Appendix B

The collage and small scale industrial units which might be developed in the Haldia region include industries of the following categories.

(i) **Primary or assistance category**: Those needed in the course of development of Haldia Complex. They may be industries connected with house-building and construction work. The details are given below.

**Assistance category**

1. Brick and tile making;
2. Furniture and Joinery Unit including Automobile and Cycle;
3. Timber Saw Mill;
4. Mechanical including Automobile and Cycle Repairing;
5. Coir and Coir Product
6. Building Hardware;
7. Powerlooms;
8. Utensil Manufacture;
9. Paints and Varnish

(ii) **Secondary or ancillary category**: Those of complementary or supplementary nature to the industrial complex. They refer to

(a) **Ancillary for Refinery**

1. General Mechanical Workshop for spare parts of pumps and compressors;
2. Foundry for cast iron man-hole and gratings;
3. Drums and closures;
4. Pipe-fittings, bends fittings.
(b) Ancillary to Fertilizer Plant

1. Hand-gloves;
2. Laminated jute bags;
3. Valves;
4. Ammunitions boots.

(c) General Ancillaries

1. Ferrous foundry;
2. Non-ferrous foundry;
3. Industrial fasteners;
4. Tool-rooms and heat treatment;
5. Activated fullers earth and dessicating agents;
6. Furfural;
7. M. E. K.

(iii) Tertiary and auxiliary category: Those utilizing the downstream products, by-products and industrial wastes of the organised sector of the complex. They include the following

Auxiliary Category

1. By-products of refinery, like coal-tar, wax etc;
2. By-products of petro-chemical complex and petroleum distillates;
3. Tar-products, dye-intermediaries, etc. Sulphuric acid can be utilised to manufacture storage batteries, dyes and detergents etc. Urea can be combined with formaldehyde to manufacture various plastic products and so on. Auxiliary category then is composed of
   (a) Purification of slack wax from Refinery by-products;
   (b) Transformer oil from T.O.B. feedstock of refinery;
   (c) Lube oil blending;
   (d) Lime
(e) Ferric Sulphate;  
(f) Synthetic Detergent formulation;  
(g) Bitumen-based products.  

(iv) Quaternary or accessory category: Those rendering consumer services to the complex. This might consist of

1. Fish and marine products;  
2. Cococnut products;  
3. Bakery;  
4. Hotels and restaurants;  
5. Rice bran oil;  
6. Confectionary;  
7. Dry ice;  
8. Ice-cream-cum-cold storage;  
9. Laundry;  
10. Garments manufacture;  
11. Footwear;  
12. Tailoring and ready-made garments and dresses;  
13. Leather products;  
14. Broom sticks  
15. Agricultural implements;  
16. Transport service and repairs;  
17. Dairy, poultry and piggery.  

The list is only tentative and illustrative. More could be included or some could be deleted on techno-economic considerations.  

The processing of the petro-plastics to produce industrial agricultural inputs may be dispersed in small and medium-scale industries. They may utilise agricultural waste and produce industrial raw-materials.