

**Guidance Document for Generation and Transfer of EPR
Certificate/Credit for Waste Tyre Management under EPR regime**

**(Hazardous and Other Wastes (Management and Transboundary
Movement) Amendment Rules, 2022)**



Central Pollution Control Board (CPCB)
Parivesh Bhawan
Delhi 32

1.0 Background

The Ministry of Environment, Forest and Climate Change (MoEF&CC), GoI, vide its notification No. G.S.R 593(E) dated July 21, 2022 has notified "Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2022" by inserting after sub-rule (3) of rule 9 of the Hazardous and Other Wastes (Management and Transboundary Movement) Rules, 2016, the sub-rule (4) on the utilization and management of waste tyre under the Extended Producer Responsibility (EPR) regime. The overall objective of said Amendment Rules is to take all steps required to ensure that Waste Tyre is managed in a manner which shall protect health and environment against any adverse effects, which may result from such waste tyres.

As per the rules, the producers are required to fulfil their Extended Producer Responsibility (EPR) obligations assigned to them through online purchase of EPR Certificates/Credits from registered Recyclers of Waste Tyres only. Further as per the provisions laid in the Rules, the Central Pollution Control Board shall generate EPR certificate, through Portal in favour of registered Recyclers. The quantity eligible for generation of EPR certificate/ credits shall be based on the quantity of Waste Tyres recycled by the Recyclers.

The registered recyclers have to upload details of quantity of Waste tyres procured/collected/imported, recycled, end products produced and sold on the Waste Tyre EPR Portal. Based on the information uploaded on the Portal, EPR certificates/credits will be generated in the favor of recycler by CPCB through the Portal. The certificates shall be subject to environmental audit by the Central Pollution Control Board or any other agencies authorized by the Central Pollution Control Board in this regard.

2.0 Guidance for Recyclers:

The present document provides detailed guidance on generation & transfer of the EPR certificates/credits. Followings are the guidance for waste tyre recyclers.

- To ensure sequential submission / upload of invoices with respect to procurement/import of raw material and sale of end products.
- Sequence of procurement/import dates and sales dates are to be maintained. (Note: Oldest date needs to be provided first and sequence need to be maintained)
- To ensure correctness of data w.r.t. domestic procurement/ import of waste tyre as per actual.
- To ensure correctness of data w.r.t. end product sold.
- To generate EPR certificate/ credits based on quantity of waste tyres recycled and quantity of end products sold.
- Invoices/bill of lading are to be uploaded both with the respect of procurement/import of waste tyres and sales of end products by the recycler. The end products sales invoices have to be GST linked.

- Maintain record of waste tyres collected/imported and recycled on the portal and make available all records for verification or audit as and when required;
- File annual and quarterly returns in the laid down form on the portal on or before the end of the month succeeding the quarter or year, as the case may be, to which the return relates;
- Ensure that the facility and recycling processes are in accordance with the standards or guidelines laid down by the Central Pollution Control Board in this regard from time to time.
- Ensure that the fractions or material not recycled in its facility is sent to the respective registered recyclers.
- Ensure that residue generated during recycling process is disposed of in an authorised treatment storage disposal facility (TSDF).

3.0 Guidance for SPCBs/PCCs for Verification of recycling facility

- SPCBs/PCCs are required to periodically verify the recycler's recycling facilities (plants & machineries) and recycling operations for effective implementation of Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2022. SPCBs/PCCs can view on the EPR Portal details of Producer and Recycler located in their state.
- SPCBs/PCCs can view the applications, uploaded documents, recycling facilities (plants & machineries), geo tagged photograph and geotagged video of recycling facility.
- SPCBs/PCCs to carry out periodical verification of various documents/invoices/information uploaded by the waste tyre recyclers on the EPR Portal for quantity of waste tyre procured/collected/imported, recycled, end product produced and sold for generation of EPR certificates.
- SPCBs/PCCs are required to verify capacities and capabilities of recyclers.

4.0 Environmental Auditing of EPR Certificate

- The certificates shall be subject to environmental audit by the Central Pollution Control Board or any other agencies authorized by the Central Pollution Control Board in this regard.
- As per the rules, any person, who provides incorrect information for obtaining extended producer responsibility certificates, uses or causes to be used false or forged extended producer responsibility certificates in any manner, over generates extended producer responsibility certificates above 5% of the actual waste recycled, wilfully violates the directions given under the provisions of this Schedule or fails to co-operate in the verification and audit proceedings, may be prosecuted under section 15 of the Act and this prosecution shall be in addition to the environmental compensation levied under paragraph 10.

5.0 Procedure for generation & transfer of EPR certificates/credits on the Waste Tyre EPR Portal

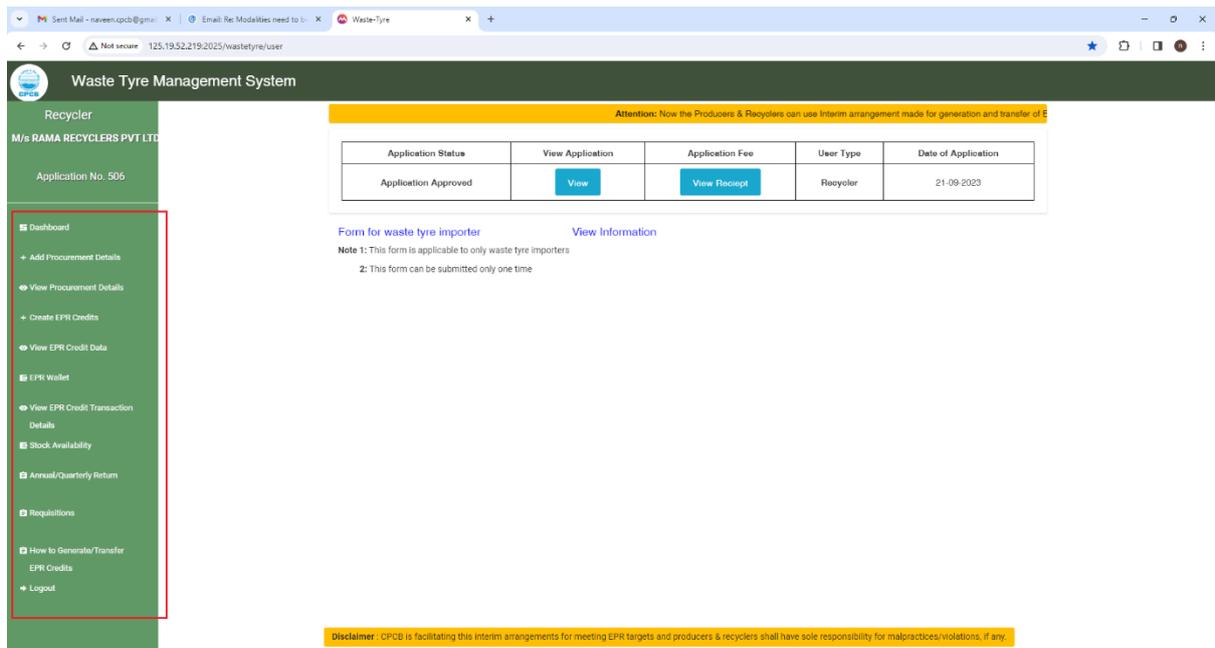
As per the rules a producer under Hazardous and Other Wastes (Management and Transboundary Movement) Amendment Rules, 2022 is required to fulfil its annual EPR obligations through purchase of EPR certificates/credits from registered recyclers. The EPR certificates/credits are to be generated by CPCB in favour of the recyclers based on the quantity of Waste tyres recycled by them. The documents requirement for generation of EPR certificate/credits is given below

- To provide information on quantity (in tonnes) of domestically procured waste tyre and/ or imported waste tyre as the case may be and upload copy of invoice and bill of lading respectively.
- To generate EPR certificates/ credits in the form of end products i.e. Crumb Rubber, Reclaim Rubber, Recovered Carbon Black, Crumb Rubber Modified Bitumen (CRMB), Pyrolysis oil & Char.
- To enter quantity of end product sold;
- To upload GST linked sales invoice corresponding to end product sold.
- To sell/transfer the EPR certificate/credits to producers for fulfilment of their EPR obligations.
- The validity of the extended producer responsibility (EPR) certificate shall be for two years from the end of the financial year in which it was generated and the expired certificate automatically extinguished after the period unless extinguished earlier as per the provisions of these rules.
- The details provided by producer and registered recycler shall be cross-checked on the portal.
- In case of any difference, the lower figure shall be considered towards fulfilment of extended producer responsibility (EPR) obligation of the producer.

Upcoming sections provides detailed steps for generation & transfer of EPR certificates. The following steps has to be followed for EPR certificate/credits generation and transfer.

Step I: Recycler Dashboard:

After Login, Recycler's Dash Board shall appear. On the dashboard Recycler registration status shall be appear and on the left side a menu bar will be appear. (Figure 1)



(Figure 1)

The Menu bar has following section to generate and transfer of EPR obligation

- a. Dashboard
- b. Add Waste Tyre Procurement details
- c. View Procurement Details
- d. Create EPR credits
- e. View EPR Credit Data
- f. EPR wallet
- g. EPR Credit (End Product) Transfer
- h. View EPR Credits Transaction details
- i. Stock Availability
- j. Annual Return
- k. Requisition

Step II: Raw Material Procurement Data:

The Recycler are required to click on the “Add Waste Tyre Procurement Details” section for the current and previous financial year as the case may be.

The following steps has to be followed for addition of Procurement Details:

1. The Recycler can make entries in this section by clicking on “Raw Material Procurement Data on their dashboard (Figure 2)

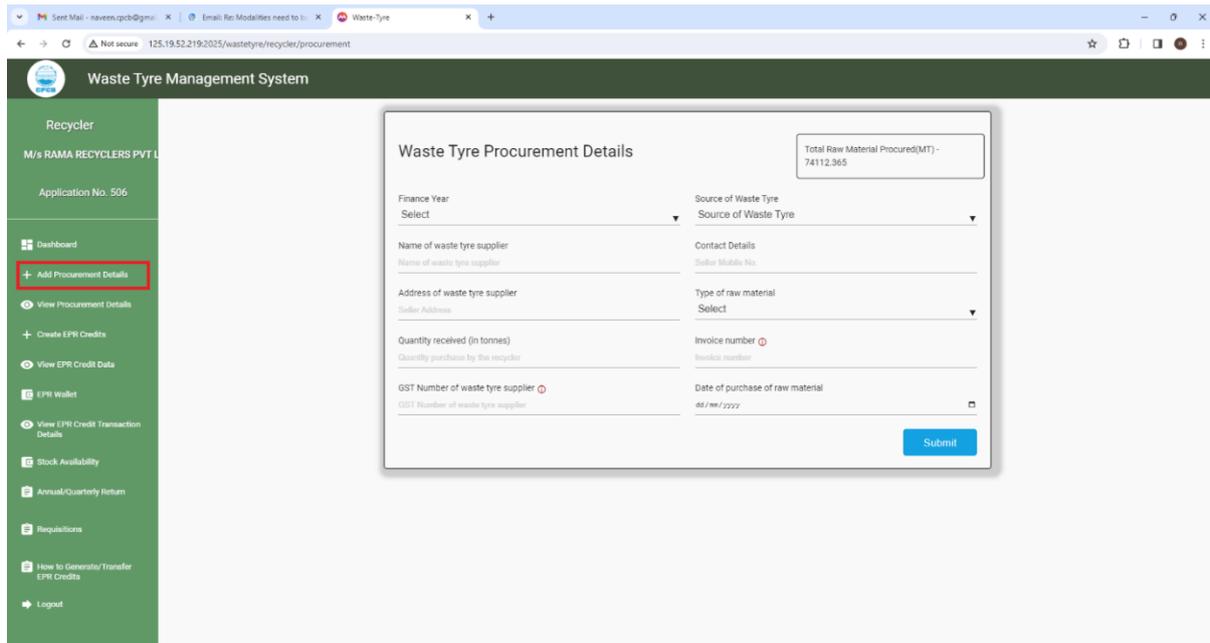
The following details are required to filled in this section

- a. Name of the supplier
- b. Address of the supplier
- c. Source of raw material (import/domestic)
- d. Quantity Procured from the supplier (in Tonnes)
- e. Invoice number of the supplier

- f. GST number of the supplier (Optional)
- g. Date of purchase of raw material

Note:

- i. After Uploading the information, the recycler cannot able to edit any information.
- ii. The quantity of Raw Material Procured should be provided in Tonnes only



(Figure 2)

Step III: View Procurement Details:

The recycler can view the entries/data of Raw Material Procurement by click on the **View Procurement Details** section. (Figure 3)

Waste Tyre Management System

Recycler
M/s RAMA RECYCLERS PVT L
Application No. 506

updated later by clicking edit option. Instruction#2: Recyclers have to fill this form for each procurement invoice separately

Import CSV Download Details in Excel

Procurement ID	Finance Year	Name of supplier	Invoice Number	Type of raw material	Quantity received (in tonnes)	Source of Waste Tyre	Date of purchase of raw material	Action
21822	2022-2023	name of country	Bill of lading	Tyres	50	Imported	05-03-2023	Update
21821	2022-2023	Arihant Waste tyre supplier	45-AE-8845	Tyres	25	Domestically	09-01-2023	Update
21820	2022-2023	Test	test454	Tyres	10.20	Imported	03-01-2023	Update
21819	2023-2024	Test Saurabh	sss55555	Tyres	10.20	Domestically	01-02-2024	Update
21815	2022-2023	Test Saurabh	dsadsa54656	Tyres	564		31-03-2023	Update
12566	2022-2023	Faisal Traders	FT/2022-23/267	Tyres	11.785		29-06-2022	Update
12565	2022-2023	Faisal Traders	FT/2022-23/266	Tyres	13.010		29-06-2022	Update
12563	2022-2023	Faisal Traders	FT/2022-23/265	Tyres	12.320		29-06-2022	Update
12562	2022-2023	Faisal Traders	FT/2022-23/264	Tyres	10.760		29-06-2022	Update
12561	2022-2023	Faisal Traders	FT/2022-23/263	Tyres	13.130		29-06-2022	Update
12560	2022-2023	Faisal Traders	FT/2022-23/262	Tyres	12.710		29-06-2022	Update
12559	2022-2023	Faisal Traders	FT/2022-23/261	Tyres	10.365		28-06-2022	Update
12558	2022-2023	Faisal Traders	FT/2022-23/260	Tyres	13.125		28-06-2022	Update

(Figure 3)

Instruction for the recycler

- i. If the recycler has not filled the invoice number and GST number at the time of entries of procurement details.
- ii. **In this section the recyclers have to update the information of source of raw material (Domestic/import Tyres) and copy of invoice/ bill of lading for procurement of raw material.**
- iii. *The recycler can download the entries of procurement details in excel format.*
- iv. *The recycler can also select the source of raw material using import CSV function*

Waste Tyre Management System

Recycler
M/s RAMA RECYCLERS PVT L
Application No. 506

tasks can be updated

Procurement data

Financial Year: 2022-2023

Raw Material: Tyres

Invoice Number: dsadsa54656

Purchased Date: 2023-03-31

Seller Name: Test Saurabh

Seller mobile: 9874653210

Purchased Quantity: 564

Seller mobile:

Source of Waste Tyre: Source of Waste Tyre

Upload invoice: Choose File No file chosen

Procurement ID	Finance Year	Name of supplier	Invoice Number	Type of raw material	Quantity received (in tonnes)	Source of Waste Tyre	Date of purchase of raw material	Action
21822	2022-2023	name of country	Bill of lading	Tyres	50	Imported	05-03-2023	Update
21821	2022-2023	Arihant Waste tyre supplier	45-AE-8845	Tyres	25	Domestically	09-01-2023	Update
21820	2022-2023	Test	test454	Tyres	10.20	Imported	03-01-2023	Update
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12558	2022-2023	Faisal Traders	FT/2022-23/260	Tyres	13.125		28-06-2022	Update

(Figure 4)

Step IV: EPR credit generation against sales of end product

1. The Recycler can make entries in this section by Click on the “**EPR credit Generation**” section available on Menu of Dashboard (Figure 5)

The following details of end product buyer are required to filled in this section

- a. Select Financial Year
- b. Name of the end product buyer
- c. Address of the address of the buyer
- d. Invoice number
- e. Sales data
- f. Upload Invoice number
- g. Select type of stock (domestically/imported)
- h. Quantity of end product sold
- i. Upload sales invoice

EPR Credit Generation Against Sale of End Products 📄

Finance Year 2023-2024	Name of the Recycler RAMA RECYCLERS PVT LTD
Address of the Recycler KHASRA NO. 235, VILLAGE ABDULPUR, KHEKADA, BAGHPAT, UTTAR PR.	Contact Details 9990927652
GST Number of the Recycler 09AEYFS0951G1ZG	Sales Date dd/mm/yyyy
Invoice number Invoice number	Name of End Product Buyer Name of End Product Buyer
<small>Note: The Recovered Carbon Black can be sold only to manufacturer of new Tyre</small>	
Address of End Product Buyer Address of End Product Buyer	

Available Stock Domestically: 2163.2 MT
 Available Stock Imported: 71110.93 MT

List of End Products

End Products	Authorized Capacity	Net Available Capacity	Conversion Factor(CF), Weight Factor(WP)	Weight of END Product (MT)	Weight of Waste Tyre used
Reclaimed Rubber	0 MT	0 MT	1.298 C _r , 1.3 W _p	Quantity	Quantity
Recovered Carbon Black	0 MT	0 MT	3.676 C _r , 1.25 W _p	Quantity	Quantity
Crumb Rubber Modified Bitumen	0 MT	0 MT	0.2 C _r , 1.1 W _p	Quantity	Quantity
Crumb Rubber	75000 MT	71078.97 MT	1.333 C _r , 1.0 W _p	Quantity	Quantity
Pyrolysis oil or Char <input checked="" type="radio"/> Batch <input type="radio"/> Continuous	0 MT	0 MT	1.49 C _r , 0.5 W _p	Quantity	Quantity

📄 Upload invoice
Submit

(Figure 5)

Note: The recycler has to be careful while selecting the Type of Stock

- **Domestically procured Tyre stock**
- **Imported Tyre stock (Applicable to only waste Tyre importers)**

The Credit generated from imported waste tyres cannot be transferred to any other producers.

Instruction:

- i. The recycler has to fill this form for each sale invoice separately
- ii. The recycler can sell the recovered carbon black to the manufacturer only

- iii. The recycler cannot sell the quantity of end product more than the available recycling capacity (Potential) filled at the time of registration of recycler.

After clicking the submit button. The EPR credit will be generated against the sold quantity of end product and appear in the EPR wallet under “Available EPR Credit” for that particular End Product

Example

If Recycler has production capacity of crumb rubber is 100 MT/annum (end product) and recycler has sold the 10 MT Crumb Rubber to a Buyer. After submitting the sales details in the EPR credit Generation” section. The quantity of EPR credit will be generate as follow and show in EPR wallet.

$$Q_{EPR} = Q_P \times C_F \times W_P$$

$$Q_{EPR} = 10 \times 1.333 \times 1$$

$$Q_{EPR} = 13.33 \text{ MT}$$

Where

Q_P - Quantity of end product sold

C_F - Conversion factor for each end product

W_P - Weightage allocated to end product

Note: The quantity sold 10 MT of crumb rubber will be deducted from the total production capacity of the recycler for that particular financial year.

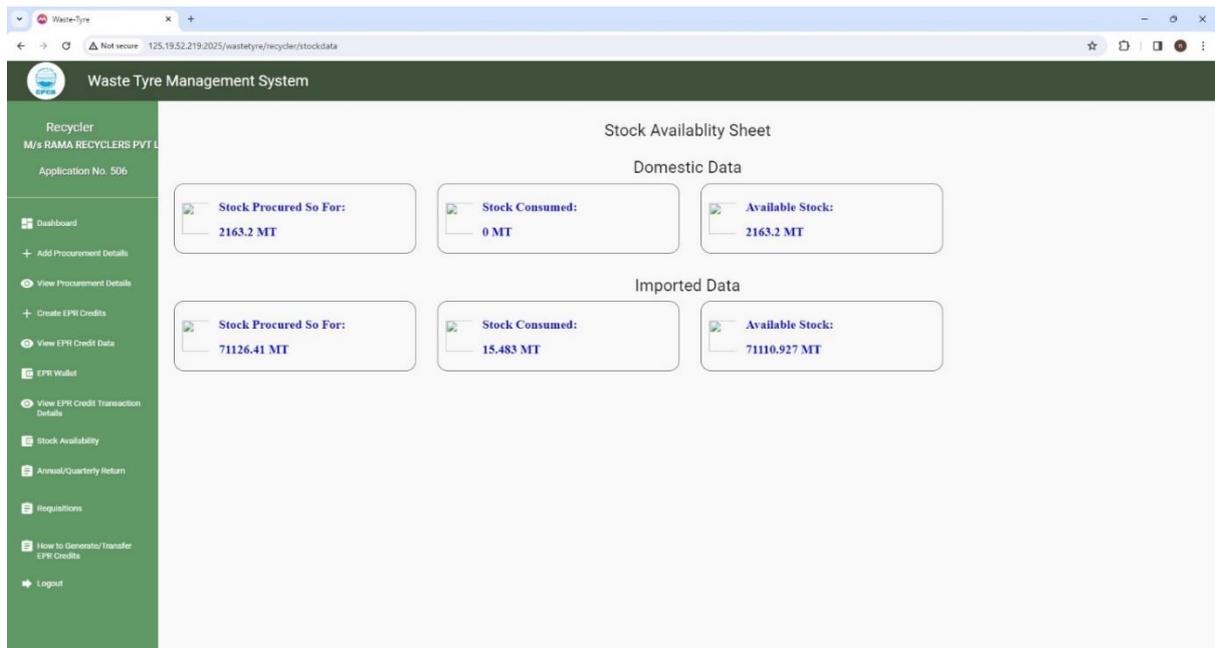
The Conversion factors and Weightage of each end product given below

Entities	Crumb rubber	Reclaimed Rubber	Crumb rubber modified bitumen (CRMB)	Recovered carbon black	Pyrolysis oil and Char	
					Continuous	Batch
Weightage (W_P)	1.0	1.3	1.1	1.25	0.8	0.5
Conversion Factor (C_F)	1.333	1.298	0.2	3.676	1.49	1.49

Note: The weightage W_P for imported waste tyres shall be 1 for all categories of end product

Step V: View the availability of Stock:

In this section, there are two separate stocks for domestic and import tyres



(figure 6)

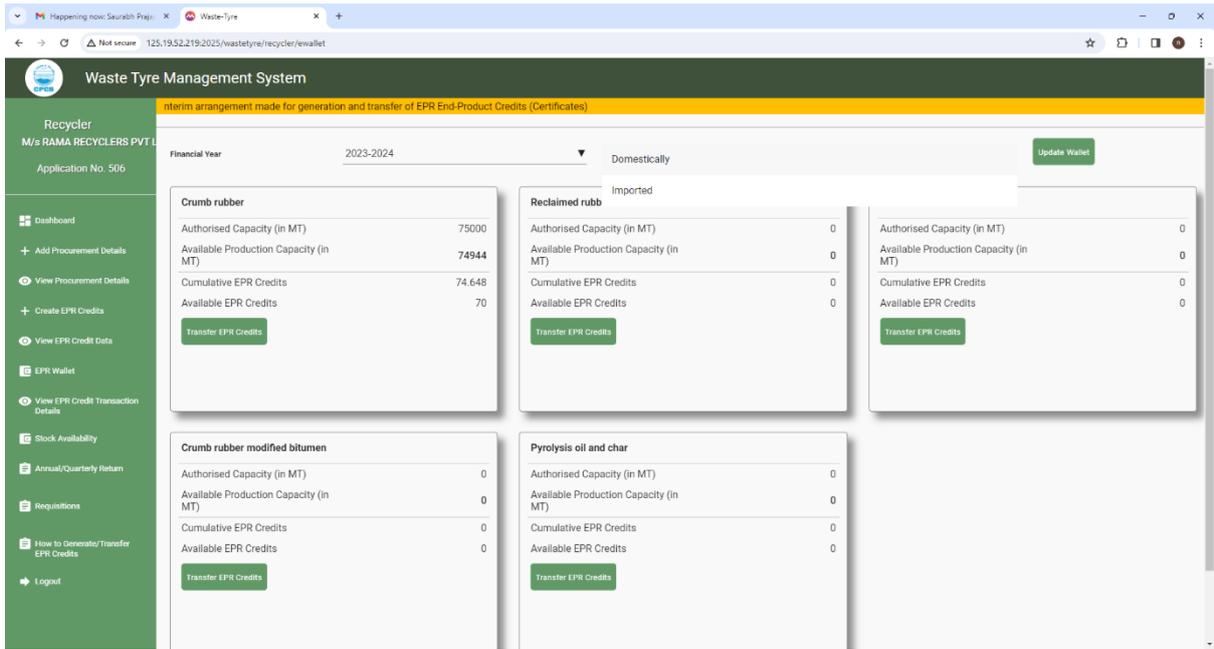
Step VI: View EPR credit data:

The recycler can view the details of buyer (whom recycler has sold the end products) by click on the “**View EPR credit data**” section (figure 6)

Step VII: EPR Wallet of the Recycler:

In the EPR wallet the recycler can check and transfer the EPR credits to producer.

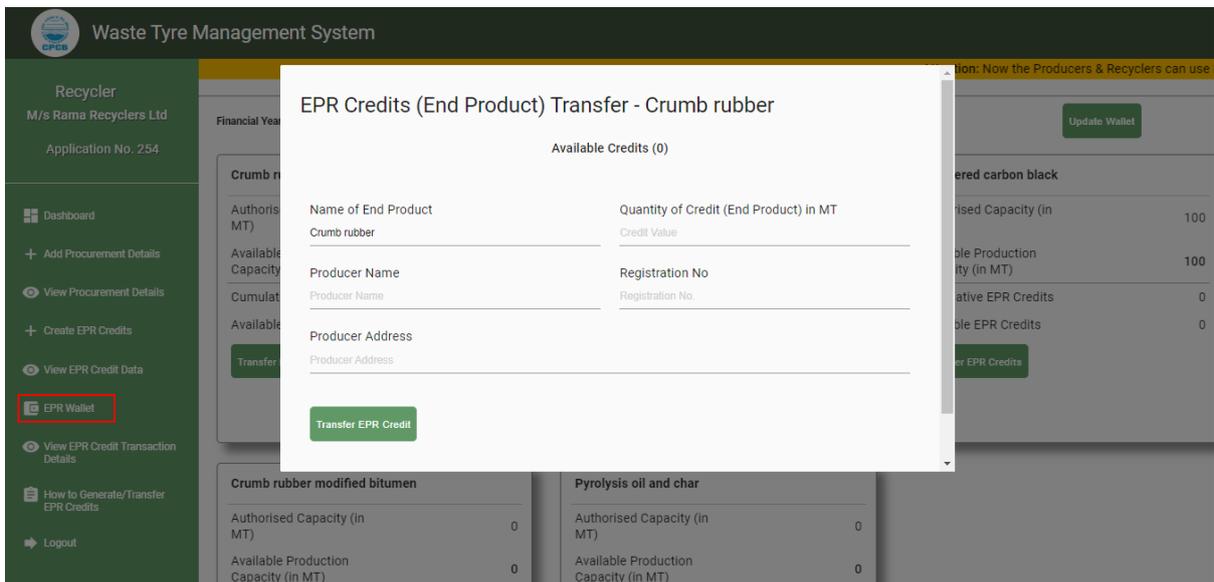
The Recycler can proceed to the ‘Wallet’ section by clicking on “EPR Wallet” present on the Left menu bar on the Dashboard. Wallet will be updated corresponding to the sales of different End Products. The Wallet shall display Cumulative Credits, Used/Transferred credits, Available credits, and Denominated credits in tonnes **as shown in the Figure. 7**



(Figure 7)

Step VIII: Transfer Credits

Click 'Transfer' button on EPR Wallet, a window will be open for fillup the producer's details. (figure 8)



(Figure 8)

Instruction:

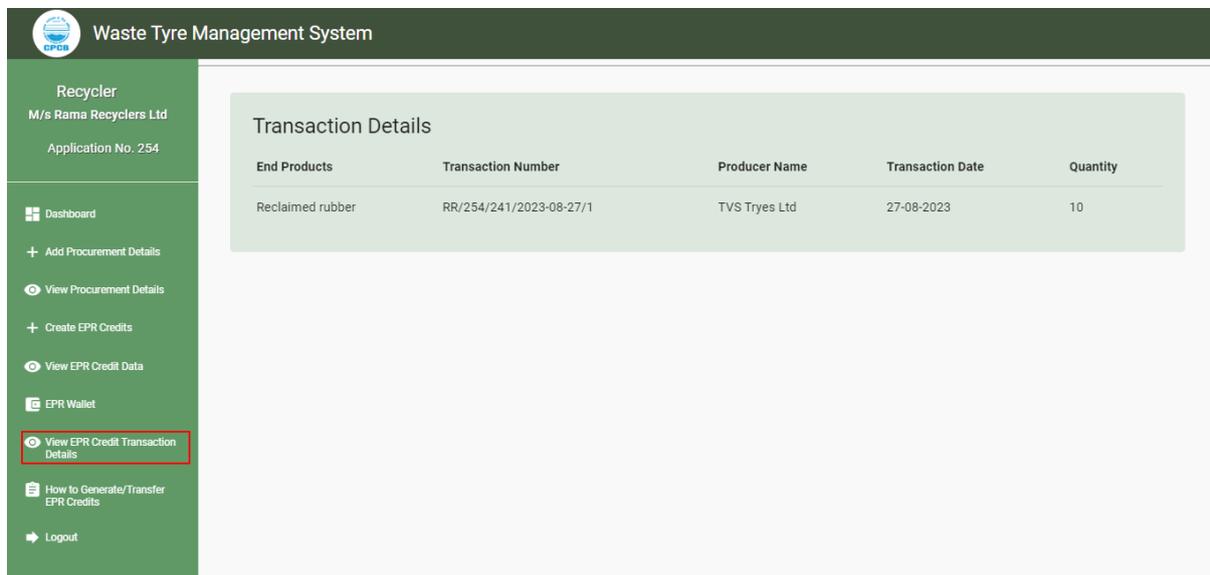
- The Recycler shall enter the quantity of credit (End Product) transfer and will select the Name of the Producer to transfer EPR credits
- The Recycler will click on 'Transfer EPR Credit' button to transfer the EPR credits to the Producer

- iii. Once the EPR credits are transferred to the Producer, these quantity of credits will be deducting form the producer’s EPR obligation as shown in the fig. 9

Note: The Credit generated from imported waste tyres cannot be transferred to any other producers. The recycler (waste tyre importer) can use these credits to fullfill their own EPR obligations

Step IX: View EPR credit transaction details:

The recycler can view the transaction details of EPR details transferred to producers by click on the **EPR credit transaction details**” section. (Figure 9)



(Figure 9)

Important Note:

- Perform all actions considering the system validations and restrictions.
- Follow the stepwise instructions to avoid errors.
- Ensure accurate data entry for successful certificate generation and transfer.