A MODEL SCHEME ON Manufacturing of Reprocessed Plastic Granules

1 Introduction :Keeping the point of Waste management the scheme on reprocessed plastic granules has been designed. Obviously the cost of reprocessed granules will be much less than the virgin plastic reprocessed granules which can be used for the manufacture of containers for petroleum products, foot wear, garbage bag, ropes and other moulded goods reprocessed commodity plastic are used as raw materials in the plastic processing industries except for manufacturing of food containers & packages.

2 Brief description of manufacturing

The main process steps are –

a) Plastic waste/scraps are first segregated according to grade and quality

b)Then cleaned and washed, dried up

c) The cleaned waste is fed into extruder where it gets melted, comes out from the die as strands

d) The strands are fed into a cutter and collected as granules.

3 Scope of Project: Due to increasing decorative and fashion conciousness amongst urban and rural people it's scope for growth is expected to be steady

4 Location: Any place with good connectivity either in road or in railways or both is suitable for this project.

5 Project Cost: ₹ 2,94,000.00

6 Means of finance

a) Own contribution	Rs.	114000.00
b) Govt. Subsidy	Rs.	25000.00
c) Bank Loan	Rs.	155000.00

7 Total Power requirement (HP/ KWH): HP

8 Project Analysis

A Fixed Capital/ Capital Expenditure

i Work Shed/ Building : Own Rented

ii Area of work shed : 600 (in sq. Mt)

iii Machinery & Equipments :

Sl No	Name of machinery/Equipment	Rate	Quantity	Amount
a	Reprocessing extrusion plant	₹ 1,50,000.00	1	₹ 1,50,000.00
b	Scrap grinder	₹ 20,000.00	1	₹ 20,000.00
c	Dry colour mixer	₹ 10,000.00	1	₹ 10,000.00
d	Small Tools & Equipments	L.S.		₹ 5,000.00
	Sub Total			₹ 1,85,000.00

Furniture & Other Cost

iv

Sl No	Detail of Furniture/Expenses	Amount
c	Electrification& Security Deposit	₹ 25,000.00
d	Furniture & Fittings	₹ 4,000.00
e	Pre-operative expenses	₹ 2,000.00
	Sub Total	₹ 31,000.00

v **Total Fixed Capital/ Capital Expenditure (iii + iv)** = ₹ 2,16,000.00

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B **Recurring Cost (Per Month)**

i **Raw Material**

Sl No	Name of the raw material	Rate	Quantity	Amount
a	LLDPE/ LDPE/HDPE/PP Scrap	22 / Kg	2500 kgs	₹ 55,000.00
b	Miscellaneous Chemical/ Colourants	L.S.		₹ 5,000.00
	Sub Total			₹ 60,000.00

ii **Salary & Wages**

Sl No	Employment	Rate	No	Amount
a	Manager cum superviser	₹ 0.00	1	₹ 0.00
b	Skilled worker	₹ 2,500.00	2	₹ 5,000.00
c	Unskilled worker	₹ 1,500.00	4	₹ 6,000.00
	Sub Total			₹ 11,000.00

iii **Other Expenses**

Sl No	Detail of Expenses	Amount
a	Electricity	₹ 4,000.00
c	Rent (if any)	₹ 0.00
b	Stationery	₹ 500.00
c	Tax & Insurance	₹ 500.00
d	Transportation	₹ 1,000.00
e	Misc	₹ 1,000.00
	Sub Total	₹ 7,000.00

iv **Working Capital Requirement (i+ ii+ iii)** = ₹ 78,000.00

4 **Total Project Cost**

a	Fixed Capital	₹ 2,16,000.00
b	Working Capital	₹ 78,000.00
c	**Total**	₹ 2,94,000.00

5 Cost Analysis per annum

Expenditure			Income	
i	Recurring Cost	₹ 9,36,000.00	1. Projected Sale	
ii	Depreciation	₹ 27,750.00	By sale of Reprocessed Plactic Granules-	₹ 14,40,000.00
iii	Surplus/Profit	₹ 4,76,250.00		
		₹ 14,40,000.00		₹ 14,40,000.00

Signature of the applicant

Rates and quantities shown may vary as per location and demand of bussiness enterprise.

Prepared by the Directorate of Micro, Small and Medium Enterprises, West Bengal.

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