

Warehouse Receipt Financing using Blockchain



Government of
Maharashtra

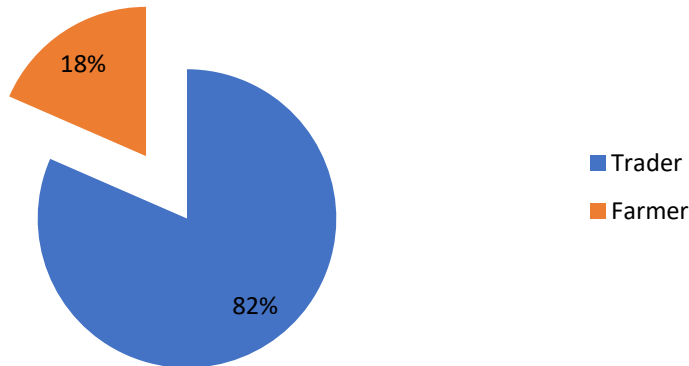
Maharashtra State Warehousing Corporation

- Widest Warehousing Network in India:-
 - 200 centers
 - 1400+ Warehouses
- Owned + Leased Warehouses – 1400
- Total Capacity 21 Lac MT

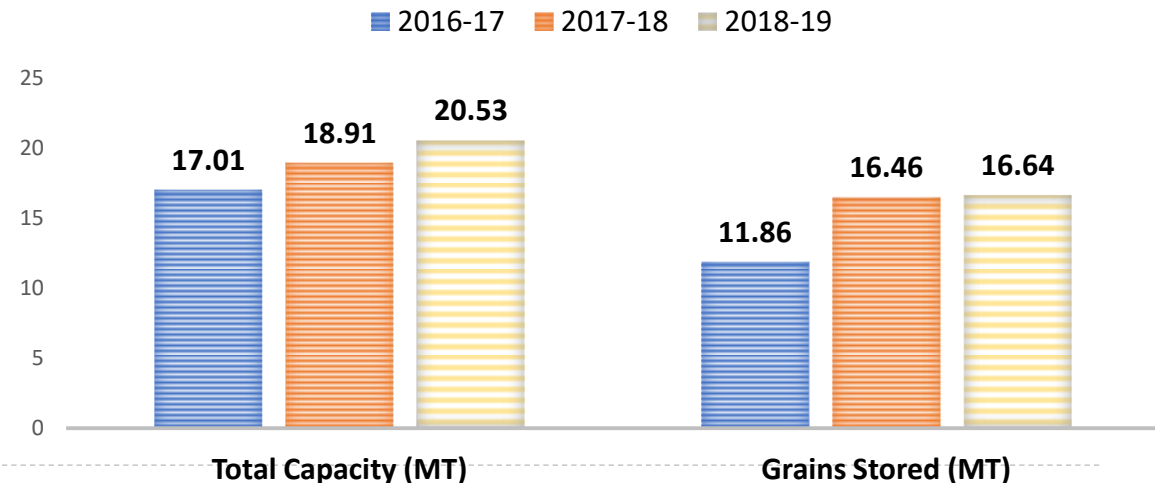
Before introduction of Blockchain based Warehouse Receipt Finance:

- Warehouse Receipt Finance in last 3 Years – Rs. 867.57 Cr.
- 82% of BC-WRF Finance is to Traders and 18% to Smallholder Farmers

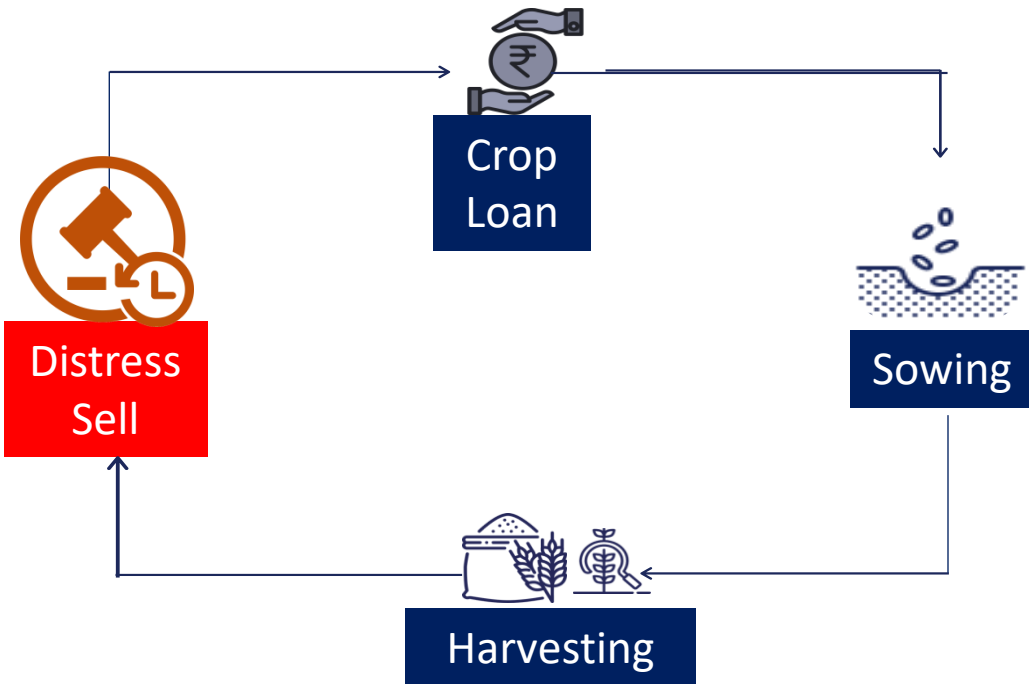
2016 - 2019



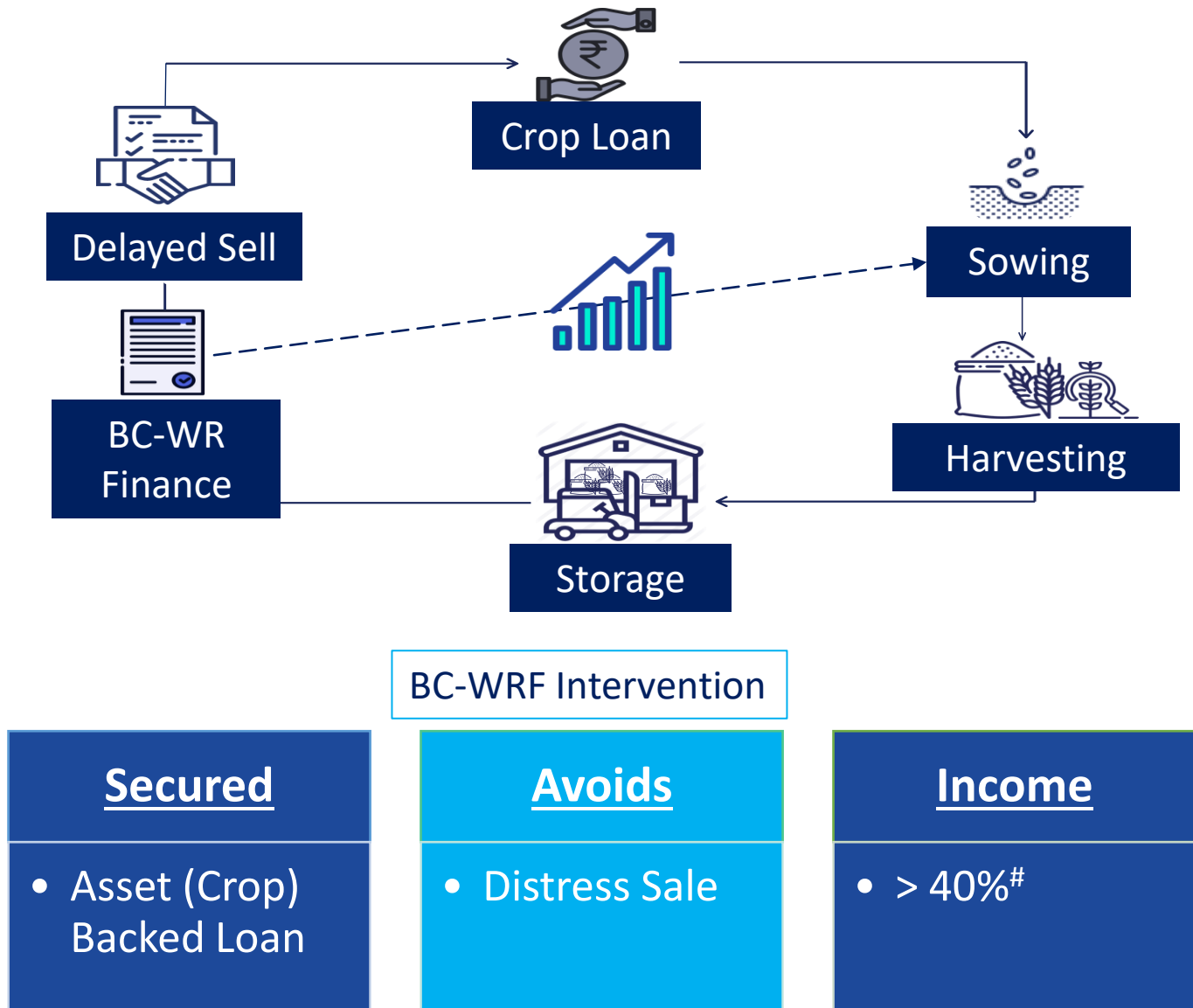
MSWC-CAPACITY



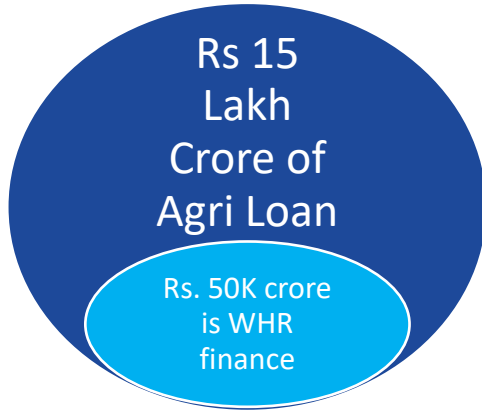
Post Harvest – the need for Warehouse Receipt Finance



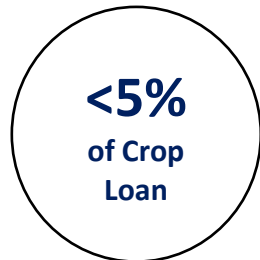
Typical Sowing-Harvesting-Sales Cycle



Broken components in Warehouse Receipts Finance Market



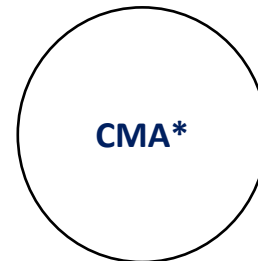
MANUAL ECOSYSTEM



10X potential



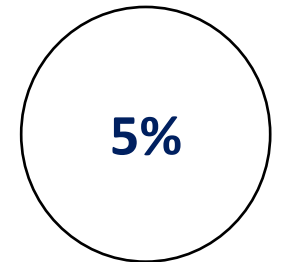
HIGH INTERMEDIARY COST



Repository



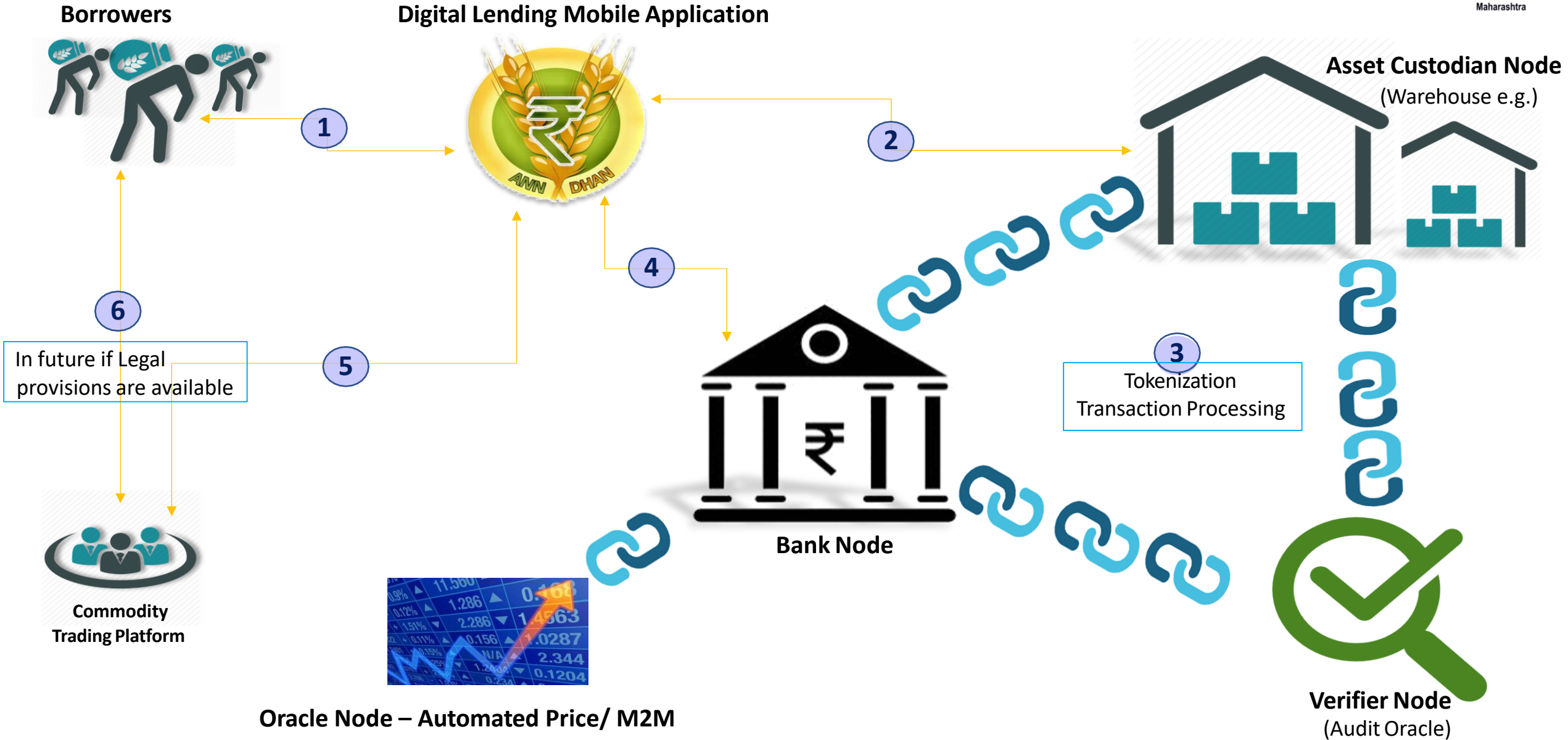
LOW GRASSROOT IMPACT



95% to Traders

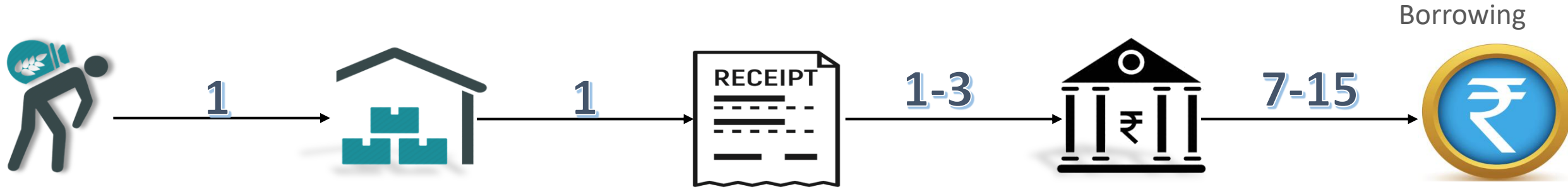
* Collateral Management Agency

Integrated Digital Lending via Blockchain based Warehouse Receipts Finance

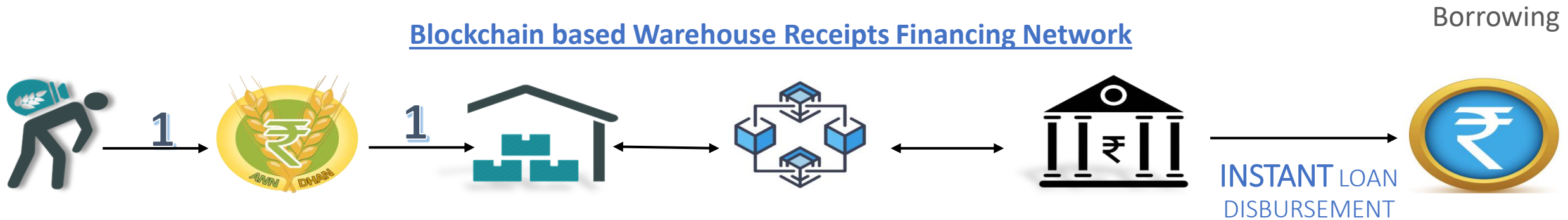


The Process

Existing Manual System (Turn around Time in Days)



Blockchain based Warehouse Receipts Financing Network



Benefits

Farmers



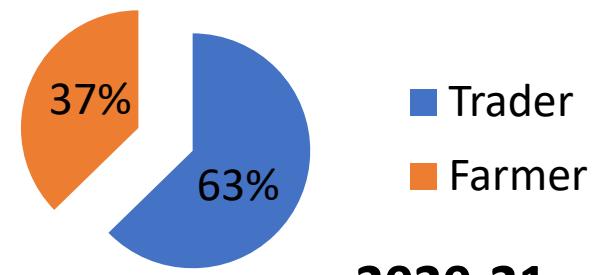
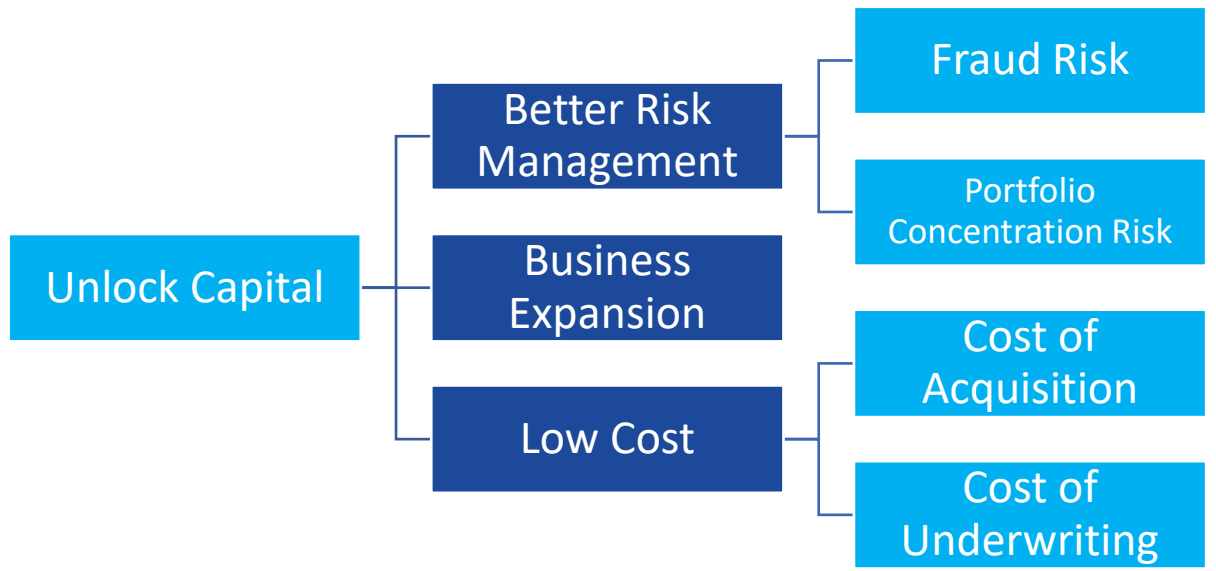
Government



- Warehouse Storage Data
- Food Security Program
- Reduced Intermediation



Lenders



2020-21

- (21/Jan – 27/Apr)
No of centres- 5
Warehouses – 16
Category - Farmers

Pilot 1

- (28 May – 31/Aug)
No of Centres – 7
Warehouses – 22
Category - Farmers

Pilot 2 (With MSC Bank)

- (23/10-Till Date)
No of centres – 193
Warehouses – 1400+
Category – Farmers

Full Fledged Access

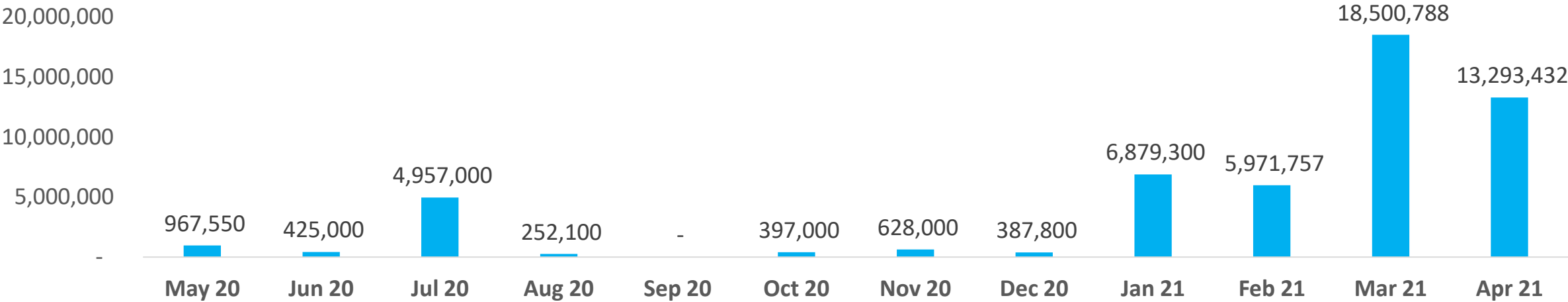
Total Loans to Farmers – Rs. 20 Cr.
No. of Borrowers - 928



Few more details













Appendix

MoM Loans












Commodity	Approved Loan Amount (Rs.)	%
Gram	16,000,363	32%
Red Gram	14,895,622	30%
Paddy	12,125,200	24%
Turmeric	4,082,177	8%
Soybean	2,510,200	5%
Oil Seed Cake	300,000	1%
Maize	213,310	0.4%
Jowar	130,000	0.3%
Wheat	64,700	0.1%
Coriander	56,700	0.1%
Grand Total	(Rs.) 50,378,272	100%

Blocckchain's Superior Approach













	Whrri	WDRA	Existing manual System
eNWR			
Digital Lending			
Online Marketplace			
Online Lot Booking			

Digital Delivery of Services

	Whrri	WDRA	Existing manual System
Collateral Monitoring			
Receipt/Lending Fraud Risk Control			
Collateral Fraud Risk Control			

Security & Fraud Risk Control

Accreditation/Systems

	Whrri	WDRA	Existing manual System
Accreditation Requirement			
Deposit/Net Worth			
Accreditation Rules			
Intermediary System			



B2B2C Blockchain
Fintech Startup



Global First Blockchain platform
for Agri Financing



Asia's First & Only Blockchain
platform for Asset Backed Lending

1



Digital BC-WRF Blockchain Platform

- Blockchain powered electronic BC-WRF platform of warehouses & banks.
- Eliminates/Reduces risk of
 - Fake/Duplicate Receipts
 - Multiple Lending
 - Lending beyond warehouse capacity



Digital Lending App

- Near Real Time Digital Loan against wide range of commodities.
- Farmers have option to apply for loan using Mobile App, PC, Warehouse Terminal

2



E-Trading Platform

- Tradeable Receipts
- Market Linkage at Warehouse
- Loan Transfer from Seller to Buyer on sale of commodities

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