

10. Title of the Technology Process of Extraction of Sodium Lignosulphonate from Coir Pith			
Type (Green/Import Substitution/etc)	Low cost Import Substitute		
IP status (IP Protected/Non Infringing/freedom to practice)	Patent Filed. Indian Patent No. 201841020488 dtd 31/05/2018		
TRL Status	5-8 (Material production completed in lab scale method and proven through successful analysis of material characterization.)		
Plant/Equipment/Space requirement for manufacturing	Digester-1 Distillation unit-1 Drying unit-1 Land requirement-2000 -3000 Sq Ft		
		Capacity	Cost in lakhs (INR)
CapEx	Sodium lignosulphonate	50 Kg/ day	125.5
OpEx		Capacity	Cost (INR)
	Sodium lignosulphonate	50Kg/day	4500.00
Market size and	Small capacity: 18000Kg/annum Large capacity: Depends on the investment		
Return of investment time (Please indicate in numbers)	ROI : 2-3 year (Small capacity) and 2-4 years (Large Capacity)		
Availability of raw material	All the raw materials are easily available at reasonable cost		
Product/Equipment Certification status (Regulatory Body/User agency)	Material Characterization were tested according to the standards		
Unique Selling Point	<ul style="list-style-type: none"> • Sodium lignosulphonate from Coir pith is an import substitute • Lignosulfonates have a wide range of uses, • In Construction –As plasticizers in concrete admixtures • Additives in oil well drilling, • Animal feedbinders • Surfactants, • stabilizers in colloidal suspensions • Sodium Lignosulphonate from coir pith could be a cost effective import substitute and value addition to coir pith. 		
Transfer of Technology charges of the Lab for a) Micro b) Small c) Medium Scale company	Micro: Upfront fee of Rs 2 lakhs + Royalty of Rs 2.5% on installation Small: Upfront fee of Rs 3 lakhs + Royalty of Rs 2.5% on installation Medium: Upfront fee of Rs 5 lakhs + Royalty of Rs 2.5% on installation		
Date for demonstration of technology	01.03.2020-01.03.2021 (Lab scale production)		

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