		in / Eco menary	Products (Inks and Adhesives) Cred	it point	s distributio	ni rabie	
		<u> </u>	ADHESIVES  1.0 Product Design Total Points = 5				INKS
		Eco- vision statement Strategies adopted, resource allocation, stake holders, engagement, implemented measures & impacts		Eco vision statement  Strategies adopted: environment improvement measures/ green measures implemented			
General	Credit 1.1-						
			age of the product uring stage of the product		n stage of prod facturing stage		
				ISO 14001 certified manufacturing unit			
		Volatile organic con	2.0 Product Performance Total Points = 2 npound	Recyclai	oility/ de-inking		
	Credit 2.1-	- 5% reduction over baseline vale		Demonstrate de-inking by repulp-ability test/ INGEDE Method in a NABL accrediated third party laboratory			
Product testing for minimum performance as per ASTM 6886 standards		- 10% reduction over baseline vale		Fiber yield shall be from			
		- 15% reduction over baseline vale - Over 20% reduction over baseline vale		pre consumer waste: 90% post consumer waste: 80%			
	Credit 2.2-	Flammability  concentrate/ Ready to use: flash point of the product tested as per IS Standard IS 1448 (P:59) should not be less than 65.5 degree C (150 degree F)		Chemical Emissions			
				carry out chemical emission test as per ASTM D2369: Standard test m ethod for volatile components of coatings			
				S. No.	Substance	Monochrome	Emission rate (mg/h) Colour
				1	TVOC	10	18
				3	Benzene Styrene	<0.05	<0.05 1.8
			3.0 Raw Materials Total Points = 35		Otyrono	<u> </u>	
Eliminate exposure to prohibited substances that can lead to long term health effects either through respiration / direct contact	Parameter (unit of	limit value Remark with respect to parameter give in US		Eliminati	ion of prohibite	d Solvents	
	measurement) Arsenic (mg/l)	0.2	and EU documents Toxicity	Aromatic	Hydrocarbons	3	
	Mercury (mg/l) Lead (mg/l)	0.01 0.1	Heavy metals Heavy metals	Sum of concentration of aromatic hydrocarbons shall be less than <1% by weight. Test the			
	Cadmium (mg/l)	2	Heavy metals	concentration of aromatic hydrocarbons as per ASTM D1319 std. method for hydrocarbon is liquid petroleum products by fluoresent indicator adsorption or ISO 3837: Liquid petroleum			
	Chromium (mg/l)	2	Heavy metals	products- determination of hydrocarbons - fluoresent indicator adsorption.			
					ated Hydrocarb		one such as ablarefluoreearbon (UCE) during
				Eliminate use of halogenated hydrocarbons such as chlorofluorocarbon (HCF) during manufacturing process.			
Encourage the use of industrial waste in the manufacturing	Credit 3.2	Recycled Content Recycled Content of 20%		Heavy Metals and Phthalates			
		Recycled Content of 20%  Recycled Content > 20% ≤25%		Sum of concentration of heavy metals shallnot exceed 500ppm  a) ISO 3856: Determination of soluble metals content by flame atomic absorption			
		Recycled Content >	• 25% ≤30%	Concent			cceed 1000ppm
		Recycled Content >30% ≤35%		Concentration of phthalates shall not exceed 1000ppm a) DEHP, DBP, DINP, DIDP and DnOP b) ISO 14389:2014 specifies a method of determining phthalates with gas chromatography-			
process to avoid dumping of waste in landfills, thereby		Recycled Content >	-35%		ectrometry	illes a illetilou o	determining printalates with gas thromatography-
reducing environmental impacts	Credit 3.2	Regional Material Regional Material content > 40% ≤50% Regional Material content > 50% ≤60% Regional Material content > 60% ≤70%					
		Regional Material content > 70% ≤80%					
		Regional Material co	4.0 Manufacturing Process Total Points =				
			improvement in last 3 years)		efficiency detailed energy	v audit at regula	r interval (once in 3 years) and implement energy
Enhance energy efficiency in the	Credits 4.1	Reduction in specific water consumption (improvement in the last 3 years)		conservation measures			
manufacturing process of the product, to reduce		Reduction in specifi Reduction in specifi	ic energy consumption ≥5% ic energy consumption ≥10%	Reduction	Energy Consur on in specific er	nption (SEC) nergy consumpt	ion ≥5%
environmental impacts		Reduction in specific energy consumption ≥15%		Reduction in specific energy consumption ≥10%			
				Reduction in specific energy consumption ≥15%  Reduction in specific energy consumption ≥20%			
		Water efficiency Water efficiency					
			ic water consumption (improvement in the last	Conduct	detailed energy		r interval (once in 3 years) and implemented energy
	Credits 4.2	3 years) Reduction in specifi	ic water consumption ≥5%	Conduct conserva Specific	detailed energy ation measures Energy Consur	nption (SEC)	
	Credits 4.2	3 years) Reduction in specifi Reduction in specifi Rain water harvesti		Conduct conserve Specific Reduction Reduction	detailed energ ation measures Energy Consur on in specific er on in specific er	mption (SEC) nergy consumpt nergy consumpt	ion ≥5% ion ≥10%
		3 years) Reduction in specifi Reduction in specifi	ic water consumption ≥5% ic water consumption ≥10%	Conduct conserva Specific Reduction Reduction Reduction Reduction	detailed energe ation measures Energy Consure on in specific er on in specific er on in specific er on in specific er	mption (SEC) nergy consumpt	ion ≥5% on ≥10% ion ≥15%
Encourage the use of on-site & off site renewable energy	Credits 4.2  Renewable Energy  Manufacturing Process	3 years) Reduction in specifi Reduction in specifi Rain water harvesti non- roof areas	ic water consumption ≥5% ic water consumption ≥10%	Conducticonserva Specific Reductic Reductic Reductic Reductic Renewal Onsite a	detailed energy ation measures Energy Consur on in specific er on in specific er on in specific er on in specific er oble Energy and off site rener	mption (SEC) nergy consumpt nergy consumpt nergy consumpt nergy consumpt wable energy ge	on ≥5% on ≥10% on ≥15% on ≥20%
off site renewable energy sources to reduce the	Renewable Energy Manufacturing Process	3 years) Reduction in specifi Reduction in specifi Rain water harvesti non- roof areas Renewable Energy	ic water consumption ≥5% ic water consumption ≥10% ing- harvest 95% rainwater run-off from roof &	Conduction Specific Reduction Reduction Reduction Reduction Reduction Reduction Renewal Onsite at ≥ 5% of the second sec	detailed energy ation measures Energy Consur on in specific er on in specific er on in specific er on in specific er oble Energy and off site rene total energy con	mption (SEC) nergy consumpt nergy consumpt nergy consumpt nergy consumpt wable energy ge nsumption	on ≥5% on ≥10% on ≥15% on ≥20%
off site renewable energy sources to reduce the dependence on fossil fuels and their associated environmental	Renewable Energy	3 years) Reduction in specifi Reduction in specifi Rain water harvesti non- roof areas  Renewable Energy On site renewable e ≥2.5% ≤5% substitt	ic water consumption ≥5% ic water consumption ≥15% ic water consumption ≥10% ing. harvest 95% rainwater run-off from roof &	Conduct conservi Specific Reductic Reductic Reductic Reductic Renewal Onsite a ≥ 5% of t ≥ 10% of	detailed energy ation measures Energy Consur on in specific er on in specific er on in specific er on in specific er oble Energy and off site renerotal energy con total energy con total energy con	mption (SEC) nergy consumpt nergy consumpt nergy consumpt nergy consumpt mergy consumption mergy consumption mergy consumption mergy consumption mergy consumption	on ≥5% on ≥10% on ≥15% on ≥20%
off site renewable energy sources to reduce the dependence on fossil fuels and	Renewable Energy Manufacturing Process	3 years) Reduction in specifi Reduction in specifi Rain water harvesti non- roof areas  Renewable Energy On site renewable e ≥2.5% ≤5% substitt >5% substitution	ic water consumption ≥5% ic water consumption ≥16% ing- harvest 95% rainwater run-off from roof &  energy generation (both electrical and thermal) ution  5.0 Waste Management Total Points =	Conduct conserver Specific Reduction Reduction Reduction Reduction Reduction Reduction Remains 2 5% of 1 ≥ 10% of 1 ≥ 15% of 1 ≥ 20% of 1 ≥ 20	detailed energy ation measures Energy Consur on in specific er on doff site rener total energy co	mption (SEC) nergy consumpt nergy consumpt nergy consumpt nergy consumpt mergy consumption mergy consumption mergy consumption mergy consumption mergy consumption	on ≥5% on ≥10% on ≥15% on ≥20%
off site renewable energy sources to reduce the dependence on fossil fuels and their associated environmental	Renewable Energy Manufacturing Process	3 years) Reduction in specifi Reduction in specifi Rain water harvesti non- roof areas  Renewable Energy On site renewable e ≥2.5% ≤5% substitt	ic water consumption ≥5% ic water consumption ≥10% ing. harvest 95% rainwater run-off from roof & energy generation (both electrical and thermal) attorned to the second	Conducticonserval Specific Reductic Reductic Reductic Reductic Renewal Onsite a ≥ 5% of 1 ≥ 10% of 2 ≥ 20% of 5	detailed energy ation measures Energy Consur on in specific er on	mption (SEC) nergy consumpt nergy consumpt nergy consumpt nergy consumpt nergy consumpt wable energy ge nsumption onsumption onsumption onsumption	on ≥5% on ≥10% on ≥15% on ≥20%
off site renewable energy sources to reduce the dependence on fossil fuels and their associated environmental impacts.  To ensure that the solid, liquid &	Renewable Energy Manufacturing Process	3 years) Reduction in specifi Reduction in specifi Reduction in specifi Rain water harvest inon-roof areas  Renewable Energy On site renewable e 2.2.5% 55% substitt >5% substitution  Waste utilization an Non hazardous was 10% reduction in dit	ic water consumption ≥5% ic water consumption ≥10% ing- harvest 95% rainwater run-off from roof &  energy generation (both electrical and thermal) ution  5.0 Waste Management Total Points = 1 d disposal te	Conducticonservices Specific Reductic Reductic Reductic Reductic Renewal Onsite a ≥ 5% of 1 ≥ 10% of ≥ 20% of 5	detailed energy ation measures Energy Consur on in specific er other in specific total energy co total energy co total energy co total energy co	mption (SEC) nergy consumpt nergy consumpt nergy consumpt nergy consumpt nergy consumpt nergy consumpt nergy consumption nonsumption nonsumption nonsumption nonsumption nonsumption	on ≥5%  on ≥10% on ≥10% on ≥15% on ≥20% on ≥20% meration  egulations related to waste management
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off site renewable energy sources to reduce the dependence on fossil fuels and their associated environmental impacts.  To ensure that the solid, liquid & gaseous wastes discharged	Renewable Energy Manufacturing Process Credits 4.3	3 years) Reduction in specifi Reduction in specifi Reduction in specifi Rain water harvesti non- roof areas Renewable Energy On site renewable energy On site renewable expery 22.5% s9% substitut >5% substitution Waste utilization an Non hazardous was 10% reduction in dit hazardous waste 55% reduction in dit hazardous waste 55% reduction in waste	ic water consumption ≥5%. Ic water consumption ≥16%. Ing-harvest 95% rainwater run-off from roof &  anergy generation (both electrical and thermal) ution  5.0 Waste Management Total Points = 1 did lisposal site sposal of waste per unit of production sposal of waste per unit of production aste going to landfill	Conduct conserv. Specific Reductic Reductic Reductic Renewal Onsite a ≥ 5% of 1 ≥ 10% of ≥ 15% of ≥ 20% of  Complia Non haz. ≥10% ret hazardoo. ≥5% red	detailed energition measures Energy Consur in specific er in	nption (SEC) nergy consumpt nonsumption nonsumpt	on ≥5% on ≥10% on ≥10% on ≥15% on ≥20%  neration  egulations related to waste management r unit of production  unit of production
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