



## Tinna Rubber And Infrastructure Limited

CIN NO. : L51909DL1987PLC027186

Regd. Office : Tinna House, No-6, Sultanpur, Mandi Road,  
Mehrauli, New Delhi - 110030 (INDIA)

Tel. : (011) 4951 8530 (70 Lines), (011) 4900 3870 (30 Lines)

Fax : (011) 2680 7073

E-mail : tinna.delhi@tinna.in

URL - www.tinna.in

12<sup>th</sup> November, 2019

The Director (HSMD),  
Ministry of Environment & Forest,  
Paryvaran Bhawan, New Delhi

**Sub: Application for Import of Used Rubber Tyre Scrap 7,000 Mts. (Cut in 2 /or 3 Pcs/  
Multiple Cut, Shredded/ Press Baled & Buffing) and waste tube scrap for Wada Plant,  
Maharashtra.**

Dear Sir,

We are enclosing herewith our application for import of 7,000 tons Used Rubber Tyre Scrap for our Wada Plant, Maharashtra along with following documents.

1. Application in Form 5
2. Application in Form 6
3. Annexure "A" note on the Process.
4. Production Flow Chart
5. Pollution consent to order no. Consent no. MPCB/18/138/1803000170 dated 03.03.2018 valid upto 30.04.2020.
6. We are enclosing herewith the acknowledge letter receipt from Maharashtra Pollution Control Board.
7. Pollution Authorisation no MPCB/RO(HQ)/HSMD/Autho/17/H&OW-1708000010 dated 10.08.2017 valid upto 31.07.2022
8. Copy of Previous MOEF Letter vide no F. No 5-22/2010-HSMD dated 13.06.2018 along with Utilisation Chart.
9. List of Sale Bills.
10. List of manpower employment.
11. Our Electricity connection load of unit is 2000 KW & manpower employment is 236 per day.
12. Video and Photographs of the plant.
13. Board resolution authorized to Mr. B P Gogia for sign the application & documents.

Thanking You,

Yours Faithfully,  
For Tinna Rubber & Infrastructure Limited

Authorised Signatory 

**FORM 5**  
[See rules 13 (1) and 14 (1)]

**APPLICATION FOR IMPORT OR EXPORT OF HAZARDOUS AND OTHER WASTE FOR REUSE  
OR RECYCLING OR RECOVERY OR CO-PROCESSING OR UTILISATION  
For Our Gummidipundi Plant**

**TO BE FILLED IN BY APPLICANT**

S. No.	Description	Details to be furnished by the importer or exporter
(1)	(2)	(3)
1.	Importer or Exporter (name and address) in India	Tinna Rubber And Infrastructure Ltd
	Contact person	Mr..Vijay Kumar-9910093557
	Tel, fax and e-mail	Tinna.delhi@tinna.in
	Facility location/address	Gut No 113/2 & 114/2, Village Pali, Taluka Wada, Jawahar Road, Distt. Palghar, Maharashtra-421 303
	Reason for import or export	Import of Used Rubber Tyre Scrap for recycling and making Crumb Rubber Power, Reclaim Rubber
2.	Importer or exporter (name and address) outside of India	Various suppliers from USA, UK, South Africa, Europe, Australia, Gulf, New Zealand & Asia.
3.	Details of waste to be imported or exported	Import of used rubber tyre scarp (cut in 2/3 pcs/multiple cut/ shredded/press baled, buffing and waste tube scrap
	(a) Quantity	7,000 Mt.
	(b) Basel No.	B3140
	(c) Single/multiple movement	Multiple
	(d) Chemical composition of waste (attach details), where applicable	Used Rubber Tyre scrap
	(e) Physical characteristics	Rubber and steel wire
	(f) Special handling requirements, if applicable	NA
4.	For Schedule III A hazardous waste whether Prior Informed Consent has been obtained	Yes, Authorisation no. MPCB/RO(HQ)/HSMD/Autho/17/H&OW-1708000010 dated 10.08.2017 valid upto 31.07.2022 & CTO No. MPCB/18/138/1803000170 dated 03.03.2018 valid upto 30.04.2020.
5.	<b>For importer</b> (a) Process details along with environmental safeguard measures (attach separate sheet)  (b) Capacity of recycling or co-processing or recovery or utilization  <b>Enclose a copy each of valid authorisation and valid consent to operate from SPCB</b>	Attached  32 TMT  Consent no. MPCB/18/138/1803000170 dated 03.03.2018 valid upto 30.04.2020.
6.	Details of import against the Ministry of Environment, Forest and Climate Change permission in the previous three years	Already Provided
7.	Port of entry	At any sea ports and ICD in India

For Tinna Rubber And Infrastructure Ltd.

  
Authorised Signatory

## 8. Undertaking

I hereby solemnly undertake that:

- (i) The information is complete and correct to the best of my knowledge and legally-enforceable written contractual obligations have been entered into and that my applicable insurance or other financial guarantees are or shall be in force covering the transboundary movement.
- (ii) The waste permitted shall be fully insured for transit as well as for any accidental occurrence and its clean-up operation.
- (iii) The record of consumption and fate of the imported waste shall be recorded and report sent to the SPCB every quarter.
- (iv) The hazardous or other waste which gets generated in our premises by the use of imported hazardous or other wastes in the form of raw material shall be treated and disposed of as per conditions of authorisation.
- (v) I agree to bear the cost of export and mitigation of damages if any.
- (vi) I am aware that there are significant penalties for submitting a false certificate/ undertaking/ disobedience of the rules and lawful orders including the possibility of fine and imprisonment.
- (vii) The exported wastes shall be taken back, if it is not acceptable to the importer.

**For Tinna Rubber And Infrastructure Ltd**

**Authorised Signatory**

**B.P.GOGIA**  
**General Manager Finance**

**Date:12.11.2019**  
**Place: New Delhi**

For Tinna Rubber And Infrastructure Ltd.

  
Authorised Signatory

**FORM – 6**  
[See rules 13(2), 13 (10) and 14 (5)]

**TRANSBOUNDARY MOVEMENT- MOVEMENT DOCUMENT**

S.No	Description	Details to be furnished by the exporter or importer
(1)	(2)	(3)
1	Exporter (Name and Address) Contact Person Tele, Fax and email	Tyre scrap recycler/shipper/dealer from USA, UK, Africa, Europe, Australia, Gulf, New Zealand & Asia.
2.	Generator(s) of the waste (Name and Address) <sup>1</sup> Contact Person Tele, Fax and email Site of generation	
3.	Importer or Actual user (Name and Address) Contact person Tele, Fax and email	Tinna Rubber And Infrastructure Ltd, Gut No 113/2 & 114/2, Village Pali, Taluka Wada, Distt. Palghar, Maharashtra-421 303 Mr. Vijay Kumar-9910093557 tinna.delhi@tinna.in
4.	Trader (Name and Address) Contact person Tele, Fax and email Details of actual user (Name, Address, Telephone and email)	NA
5.	Corresponding to applicant Ref. No., If any	Tinna Rubber And Infrastructure Ltd Mr. Mob: Email: tinna.delhi@tinna.in
6.	Bill of lading (attach copy)	N/A - FRESH APPLICATION
7.	Country of import/export	USA, UK, South Africa, Europe, Australia, Gulf, New Zealand & Asia.
8.	General description of waste (a) Quantity (b) Physical characteristics (c) Chemical composition of waste (attach details), where applicable (d) Basel No. (e) UN Shipping name (f) UN Class (g) UN No (h) H Number (i) Y Number (j) ITC (HS)	Used Rubber Tyre Scrap Cut in 2/ or 3 pcs/Multiple /Shredded/press baled, buffing and waste tube scrap 7,000 Mt. Solid Rubber & Steel Wire B3140 End – of – life tyres 16 Wastage not otherwise specified in List 400400
	(k) Customs Code (H.S.) (l) Other (specify)	400400
9.	Type of packages Number	20Ft.& 40Ft. HQ containers
10.	Special handling requirements including emergency provision in case of accidents	NA NA

For Tinna Rubber And Infrastructure Ltd.

  
Authorised Signatory

11.	Movement subject to single/multiple consignment	Multiple
	In case of multiple movement-	
	(a) Expected dates of each shipment or expected frequency of the shipments	:
	(b) Estimated total quantity and quantities for each individual shipment	:
12.	Transporter of waste (Name and Address) <sup>1</sup> Contact Person Tele, Fax and email	: as available
	Registration number	:
	Means of transport (road, rail, inland waterway, sea, air) <sup>2</sup>	:
	Date of Transfer	:
	Signature of Carrier's representative	:
13.	<b>Exporter's declaration for hazardous and other waste:</b>	
	I certify that the information in Sl. Nos. 1 to 12 above are complete and correct to my best knowledge. I also certify that legally-enforceable written contractual obligations have been entered into and are in force covering the transboundary movement regulations/rules.	
	Date:..... Signature:.....	
	Name:.....	
<b>TO BE COMPLETED BY IMPORTER (ACTUAL USER OR TRADER)</b>		
14.	Shipment received by importer/ actual user/trader <sup>2/3</sup>	
	Quantity received.....Kg/litres	
	Date:	
	Name: Signature:	
15.	Methods of recovery	
	R code*	R5
	Technology employed (Attached details if necessary)	
16.	I certify that nothing other than declared goods covered as per these rules is intended to be imported in the above referred consignment and will be recycled /utilized. Signature: Date:	
17.	SPECIFIC CONDITIONS ON CONSENTING TO THE MOVEMENT if applicable.	(attach details)
<b>Notes:-</b> (1) Attach list, if more than one; (2) Select appropriate option; (3) Immediately contact competent authority in case of any emergency; (4) If more than one transporter carriers, attach information as required in SL. No. 12.		

#### List of abbreviations used in the Movement Document

#### Recovery Operations (\*)

- R1** Use as a fuel (other than in direct incineration) or other means to generate energy.  
**R2** Solvent reclamation/regeneration.  
**R3** Recycling/reclamation of organic substances which are not used as solvents.

For Tinna Rubber And Infrastructure Ltd.

  
 Authorised Signatory

- R4** Recycling/reclamation of metals and metal compounds.
- R5** Recycling/reclamation of other inorganic materials.
- R6** Regeneration of acids or bases.
- R7** Recovery of components used for pollution abatement.
- R8** Recovery of components from catalysts.
- R9** Used oil re-refining or other reuses of previously used oil.
- R10** Land treatment resulting in benefit to agriculture or ecological improvement
- R11** Uses of residual materials obtained from any of the operations numbered R 1 to R 10

**For Tinna Rubber And Infrastructure Ltd**

**Authorised Signatory**

**B.P.GOGIA**  
**General Manager Finance**

**Date:12.11.2019**  
**Place: New Delhi**

**For Tinna Rubber And Infrastructure Ltd.**

  
Authorised Signatory

## **Annexure – A**

Facility to Handle Imported Hazardous waste(Scrap Tyres) and waste/material generated from use of such imported hazardous waste:  
Tinna Rubber & Infrastructure Limited (TRIL) has imported latest machinery from USA and China to make Crumb Rubber Powder from the Scrap Tyre.

### **Process to manufacture Crumb Rubber Modifier**

Step I: Used tyres are cut to separate the bead wire.

Step II: The cut tyres are mechanically (with the help of conveyor) put into the shredder and cut into small pieces (Blocks)

Step III: The cut tyre blocks are put into crackers/grinder which are grinded into small particle size as required.

Step IV: With the help of mechanical system/ magnetic conveyor/fiber separator impurities are removed.

Step V: There in a mixing machine 90% tyre crumb & 10% hydrocarbon is mixed & the blend obtained is bitumen modifier to be used by different infrastructure companies and public sector companies lay roads & highways.

**Pollution:** It is a simple grinding & mixing process, where there is no chemical/Boiler or water treatment/reaction required. Company has also installed dust collector etc. as required.

For Tinna Rubber And Infrastructure Ltd.

  
Authorised Signatory



**Entitlement of tyre Scrap to be imported for manufacturing of Crumb Rubber, Fine Crumb Rubber, Crumb Rubber Modifier & Reclaim Rubber.**

**1 CRUMB RUBBER & FINE CRUMB RUBBER**

- A. Capacity as per Consent to Operate – Crumb Rubber & Fine Crumb Rubber - Mt. 2,150/-Mt. per month & 25,800/-Mt. on per annum.
- B. We always crush radial old & used tyres in which approx. 30% steel & fiber content is while processing tyre scrap to manufacture crumb rubber powder. Copy of IRMRA justification letter is attached for your ready reference. Therefore our capacity is comes 37,000 Mt. per annum
- C. As per MOEF Guideline 30% of total capacity is allowed therefore our entitlement will be  $37,000 \times 30\% = 11,100$  Mt.
- D- Thus our total entitlement on this account will be 11,150 Mt.

**2 CRUMB RUBBER MODIFIER.**

- A. Capacity as per Consent to Operate – Crumb Rubber Modifier- 1200 Mt. per month & 14,400/-Mt. per Annum.
- B. As per process chart in CRM 90% Crumb Rubber powder and 10% other additives are used. Thus Crumb Rubber Powder entitlement will be  $14,400 \times 90\% = 12,960$  Mt
- C. B- As per MOEF Guideline 30% of total capacity is allowed therefore our entitlement will be  $12,960 \times 30\% = 3,888$  Mt.
- D- Thus our total entitlement on this account will be 3,880 Mt.

**3 Reclaim Rubber**

- A. Capacity as per Consent to Operate – Reclaim Rubber - 1000 Mt. per month & 12,000/-Mt. per Annum.

For Tinna Rubber & Infrastructure Ltd.

  
Authorised Signatory



- B. As per process chart in Reclaim Rubber 80% Crumb Rubber powder and 20% other additives are used. Thus Crumb Rubber Powder entitlement will be  $12,000 \times 80\% = 9,600$  Mt.
- C. As per MOEF Guideline 30% of total capacity is allowed therefore our entitlement will be  $9,600 \times 30\% = 2,880$  Mt.
- D. Thus our total entitlement on this account will be **2,880 Mt.**
4. Total entitlement as per Crumb Rubber Powder, Fine Crumb Rubber, Crumb Rubber Modifier & Reclaim Rubber comes 17,918 Mt. (11,150+3,888+2,880) OR round off 18,000/- Mt. PA.

For Tinna Rubber & Infrastructure Ltd.

  
Authorised Signatory



Certificate No. T1163/T1164

# भारतीय रबर निर्माता अनुसंधान संघ (आईआरएमआरए)

(भारत सरकार के वाणिज्य और उद्योग मंत्रालय से संबद्ध (एनपीएल (आईएसओ-17025:2005 प्रमाणित प्रयोगशाला)

क्षेत्र क्र. 254/1 बी, सड़क क्र. 18 सी, वागले इंडस्ट्रियल ईस्टेट, ठाणे (पश्चिम)-400 604

दूरध्वनि क्र. 022/2581 1348, 2580 3753, 2583 4650/51/52, 6787 3200, 6787 3221/22/27/39/42/44-48 (5 लाइन)

टेलीफैक्स : 0222582 3910 ई-मेल : [info@irmra.org](mailto:info@irmra.org) वेबसाइट : [www.irmra.org](http://www.irmra.org)



## INDIAN RUBBER MANUFACTURERS RESEARCH ASSOCIATION (IRMRA)

Affiliated to Ministry of Commerce & Industry, Govt. of India (A NABL (ISO-17025-2005) Accredited Laboratory)

Plot No. 254/1B, Road No. 16V, Wagle Industrial Estate, Thane (W)-400 604

Ph. : 022-2581 1348, 2580 3753, 2583 4650/51/52, 6787 3200 6787 3221/22/27/39/42/44-48 (5 Lines)

Telefax : 022-2582 3910 E-mail : [info@irmra.org](mailto:info@irmra.org) Website : [www.irmra.org](http://www.irmra.org)

Date: 31.12.2018

IRMRA /SB/31122018/1

To,

Mr. Arun Kapoor ,  
Director Marketing (Rubber Div.)  
Tinna Rubber & Infrastructure Ltd.

Sub: Typical composition of all steel radial truck & bus tyre.

Dear Sir,

This is with respect to your email dated 31.12.2018 regarding the above mentioned subject, please find the typical composition of **10.00R20 all steel radial truck & bus tyre** as follows:

Typical weight: 65 Kg.

Composition:

- I. (Natural ,Synthetic) Rubber :45%
- II. Fillers : 24%
- III. Steel : 21%
- IV. Curatives ,Antioxidants,Antiozonants, others : 10%

This is for your information please.

Thanking you,

Yours Faithfully,

अधिकृत हस्ताक्षर  
Authorized Signatory

सचिन अरुण बारवे  
Sachin Arun Barve  
परिष्कृत वैज्ञानिक अधिकारी  
Senior Scientific Officer

मान्यताप्राप्त  
सिद्धि  
प्रमाणित  
मान्यताप्राप्त

: भारतीय मानक ब्यूरो ।  
: केंद्रीय सैन्य उद्गारण संस्थान द्वारा सिद्धि ।  
: महानिदेशालय, खानपुरा (बी पी एम एल) बलबाद द्वारा प्रमाणित ।  
: वैज्ञानिक और औद्योगिक अनुसंधान विभाग, विज्ञान एवं प्रौद्योगिकी मंत्रालय, नई दिल्ली ।

For Tinna Rubber & Infrastructure Ltd.

Authorised Signatory



**CR Flow Chart**  
**Tinna Rubber & Infrastructure Ltd**

SCRAP TYRE YARD



Tyre Ring

Tyre Ring Separated From Tyre



Strip Cutting of Tyre Pieces

(A Long pieces of 50 mm wide strip)



Bead/Ring steel separately  
from Ring part by Bead  
Separator Rubber sent to  
Shredder

Tyre Shredding Machine irregular  
pieces of small Tyre pieces cut into  
small pieces Mechanically by  
Shredding Machine 50 mm x 50  
mm

Strip Reclaimed from Strip Cutter  
is fed to Block Cutting Machine  
For the Size of 50 mm x 50 mm



Breaker/Crusher Machine –  
shredded/block pieces fed to this  
machine for Crushing

Dust Collector System

This system is for the  
collection of Dust Reduce  
during process of crumbing



**Magnetic Separate**

Steel particle & Rubber particle Separated  
By Magnet, Steel Scrap Received/Packed  
For dispatch

Sieving: Through the Sieve  
powder is segregated into  
different sizes & packed as  
final product



**Final product: Crumb Rubber Powder to used for Road construction  
after blending with bitumen, manufacturing of Ultrafine  
Compounded Rubber/Reclaim Rubber and manufacturing of other  
Rubber Goods**

For Tinna Rubber & Infrastructure Ltd.

Authorised Signatory