8	1.25	39	365	250.0	1	4	51.84	N/A	N/A	N/A	Frequency Info
2	Andhra Pradesh	900 MHz	22	0.2	4	57.6	20.0	1	1	51.84	N/A	N/A	N/A	Frequency Info
3	Andhra Pradesh	1800 MHz	45	0.2	4	38.6	20.0	1	25	N/A	N/A	123.84	N/A	Frequency Info
4	Andhra Pradesh	2100 MHz	3	5.0	75	710	500.0	1	1	N/A	N/A	123.84	N/A	Frequency Info
5	Andhra Pradesh	2300 MHz	1	10.0	39	590	250.0	1	1	N/A	N/A	123.84	N/A	Frequency Info
6	Andhra Pradesh	3300 MHz	5	10.0	17	291.2	100.0	1	1	N/A	N/A	N/A	150.0	Frequency Info
7	Andhra Pradesh	26 GHz	8	50.0	2	32	10.0	1	1	N/A	N/A	N/A	1300.0	Frequency Info
8	Assam	900 MHz	34	0.2	1	12.6	5.0	1	25	46.56	N/A	N/A	N/A	Frequency Info

Frequency Details [26 GHz]

Sl.No	Start	Stop	Block Code	Partial/Complete	Partial by Geographical Area (% Population)	Partial by Time (%)	Partial by Quantum (%)
1	25050.0	25100.0	1	COMPLETE	N/A	N/A	N/A
2	25100.0	25150.0	2	COMPLETE	N/A	N/A	N/A
3	25150.0	25200.0	3	COMPLETE	N/A	N/A	N/A
4	25200.0	25250.0	4	COMPLETE	N/A	N/A	N/A
5	25250.0	25300.0	5	COMPLETE	N/A	N/A	N/A
6	25300.0	25350.0	6	COMPLETE	N/A	N/A	N/A
7	25350.0	25400.0	7	COMPLETE	N/A	N/A	N/A
8	25400.0	25450.0	8	COMPLETE	N/A	N/A	N/A

Close



5	Andhra Pradesh	2300 MHz	1	10.0	39	590	250.0	1	1	N/A	N/A	123.84	N/A	Frequency Info
6	Andhra Pradesh	3300 MHz	5	10.0	17	291.2	100.0	1	1	N/A	N/A	N/A	150.0	Frequency Info
7	Andhra Pradesh	26 GHz	8	50.0	2	32	10.0	1	1	N/A	N/A	N/A	1300.0	Frequency Info
8	Assam	900 MHz	34	0.2	1	12.6	5.0	1	25	46.56	N/A	N/A	N/A	Frequency Info
9	Assam	1800 MHz	43	0.2	0.5	6.4	2.0	1	25	N/A	N/A	123.84	N/A	Frequency Info
10	Assam	2100	1	5.0	9	120	50.0	1	1	N/A	N/A	123.84	N/A	Frequency

Bidder Data

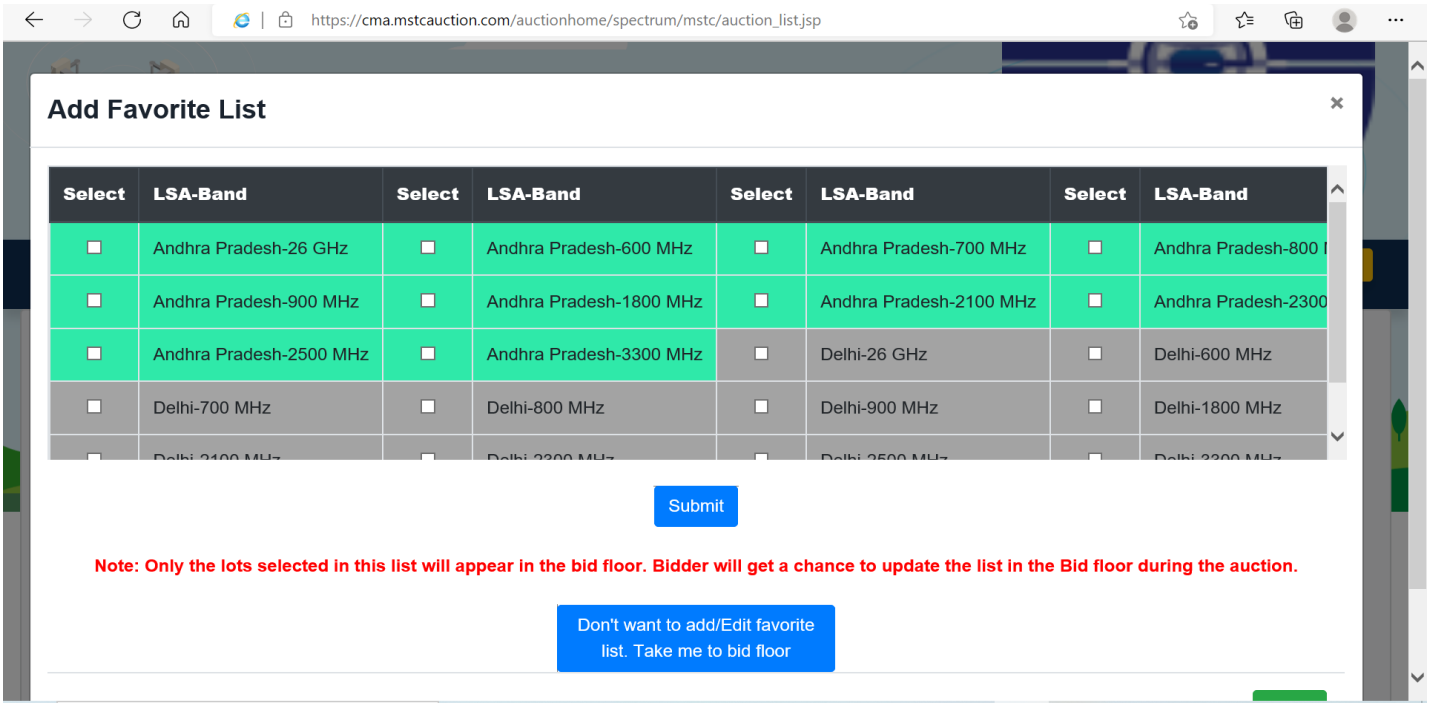
Sl. No	Bidder's Company Name	EMD (In Cr.)	Eligibility Points Alloted	Net worth (In Cr.)	List of LSA-Band where existing bidder	Existing sub 1-GHz allotment	Existing overall Allotment
1	Demo Spectrum 03	14000	159830	19779	Andhra Pradesh - 2500 Andhra Pradesh - 600 Andhra Pradesh - 900 Andhra Pradesh - 1800 Andhra Pradesh - 2100 Andhra Pradesh - 3300	Andhra Pradesh[900] - 10.0 Assam[900] - 0.0 Bihar[900] - 10.0 Delhi[900] - 0.0 Gujarat[900] - 0.0 Haryana[900] - 20.0	Andhra Pradesh[2500] - 20.0 Andhra Pradesh[600] - 50.0 Andhra Pradesh[900] - 10.0 Andhra Pradesh[1800] - 10.0 Andhra Pradesh[2100] - 10.0 Andhra Pradesh[3300] - 200.0
					Haryana - 2100 Haryana - 2500 Haryana - 600		Haryana[2100] - 30.0 Haryana[2500] - 20.0 Haryana[600] - 50.0

Excel

Participation in SMRA:

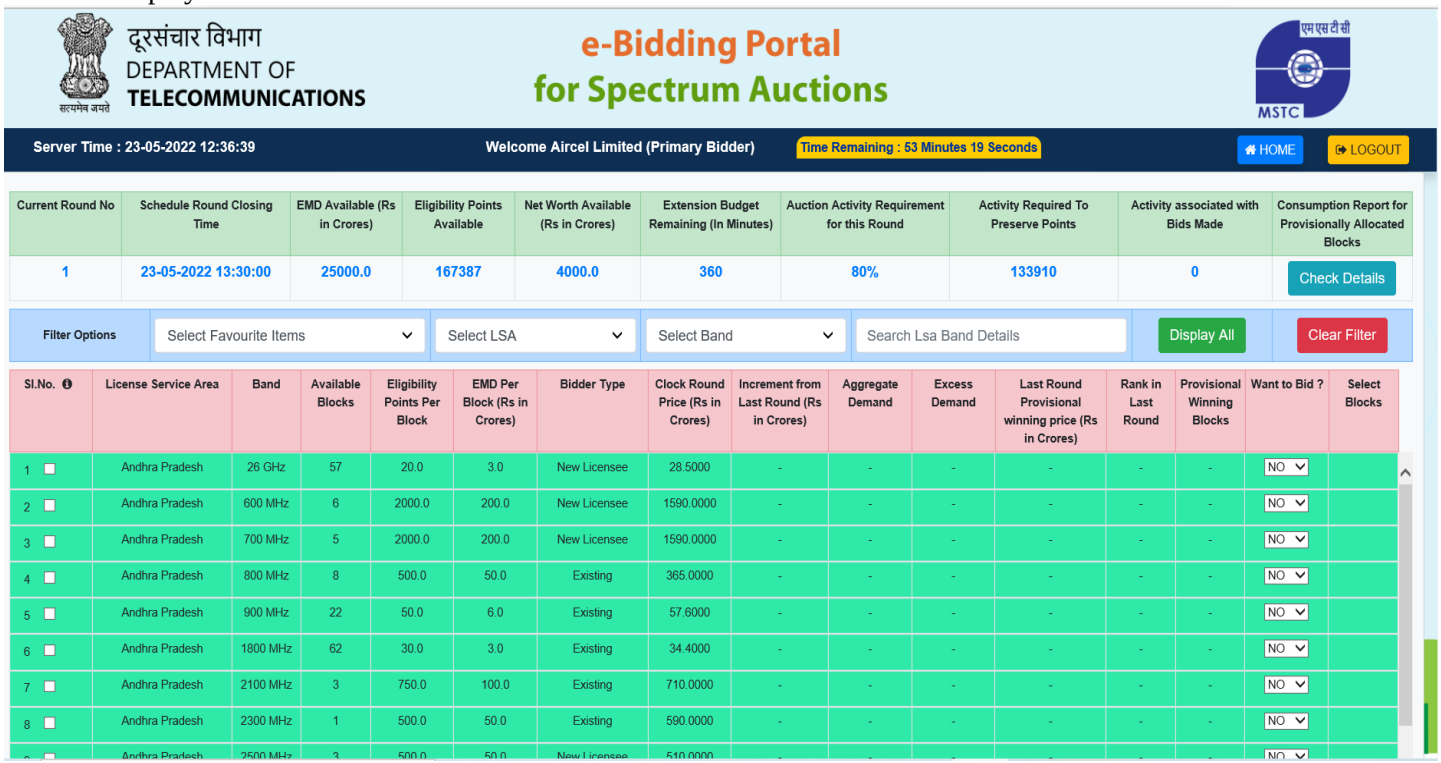
Bidders can participate in a live SMRA by clicking on the link **'Participate in SMRA'**. The auction will be available in this link on the particular start date and time as published by DoT. The next web page will display the auction number as follows:

On clicking the auction number, bidder will be navigated to the Bid Floor. But first, bidders will be prompted to select the list of favorite LSA-Band combinations:



Bidder's can tick the appropriate checkboxes and click submit (submit will be functional only if at least one of the check box is ticked) else they can opt for 'Don't want to add/Edit favorite list' – this will lead to displaying of all the lots in the bid floor. Updation or creation of favorite list can also be done in during the course of bidding.

Bid floor displayed to the bidders is as follows:



- There are various filters like 'Select Favorite Items' – will allow filtration from the favorite list (In case, no favorite items has been selected till that point of time, this filter will be non functional).
- Similarly there are filters to select items based on LSA or band or combination of both
- In order to clear all filters 'Clear Filter' should be used so that all items in the 'Favorite list' will be displayed.
- In order to view all the LSA-Band combination put up for auction, 'Display All' button should be used.
- In order to update the favorite list, the checkboxes provided in the 1st column against each LSA-band combination should be ticked/unticked and 'Update Favorite List' button should be clicked to get the updated favorite list.

How to submit bid:

Bidders need to select 'Yes' in the dropdown provided under the column 'Want to Bid' against theLSA-Band combination for which they are interested to bid. On selecting Yes, the leftmost column 'Select Block' will be visible and will display the number of blocks for which bidder is eligible to submit the bid.

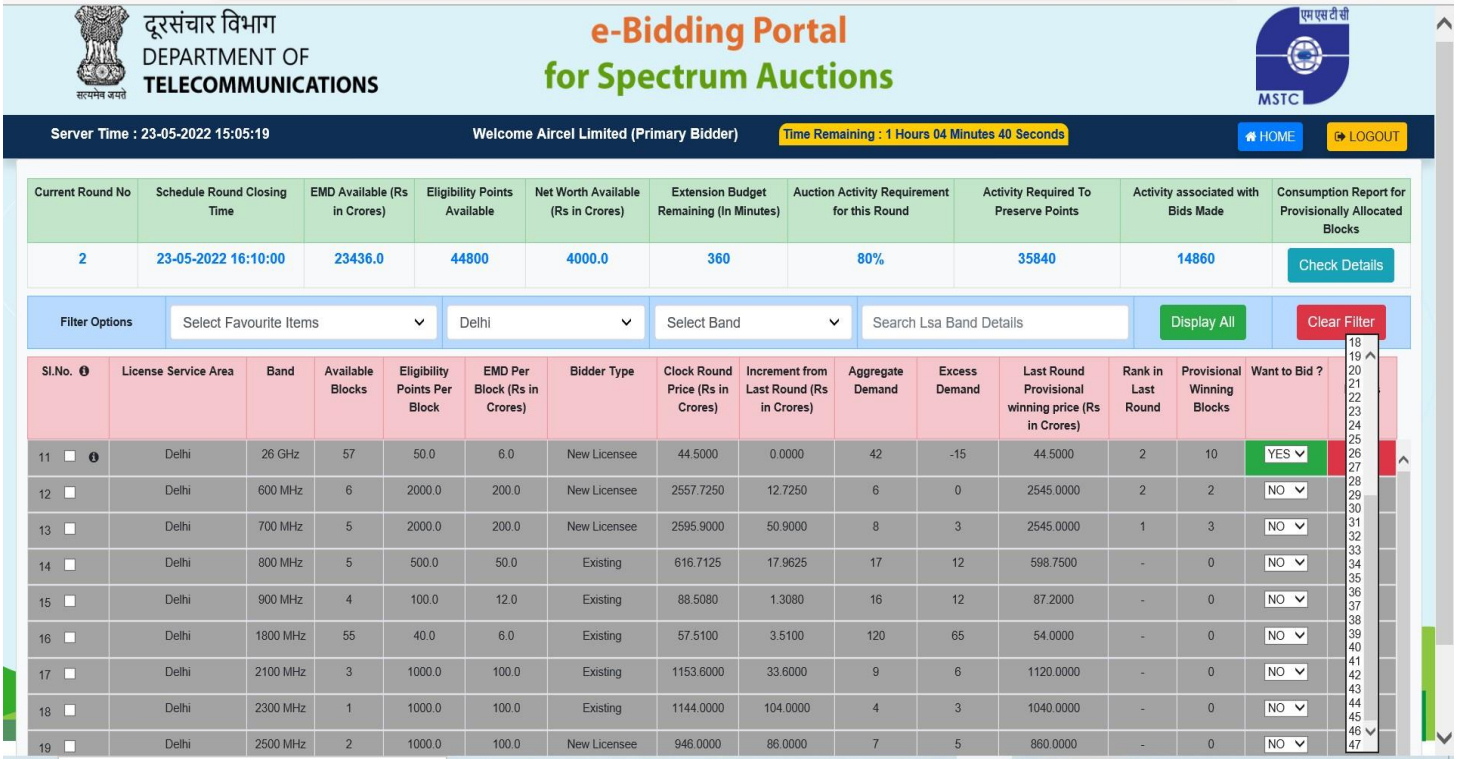
Checks in bid floor while displaying the number of blocks that can be selected:

1) The list dynamically updates to display the number of lots that can be selected, after taking into consideration, the minimum number of blocks that needs to be bid. e.g.: If the number of blocks put up for auction is 25 and the minimum number of blocks for which a bidder (new entrant) is allowed to participate is 4 then the dropdown would display 4 to 25 (and not 1 to 25). Similarly, if the bidder is an existing participant for the LSA band combination and the minimum requirement for existing bidder is 1, then 1 to 25 will be visible in the dropdown for selection.

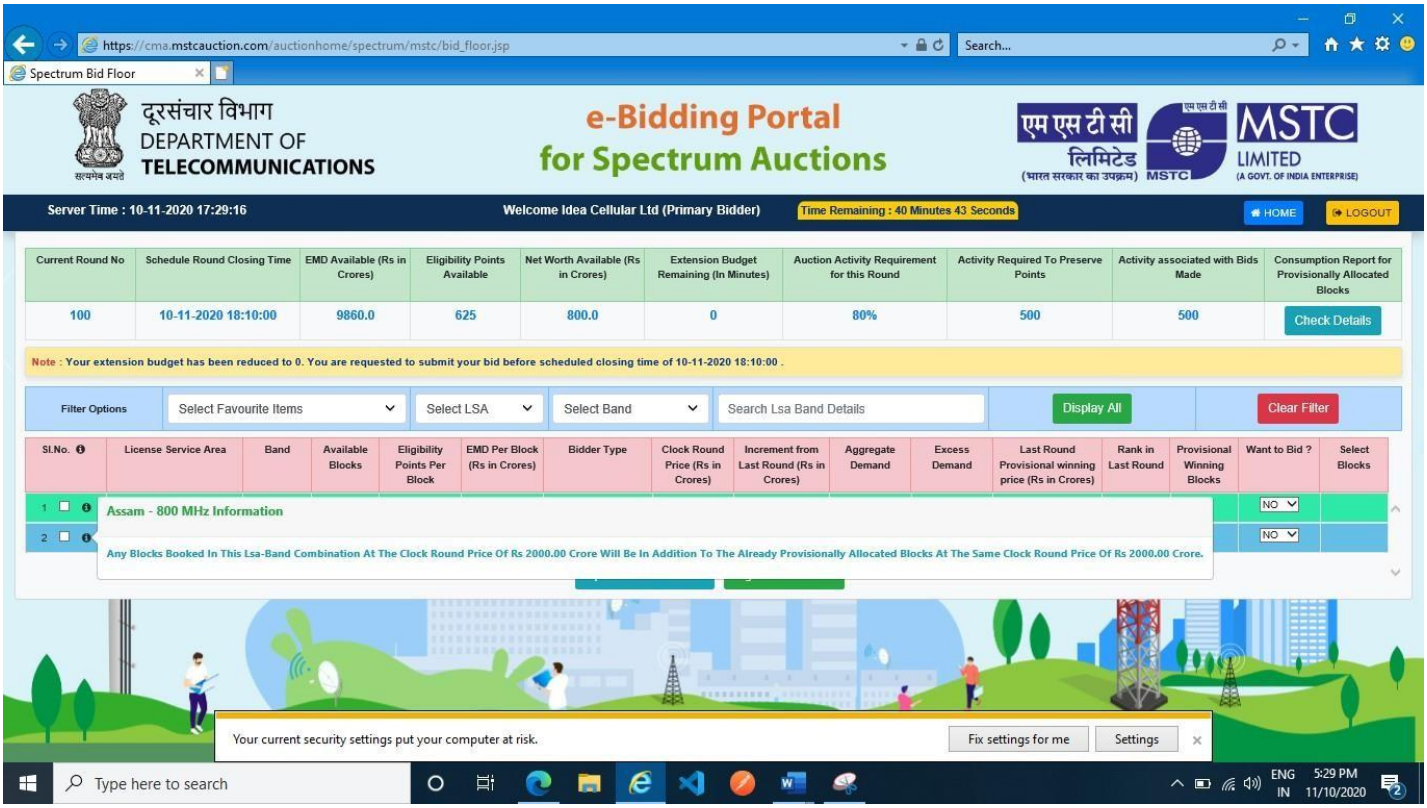
2) If the number of blocks put up for auction is less than the minimum eligibility, then 'Yes' will be disabled in the dropdown. E.g. if the number of blocks put up for auction is 2 however the minimum eligibility for a new entrant to bid in that LSA-Band combination is 3, then bidder cannot select 'yes'. Such lot will be open to bidding only for existing bidders

3) Suppose number of blocks put up for auction is 20 and bidder is provisional winner for 5 blocks, then number of blocks displayed in the current clock round (provided current CRP is same as the CRP in which the provisional allotment of 5 blocks has been done) would be 1 to 15 since the bid that would be submitted by the bidder will be in addition to the number of blocks already provisionally allotted to the bidder. Therefore, **if the bidder submits a block count of 7, then the system will consider 5 + 7 = 12 blocks for evaluation. Bidders must keep in mind that, in case the CRP of the current round is same as CRP of the provisionally winning blocks then whatever bids they are making is in addition to their existing bid and not a fresh bid, as per the above-stated example.** However if the CRP of the current round is higher than the price of the provisionally winning bids then any new bids made will be considered to be overriding the current bid:

E.g. Let number of blocks put up for auction in a particular LSA band combination is 20. The bidder has a provisional winning of 5 blocks in a particular LSA-Band combination at CRP of Rs 100 cr. Suppose the current CRP is Rs 120 cr. in which bidder is making fresh bid. Therefore, the bidder will be displayed 1 to 20 blocks in the dropdown since the bid will be considered as a fresh bid at an higher CRP and not incremental bid. If the bidder selects 3 blocks, then system will consider 3 blocks at CRP of 120cr and remaining 2 blocks at older CRP of Rs 100cr. In case the bid is for 5 or more blocks then the entire provisional allocation at CRP of Rs 100 will be superseded with the new bid at Rs 120 cr. However, if the CRP of the current round is greater than the CRP in which the Provisional allotment of 5 blocks has been done, then system will display 1 to 20 in the dropdown since the bids submitted will be superseding the current allotment at a higher price.



All such above mentioned relevant information will be displayed on hovering over the small 'i' icon displayed in the 1st column as follows:



Different information's that can be displayed while hovering over the 'i' symbol is:

1) If the bidder is provisional winner at the current CRP, system will indicate that any blocks quoted at the current CRP will be in addition to already Provisionally allocated blocks
2) In case bidder is not eligible to bid in a particular LSA-Band combination and only 'No' button is enabled, then appropriate message will be displayed.

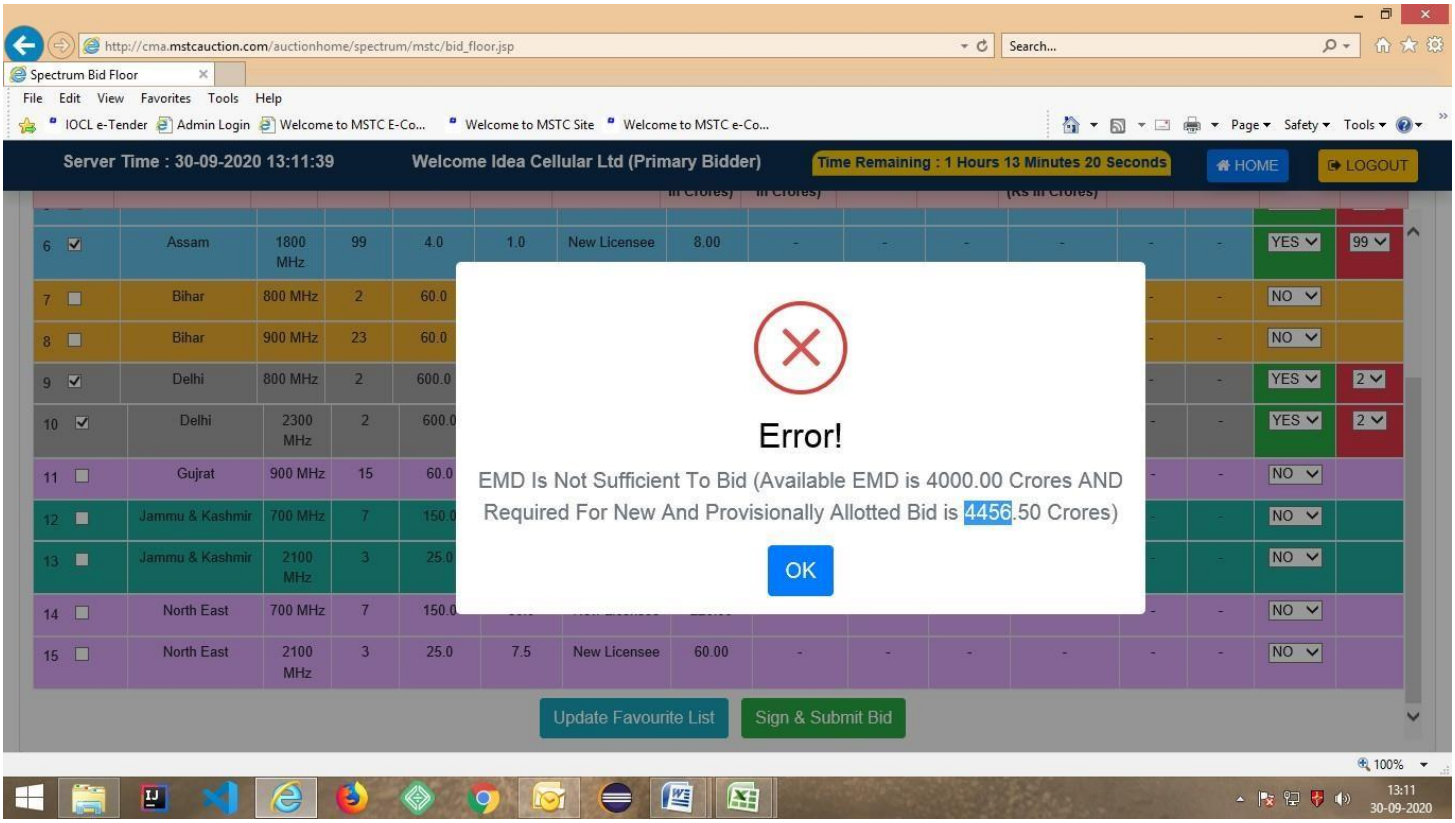
Bidders will get only once chance to submit their bids in each clock round. Therefore, they have to select Yes and appropriate number of blocks against each of the LSA-Band combinations in which they are interested to bid and then click on the button 'Sign and Submit bid'. In case, there are any violation in terms of shortfall of EMD, EP or violation of sub 1-GHz or Individual Cap (Individual Capping on 3300 MHz and 26 GHz bands) or Separate Cap (Capping Rule applicable on 1800, 2100,2300,2500 MHz), the system will display appropriate error messages.

If the bidder is quoting in 600, 700, 800, 900, 1800 and 2100 MHz bands then twice the amount of frequency quoted by the bidder will be taken into consideration for calculating the cap to accommodate both uplink and downlink frequencies e.g., if bidder is quoting 3 blocks in AP 700 and 2 blocks in AP 800, then the total frequency that will be checked against the sub 1 GHz cap is:

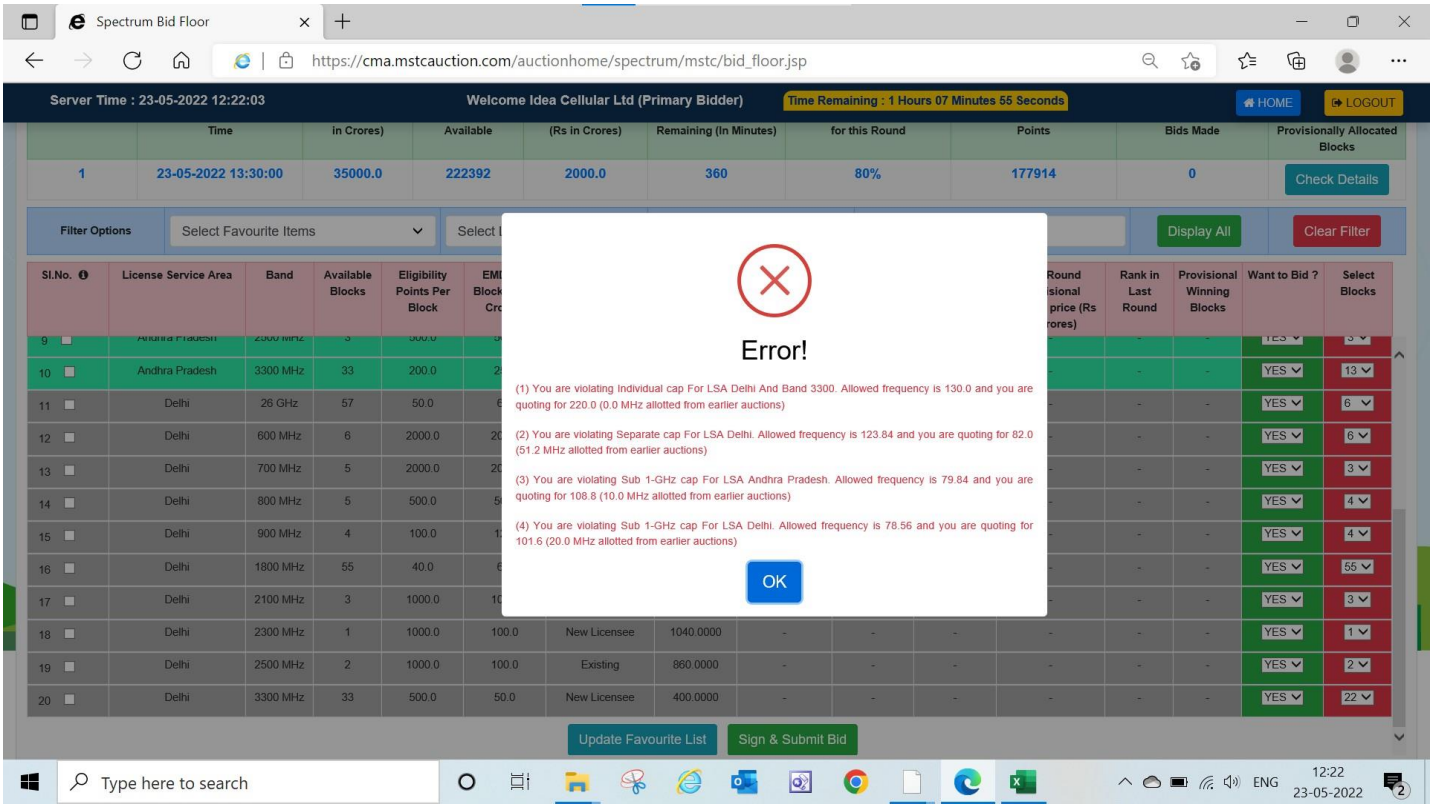
(3*5 MHz + 2*1.25 MHz) * 2 = 35 MHz.

However, if the bidding is in 2300 MHz, 2500 MHz, 3300 MHz and 26 GHz then there won't be any multiplication by 2 factor.

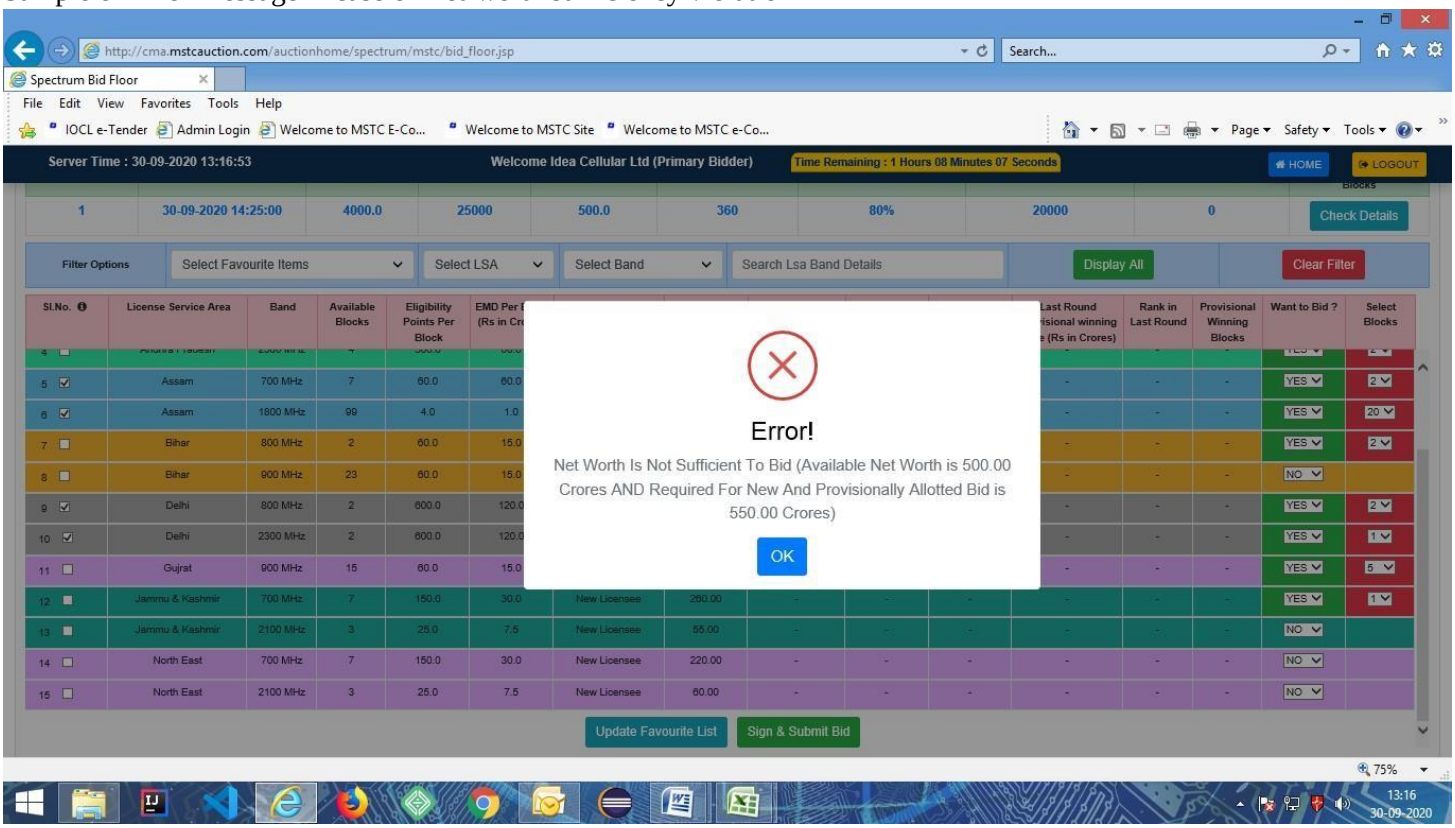
Sample of Error message in case of EMD sufficiency violation -



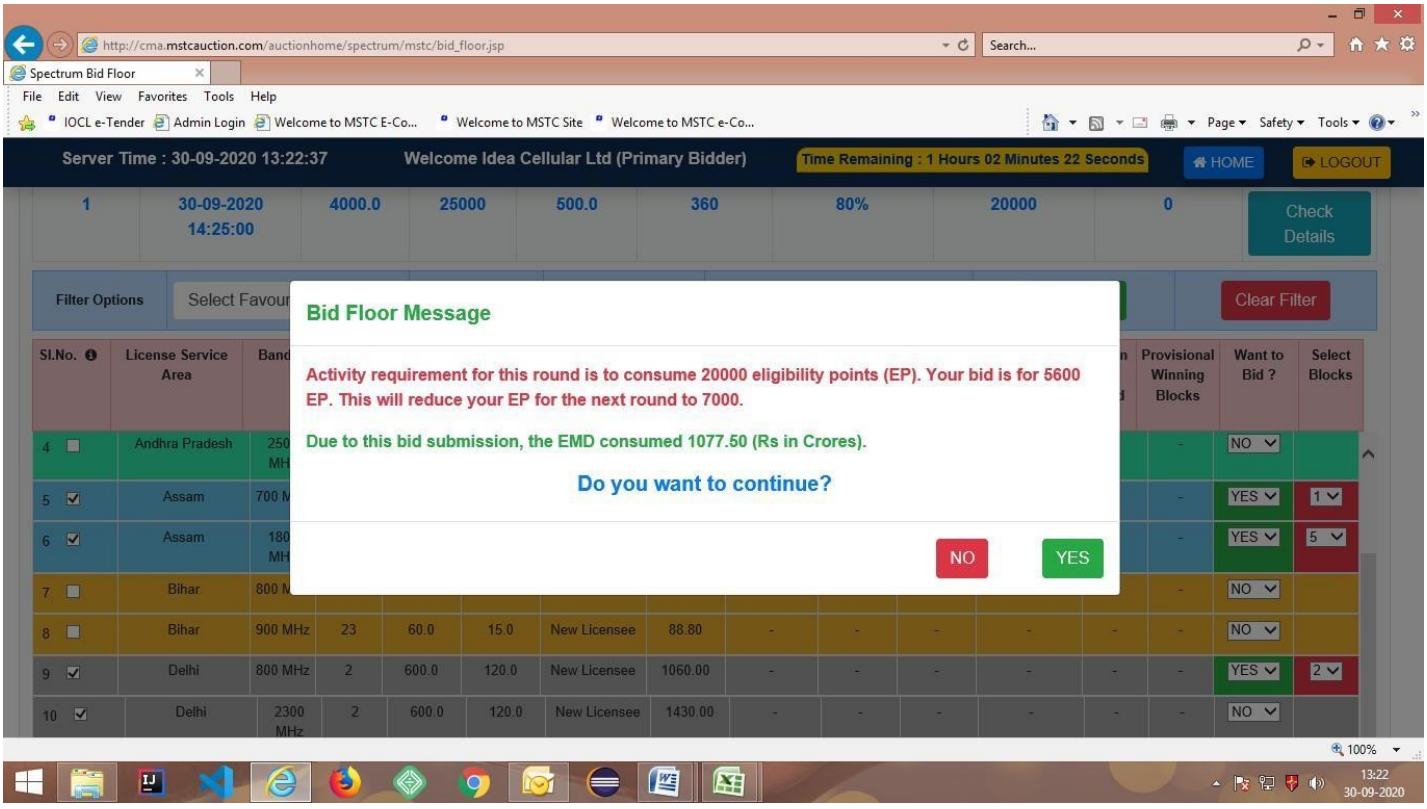
Sample of Error message in case of Individual Cap, Sub 1Ghz Cap and Separate Cap violation -



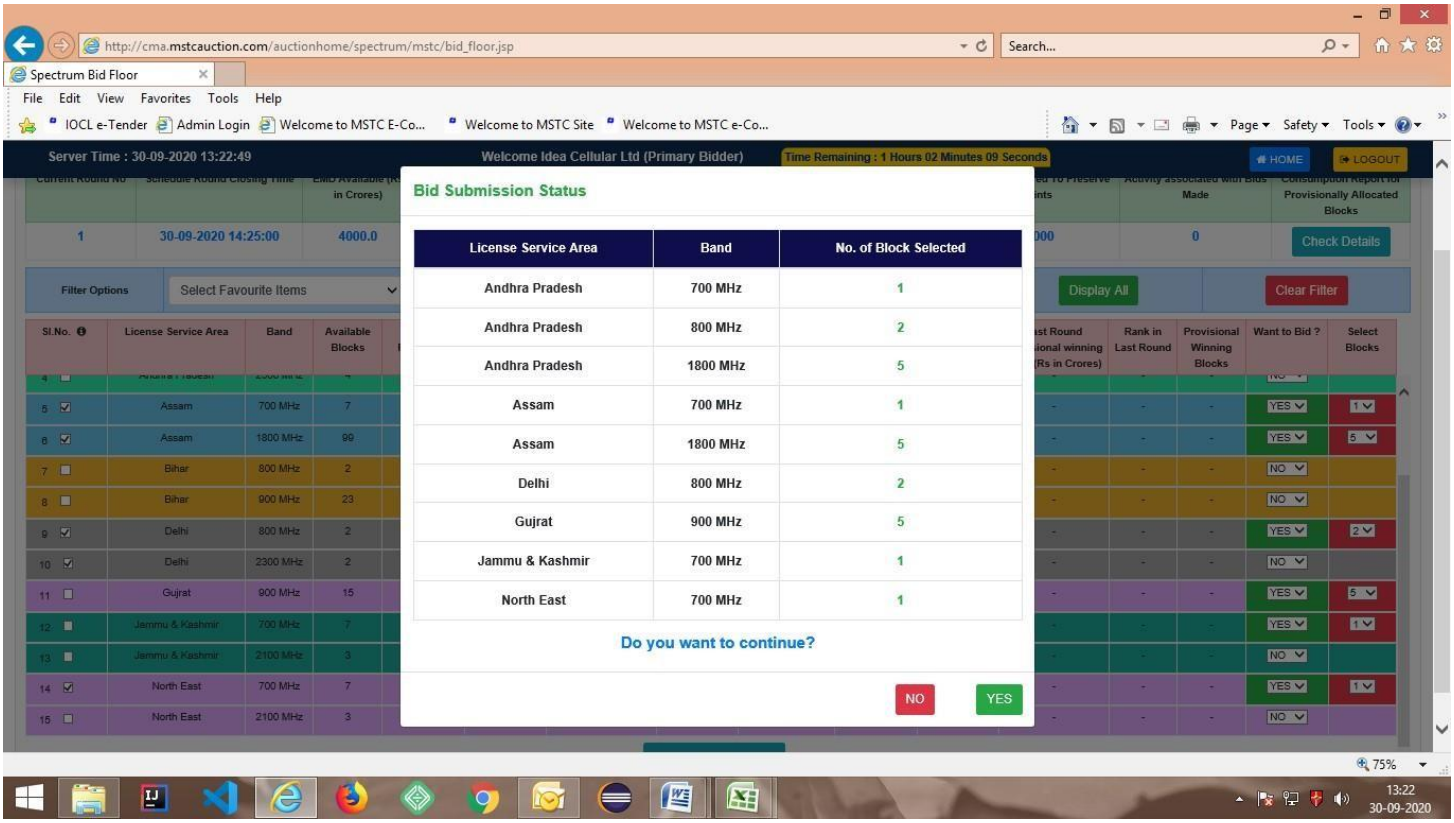
Sample of Error message in case of Net-worth sufficiency violation -



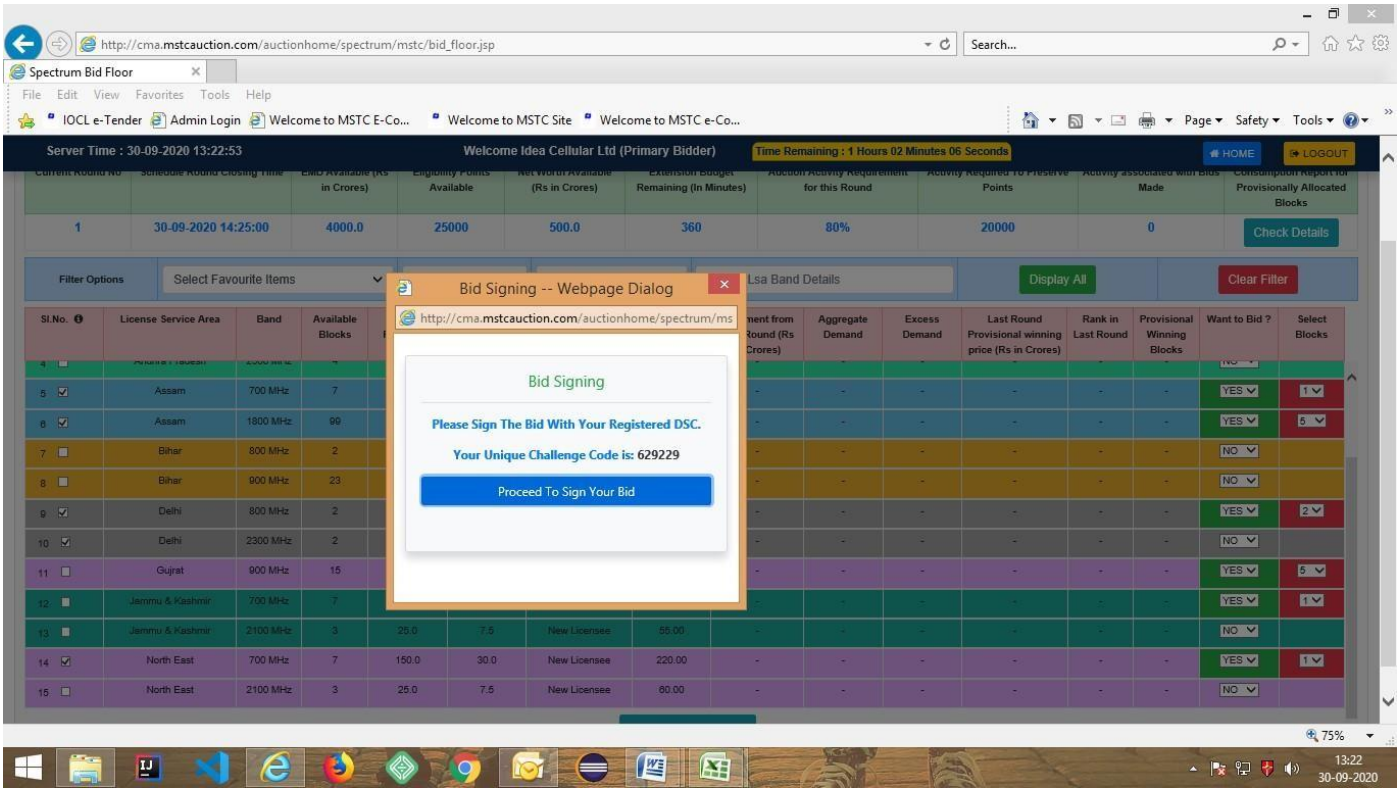
In case the bid being submitted is a valid bid, system will display the EMD amount and EP that would be deducted by virtue of the bid as well as EP that would be carried forward to the next round. Kindly note that the EMD and EP amount is aggregate of the already provisionally allocated blocks as well as any incremental bids that is being submitted in the current clock round. This blocked EMD and EP will be readjusted in the next round based on provisional allotment after determination ofranking of the current round in which bids has been made.

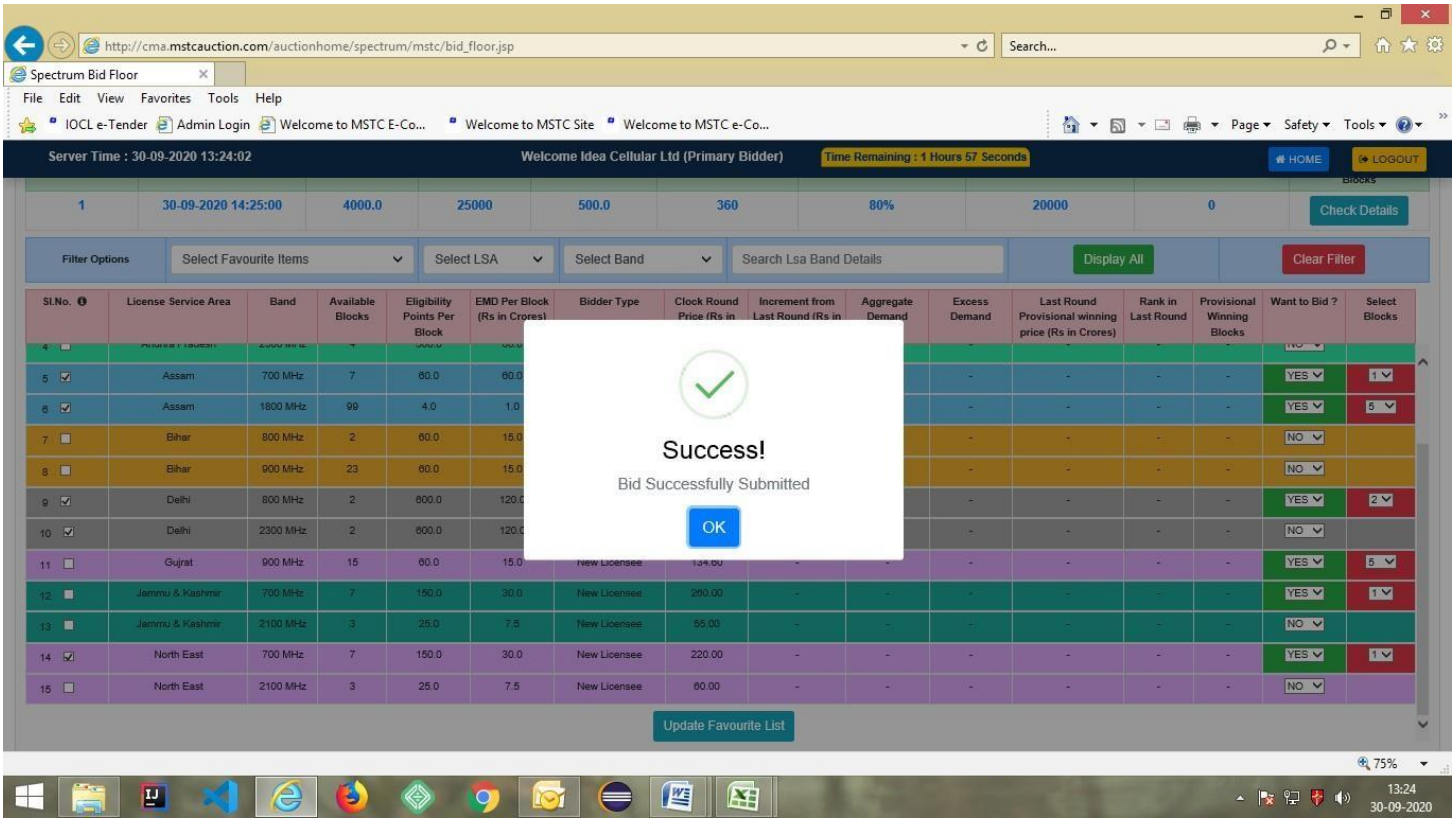


On clicking ‘Yes’, system will display the list of items for which ‘Yes’ has been selected and bid has been submitted in the current clock round:



On clicking yes, system will prompt the bidder to sign their bid with the DSC and do final submission:





Day Start and Day end Time:

There would be a day wise start time and day wise close time of the SMRA which would be pre declared. E.g. if the day wise start time is 10 am and day wise close time is 7:00pm, then the auction will start every day at 10 am and will close every day at sharp 7:00 pm. However, if a round has started for which the time remainingin completion is greater than the day-wise close time i.e., 7:00 pm of the day (suppose the round closing time is 7:30 pm) then in such case the auction shall continue till the closing time of the round i.e., the day end shall happen only once the round has ended i.e., at 7:30 pm. (Subject to round extension, if any.) (excluding holidays – if any, which will be updated through notices in the bid floor).

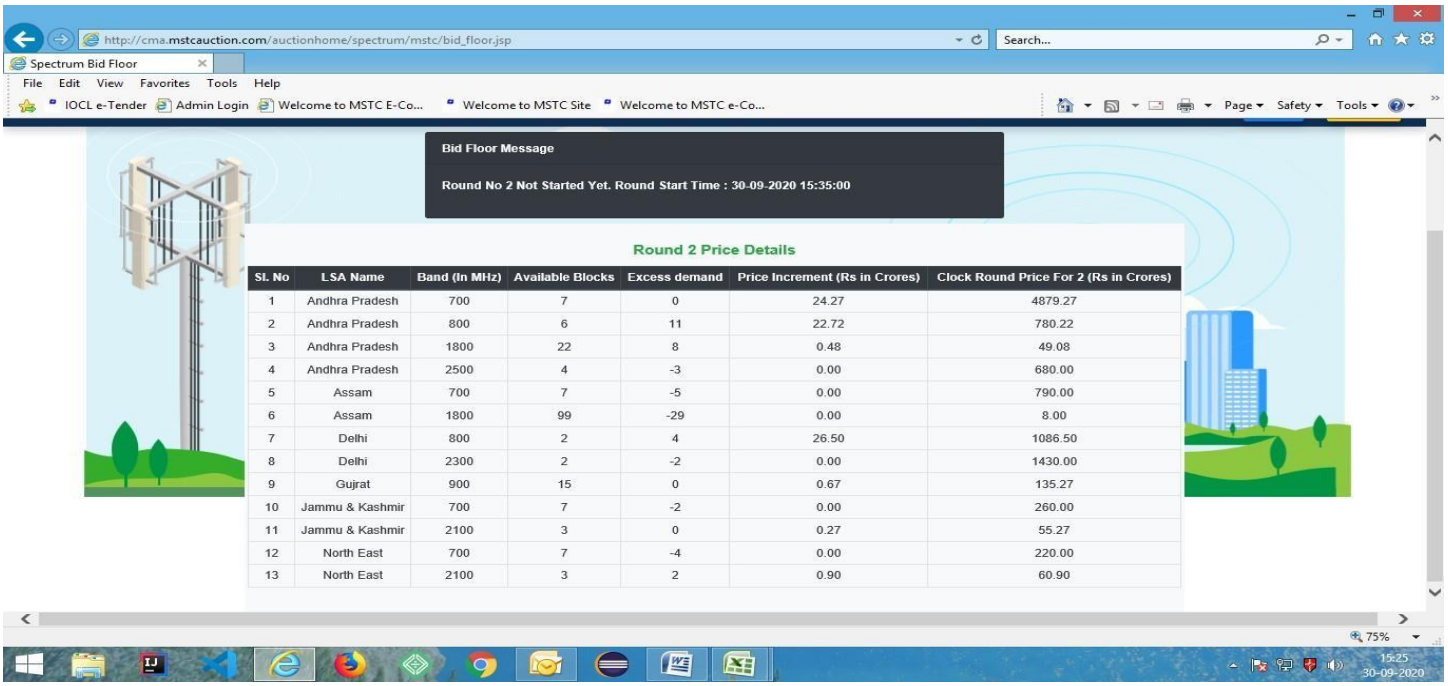
Round Duration:

Bidders will be notified in advance of the starting time and date of the first Clock Round.

1. At the initial stage, a Clock Round will be for a duration of ninety (90) minutes each for the first five (5) rounds. Round duration of subsequent rounds will be of sixty (60) minutes each.
2. A Clock Round may close prior to the finishing time of the clock round if the EAS has received bids from all bidders in that round.
3. Clock Round of sixty (60) minutes will be reduced to forty-five (45) minutes in case bidding is in less than ten (10) LSA-band combinations for four (4) consecutive rounds after intimating all bidders.
4. Round duration of next round will be restored to sixty (60) minutes in case the bidding in subsequent round equals or exceeds ten (10) LSA-band combinations.
5. The auction will go to the extension mode as per the bids which are submitted by the bidder.

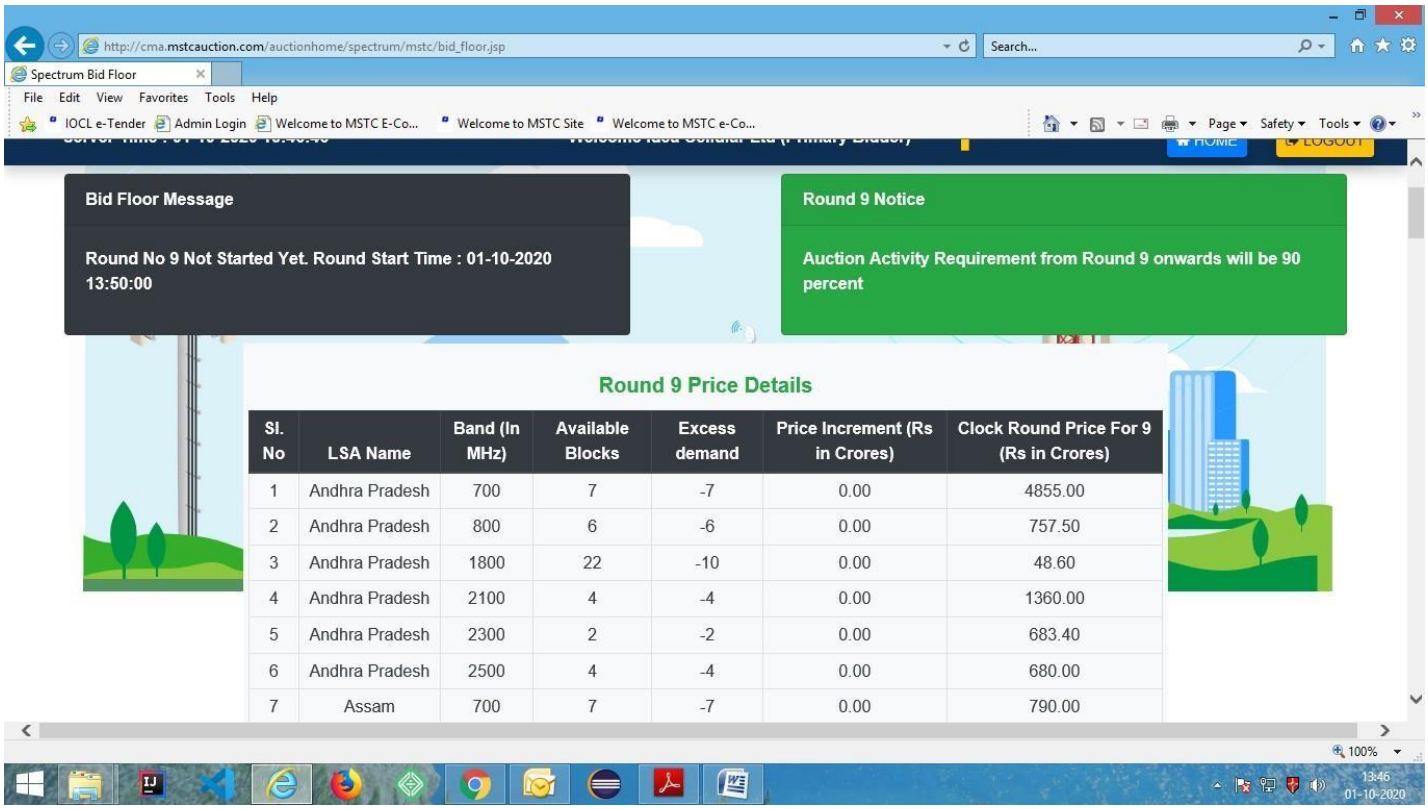
Gap Period:

During the gap period, bidder will be able to view the aggregate demand against each LSA-Band combinationas well as CRP in the next round:



Sl. No	LSA Name	Band (In MHz)	Available Blocks	Excess demand	Price Increment (Rs in Crores)	Clock Round Price For 2 (Rs in Crores)
1	Andhra Pradesh	700	7	0	24.27	4879.27
2	Andhra Pradesh	800	6	11	22.72	780.22
3	Andhra Pradesh	1800	22	8	0.48	49.08
4	Andhra Pradesh	2500	4	-3	0.00	680.00
5	Assam	700	7	-5	0.00	790.00
6	Assam	1800	99	-29	0.00	8.00
7	Delhi	800	2	4	26.50	1086.50
8	Delhi	2300	2	-2	0.00	1430.00
9	Gujrat	900	15	0	0.67	135.27
10	Jammu & Kashmir	700	7	-2	0.00	260.00
11	Jammu & Kashmir	2100	3	0	0.27	55.27
12	North East	700	7	-4	0.00	220.00
13	North East	2100	3	2	0.90	60.90

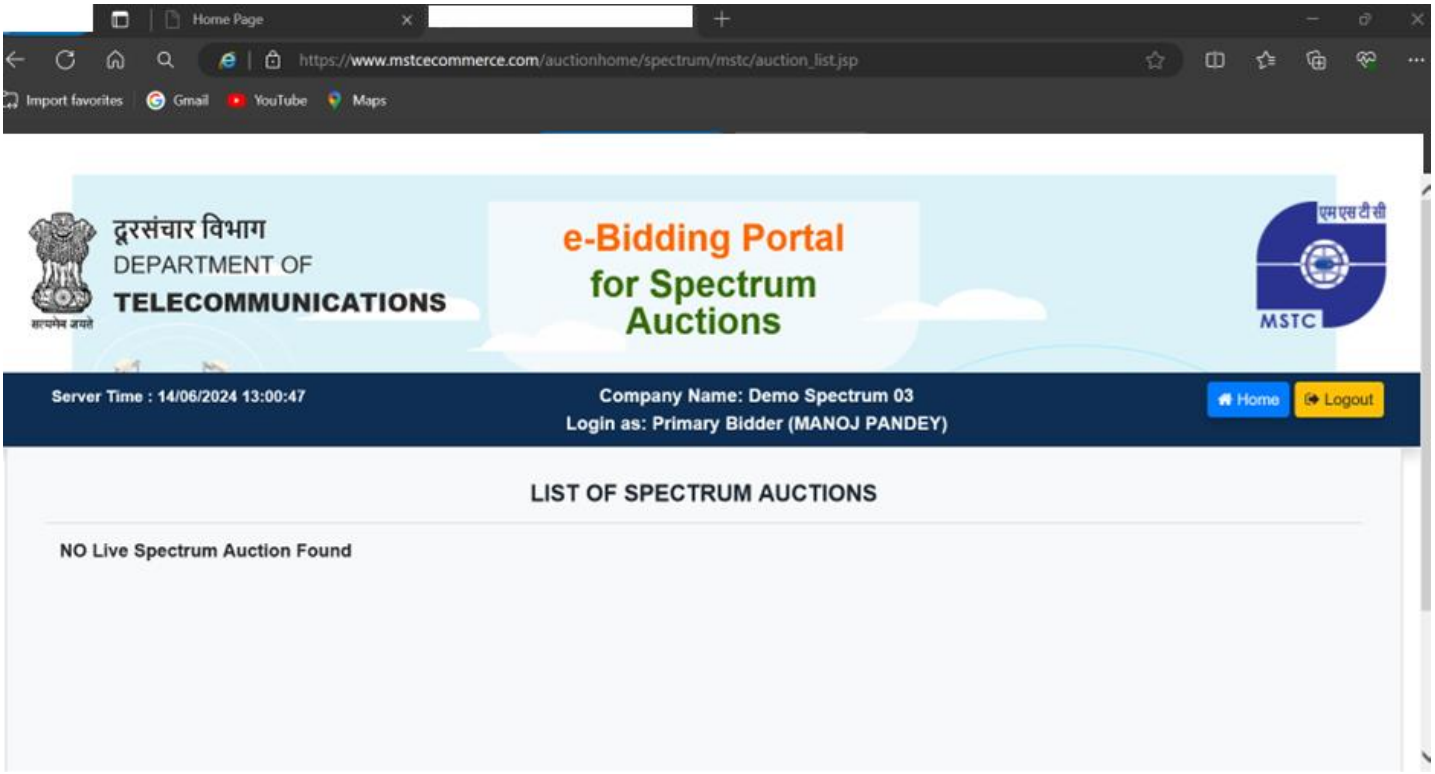
In case any notice is published, same will also be displayed during the gap period as well as in the bid floor, only during the next round:



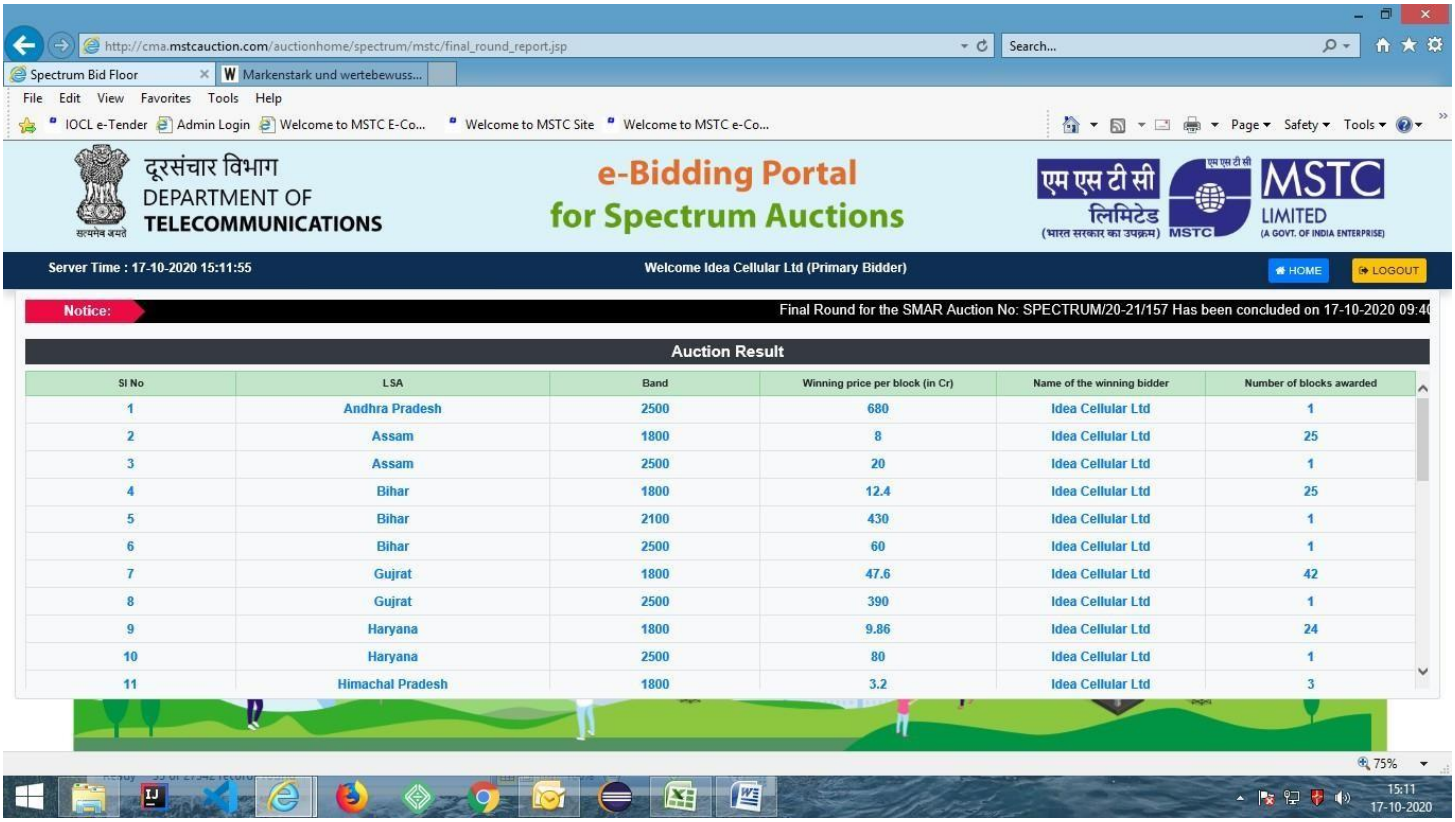
Sl. No	LSA Name	Band (In MHz)	Available Blocks	Excess demand	Price Increment (Rs in Crores)	Clock Round Price For 9 (Rs in Crores)
1	Andhra Pradesh	700	7	-7	0.00	4855.00
2	Andhra Pradesh	800	6	-6	0.00	757.50
3	Andhra Pradesh	1800	22	-10	0.00	48.60
4	Andhra Pradesh	2100	4	-4	0.00	1360.00
5	Andhra Pradesh	2300	2	-2	0.00	683.40
6	Andhra Pradesh	2500	4	-4	0.00	680.00
7	Assam	700	7	-7	0.00	790.00

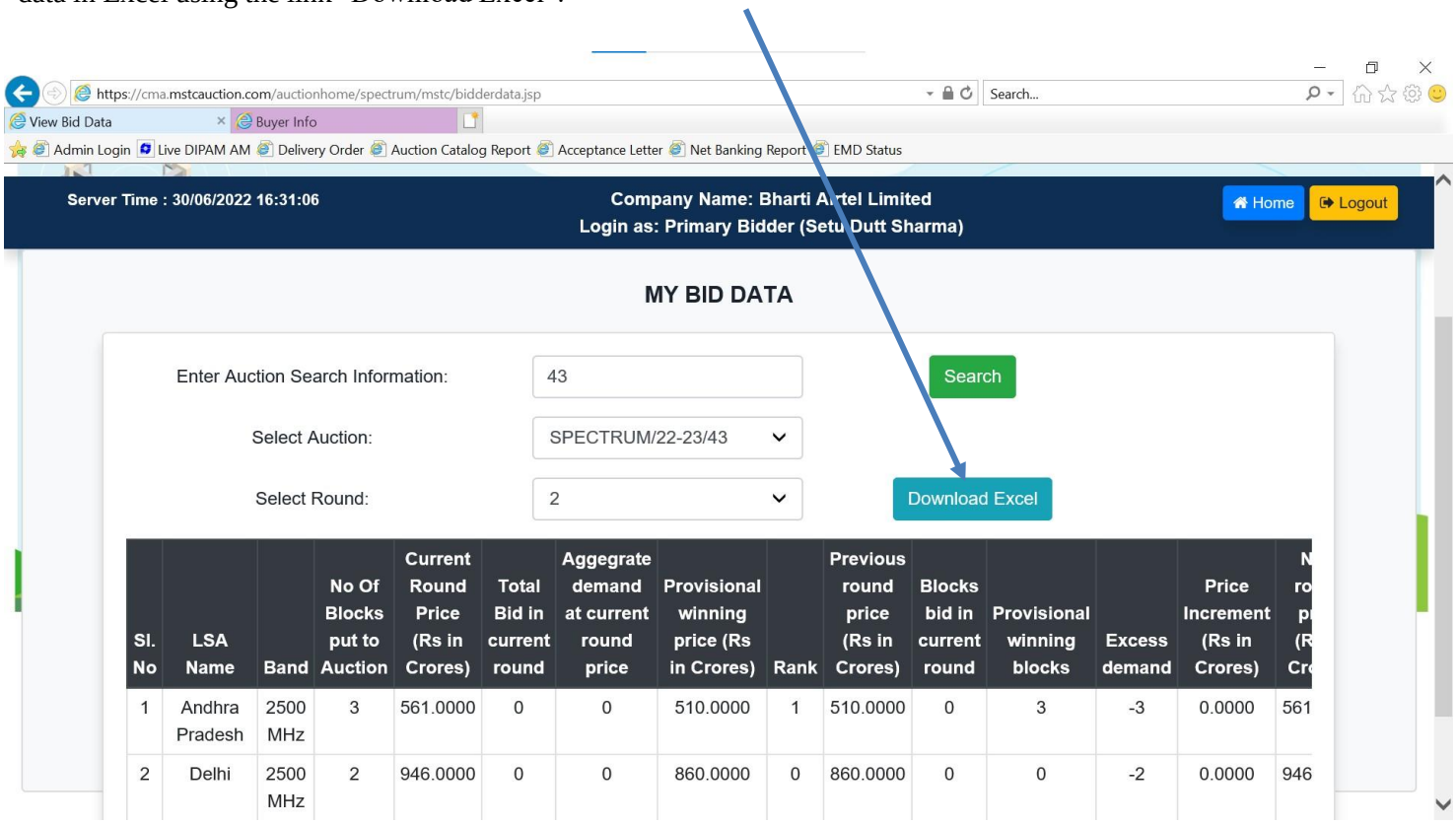
Result display after Final round:

In the event wherein for all LSAs in all the bands, if there is no bid submitted by any of the bidders i.e., bidding activity is nil prior to the scheduled close time of that clock round, in a clock round with AAR as 100%, no new round will be created/scheduled after that clock round. The bid floor shall display the message "NO Live Spectrum Auction Found" as below till the scheduled close time of the clock-round, post-which the provisional winning results shall be displayed.



After completion of the final round schedule time, bidders will be able to view the complete list of blocks awarded to that particular bidder against all the LSA-Band combinations. The page will remain in view till 12 midnight of the day, auction was closed:



My Bid Data:

Bidder will also have access to their bid history using the link, 'My Bid Data'. On clicking the link, bidders can select the event and a particular round to view their bidding history for that particular round. The bidders can also download their bid data in Excel using the link "Download Excel".