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ANNEXURES

Annexure A: Classification of economic activities

The economic activities referred to in this study are defined below. The main categories of the Standard Industrial Classification of all Economic Activities (SIC) are utilised for this purpose (CSS, 1993).

1. Agriculture

This sector includes the following:

- Agriculture, hunting and related services;
- Growing of crops, market gardening, horticulture;
- Farming of animals; and
- Production of organic fertiliser.

2. Mining (Mining and quarrying)

This sector includes the following:

- Mining of coal and lignite;
- Extraction of crude petroleum and natural gas, service activities incidental to oil and gas extraction, excluding surveying;
- Mining of metal ores, except gold and uranium;
- Other mining and quarrying;
- Stone quarrying, clay and sand-pits; and
- Service activities incidental to mining of minerals.

3. Manufacturing

This sector includes the manufacturing of the following:

- Food products, beverages and tobacco products;
- Textiles, clothing and leather goods;

- Wood and cork products (except furniture), straw and painting materials, paper and paper products, publishing, printing and reproduction of recorded media;
- Coke, refined petroleum and nuclear fuel products, chemicals and chemical products, rubber and plastic products;
- Other non-metallic mineral products;
- Basic metals, fabricated metal products, machinery and equipment, office/ accounting and computing machinery;
- Electrical machinery and apparatus, not elsewhere classified;
- Radio, television and communication equipment, medical, precision and optical instruments, watches and clocks;
- Transport equipment; and
- Furniture, recycling, manufacturing not elsewhere classified.

4. Electricity, gas and water

This sector includes the following:

- Electricity, gas, steam and hot water supply; and
- Collection, purification and distribution of water.

5. Construction

This sector includes the following:

- Site preparation;
- Building complete constructions or parts thereof, civil engineering; and
- Building installation.

6. Trade (wholesalers and retailers)

This sector includes the following:

- Wholesale and commission trade, except motor vehicles and motorcycles;
- Retail trade, except motor vehicles and motorcycles, repair of personal household goods; and

- Sales, maintenance and repair of motor vehicles/ motor cycles, retail trade in automotive fuel.

7. Transport

This sector includes the following:

- Land and via pipeline transport;
- Water;
- Air;
- Supporting and auxiliary activities, travel agencies; and
- Post and telecommunications.

8. Financing

This sector includes the following:

- Financial intermediation, except insurance and pension funding;
- Insurance and pension funding, except compulsory social security;
- Activities auxiliary to financial intermediation;
- Real estate activities;
- Rental of machinery and equipment, without operator, personal and household goods;
- Computer and related activities;
- Research and development; and
- Other business activities.

9. Services

This sector includes the following:

- Public administration and defence activities;
- Education;
- Health and social work;
- Other community, social and personal service activities;
- Membership organisations, not elsewhere classified; and
- Other service activities.

10. Tourism and entertainment

This sector includes the following:

- Hotels and restaurants;
- Recreational, cultural and sporting activities; and
- Parks and other organisations not included elsewhere.

Annexure B: Industry Questionnaire

PROPOSED VAAL LOGISTICAL HUB

- VAAL INTERNATIONAL (CARGO) AIRPORT
- VAAL INDUSTRIAL DEVELOPMENT ZONE
- VAAL INLAND HARBOUR/CONTAINER DEPOT

A GENERAL INFORMATION

1	Name of business	
	Physical address	
	Contact person	
	Telephone number	
	Fax number	
	E-mail address	
2	Type of business	
3	Size of business	
	Number of workers	
	Value of turnover pa.	

B DISTRIBUTION/PROCUREMENT INFORMATION

1 To which areas does your business sell/distribute its products?

RSA*		*Please indicate for RSA	
North America		Vaal	
South America		Cape Town	
Africa		Durban	
Europe		P.E	
Far East		East London	
Middle East		Joburg / Pretoria	
Asia		Other (specify)	
Australasia			
Percentage Add to:	100%	Percentage Add to:	100%

2 From where does your business procure products?

RSA*		*Please indicate for RSA	
North America		Vaal	
South America		Cape Town	
Africa		Durban	
Europe		P.E	
Far East		East London	
Middle East		Joburg / Pretoria	
Asia		Other (specify)	
Australasia			
Percentage Add to:	100%	Percentage Add to:	100%

- 3 Please indicate the mode of transport for procurement, with reference to volume.

Container		Other (specify)	
Road %		Road %	
Rail %		Rail %	
Air %		Air %	
Percentage Add to:	100%	Percentage Add to:	100%

- 4 Please indicate the mode of transport for distribution, with reference to volume.

Container		Other (specify)	
Road %		Road %	
Rail %		Rail %	
Air %		Air %	
Percentage Add to:	100%	Percentage Add to:	100%

AIR TRANSPORT

- 5 If air transport is used, who delivers/picks up the container(s)/goods at the airport?

Your business		Contractor		Freight forwarder	
---------------	--	------------	--	-------------------	--

- 6 Where?

JHB		Rand Airport		Lanseria	
Other (specify)					

- 7 How many times per month does your business/the freight forwarder pick up/deliver goods at the airport?

- 8 If a contractor/freight forwarder is used, at what annual cost for deliveries?

- 9 Please indicate the type of truck(s) used to pick up/deliver to the airport.

Petrol (cc)	Diesel (cc)				

- 10 Please indicate the average salary (R per month) of the driver/co-driver that drives the truck.

- 11 If your business delivers/picks up the goods from an airport, please indicate the average time spent per trip.

- 12 Do you experience any delays at airport(s)?

JHB		Rand Airport		Lanseria	
Other (specify)					

- 13 Please indicate the longest delay you have experienced (hours/days).

If possible, please indicate the reasons for the delays.

- 14 What is the additional annual inventory cost you have to bear because of delays?

ROAD CONTAINER TRANSPORT

- 15 If road transport is used, who delivers/picks up the containers at the airport/harbour?

Your business	
Contractor	
Freight forwarder	
Supplier	
Percentage Add to:	100%

- 16 Where?

Supplier	
City Deep	
Station	
Harbour	
Airport	
Other (specify)	
Percentage Add to:	100%

- 17 How many times per month does your business/the freight forwarder pick up/deliver containers?

Supplier	
City Deep	
Station	
Harbour	
Airport	
Other (specify)	

- 18 If a contractor/freight forwarder is used, at what annual cost for deliveries?

- 19 Please indicate the type of truck(s) used to pick up/deliver containers.

Petrol (cc)	Diesel (cc)

- 20 Please indicate the average salary (R per month) of the driver/co-driver that drives the truck.

- 21 If your business delivers/picks up the containers, please indicate the average time spent per trip.

- 22 Do you experience any delays? Indicate average delay per consignment (hours/days).

Supplier	
City Deep	
Station	
Harbour	
Airport	
Other (specify)	

- 23 Please indicate the longest delay you have experienced (hours/days).

If possible, please indicate the reasons for the delays.

- 24 What is the additional annual inventory cost you have to bear because of delays?

RAIL CONTAINER TRANSPORT

- 25 If rail transport is used, who delivers/picks up the containers?

Your business	
Contractor	
Freight forwarder	
Supplier	
Percentage Add to:	100%

- 26 Where?

Your premises	
Station	
Other (specify)	
Percentage Add to:	100%

- 27 Do you experience any delays? Indicate average delay per consignment (hours).

City Deep	
Station	
Other (specify)	

- 28 Please indicate the longest delay you have experienced (hours).

- 29 What is the additional annual inventory cost you have to bear because of delays?

- 30** Origin of purchases (for 2005) (This includes all raw materials, maintenance material, etc. procured from other parts of South Africa or imported internationally)

Product(s)	International Country	RSA city (local products)	Port (Customs Clearance)	Volume (tons)	Volume (m ³)	Value (R)	Transport 1 Road; 2 Rail; 3 Air;	Container (%)	Non-Container (%)

- 31** Destination of sales (for 2005) (This includes all the raw materials, semi-finished and final products distributed to other parts of South Africa or exported to international countries)

Product(s)	International Country	RSA city (local products)	Port (Customs Clearance)	Volume (tons)	Volume (m ³)	Value (R)	Transport 1 Road; 2 Rail; 3 Air;	Container (%)	Non-Container (%)

C STATEMENTS/OPINIONS

1 Vaal international (cargo) airport

Questions/statements related to the establishment of an international (cargo) airport in the Vaal Logistical Hub. Please indicate with a cross (X) on the following scale from 1-7, where 1 = Agree strongly and 7 = Disagree strongly)

		1	2	3	4	5	6	7
1.1	My business will make use of an international cargo airport in the Vaal.							
1.2	My business fully supports the establishment of an international cargo airport in the Vaal.							
1.3	An international cargo airport in the Vaal will solve the problem of delays for my business.							
1.4	An international cargo airport in the Vaal will enable my business to carry fewer inventories.							
1.5	An international cargo airport in the Vaal will enable my business to make use of international best practice (example just-in-time procurement).							
1.6	An international cargo airport in the Vaal will lead to cost reductions for my business.							
1.7	An international cargo airport in the Vaal will lead to higher business confidence in the area.							
1.8	An international cargo airport in the Vaal will create jobs in the Vaal.							
1.9	An international cargo airport in the Vaal will lead to a higher rate of industrial development in the area.							
1.10	My business will be exposed to more export opportunities with an international cargo airport in the Vaal.							
1.11	My business will be exposed to more imported products with an international cargo airport in the Vaal.							
1.12	My business will create more jobs as a result of an international cargo airport in the Vaal.							
1.13	My business will expand because of an international cargo airport in the Vaal.							
1.14	The international cargo airport should be combined with an inland harbour/container depot and an industrial development zone (IDZ).							
1.15	Problems (congestion) at other airports (JHB, Lanseria, etc.) are an obstacle to my business.							
1.16	An international cargo airport in the Vaal will increase the intensity of the noise levels in the Vaal.							

1.17	My business will use the international cargo airport to export/import primarily from/to African countries.							
1.18	My business will use the international cargo airport to distribute/procure primarily to/from other cities/areas in South Africa.							
1.19	My business will use the international cargo airport to export/import primarily to/from international countries, other than African countries.							
1.20	The proposed international cargo airport should also make provision for passenger services to a certain degree.							

2 Vaal inland harbour/container depot

Questions/statements related to the establishment of an inland harbour/container depot in the Vaal Logistical Hub

		1	2	3	4	5	6	7
2.1	My business will make use of a container depot in the Vaal.							
2.2	A container depot in the Vaal will lead to cost reductions for my business.							
2.3	A container depot in the Vaal will solve the problem of delays for my business.							
2.4	A container depot in the Vaal will enable my business to carry fewer inventories.							
2.5	A container depot in the Vaal will enable my business to make use of international best practice (example just-in-time procurement).							
2.6	My business fully supports the establishment of a container depot in the Vaal.							
2.7	A container depot in the Vaal will lead to higher business confidence in the area.							
2.8	A container depot in the Vaal will create jobs in the Vaal.							
2.9	A container depot in the Vaal will lead to a higher rate of industrial development in the area.							
2.10	My business will be exposed to more export opportunities with a container depot in the Vaal.							
2.11	My business will be exposed to more imported products with a container depot in the Vaal.							
2.12	My business will create more jobs as a result of a container depot in the Vaal.							

2.13	My business will expand because of a container depot in the Vaal.							
2.14	It is a good idea to combine the container depot with an international cargo airport and an industrial development zone (IDZ).							
2.15	My business will use the container depot to export/import primarily to/from African countries.							
2.16	My business will use the container depot to distribute/procure primarily to/from other cities/areas in South Africa.							
2.17	My business will use the container depot to export/import primarily to/from international countries other than African countries.							

3 Vaal industrial development zone

Questions/statements related to the establishment of an industrial development zone (IDZ) in the Vaal Logistical Hub

		1	2	3	4	5	6	7
3.1	My business fully supports the establishment of an IDZ in the Vaal.							
3.2	My business will participate in the activities of an IDZ in the Vaal.							
3.3	An IDZ in the Vaal will create new business opportunities for my business.							
3.4	An IDZ will create downstream opportunities/manufacturing for my business.							
3.5	An IDZ is suitable for the export-oriented products of my business.							
3.6	My business will be exposed to more imported products with an IDZ in the Vaal.							
3.7	My business will relocate its business/production activities to/in the IDZ.							
3.8	My business will utilize the facilities and infrastructure of the IDZ.							
3.9	An IDZ will have tax benefits for my business.							
3.10	My business will utilize the government incentive schemes related to an IDZ.							
3.11	An IDZ will increase the competitiveness of my business.							

3.12	An IDZ will lead to the diversification of my business' production activities.								
3.13	My business will expand because of the establishment of an IDZ in the Vaal.								
3.14	An IDZ in the Vaal will have a positive economic/financial impact on my business.								
3.15	My business will create new jobs because of an IDZ in the Vaal.								
3.16	An IDZ in the Vaal will eventually offer a direct link to an international cargo airport for my business.								
3.17	An IDZ in the Vaal will eventually offer a direct link to an inland harbour/container depot for my business.								
3.18	An IDZ provides a location for the establishment of strategic investments to the benefit of the Vaal.								
3.19	An IDZ will attract new businesses into the Vaal.								
3.20	An IDZ in the Vaal will lead to higher business confidence in the area.								
3.21	An IDZ enables the exploitation of resource-intensive industries in the Vaal.								
3.22	An IDZ will lead to a diversification of production activities in the Vaal.								
3.23	The establishment of an IDZ in the Vaal will create new jobs for the Vaal region.								
3.24	An IDZ will increase the Vaal's total output/production and eventually the region's gross geographical product (GGP).								
3.25	An IDZ will contribute to a reduction of the high poverty level/rate of the Vaal.								
3.26	An IDZ will stimulate industrial development in the Vaal.								
3.27	The establishment of an IDZ in the Vaal is an ideal LED (local economic development) strategy for the region.								
3.28	It is a good idea to combine the IDZ with an industrial cargo airport and an inland harbour/container depot.								
3.29	My business fully supports the establishment of a logistical hub in the Vaal – international (cargo) airport, inland harbour/container depot and an IDZ.								
3.30	A logistical hub is the ideal location for conducting business on a global scale, without ever having to leave your own backyard.								

Appendix C: Freight Forwarder Questionnaire

A GENERAL INFORMATION

1	Name of company	
	Position of respondent	
	Address of company	
	Telephone number	
	E-mail address	

B DISTRIBUTION & BUSINESS INFORMATION

1 What type of products did your company primarily forward in the last year?

Product	Percentage

2 How would you describe the size of your business if looked at kilograms forwarded by road/rail in the last year?

Big		Medium		Small	
-----	--	--------	--	-------	--

3 Approximately how many kilograms (by road) on average do you forward per month?

Specify	
---------	--

3 Approximately how many kilometres on average do your trucks travel per month to move freight to and from container ports?

Specify	
---------	--

C CURRENT PROBLEMS IN INDUSTRY

5 Do you experience any problems at City Deep?

Yes		No	
-----	--	----	--

Specify	
---------	--

6 How would you describe the size of your business if looked at kilograms forwarded by road/rail in the last year?

Administration constraints	
Capacity constraints	
Other Specify	

7 Do you expect the problems to increase at City Deep?

Yes		No	
-----	--	----	--

D STATED PREFERENCE QUESTIONS

8	Assume that an alternative container terminal linked to an airport with international status is developed in the Vaal area; will you be prepared to make use of it?	Yes		No	
9	If yes indicated in question 8, what percentage of your business will you be prepared to channel through the Vaal Inland Container Depot?				%
10	Assuming that constraints exist at City Deep related to administration/customs etc. and an container terminal in the Vaal is managed with less administrative constraints; will you be prepared to make use of the terminal?	Yes		No	
11	If yes in question 10, what percentage of your business are you prepared to channel through the Vaal Inland Container Depot?				%
12	If the Vaal Inland Container Depot renders the same services as City Deep but at a lower fee structure (taking into account the transport cost to the Vaal), will you be prepared to make use of the alternative Vaal Inland Container Depot?	Yes		No	
13	If yes in question 12, what percentage of your business are you prepared to channel through the Vaal Inland Container Depot?				%
14	If it is assumed that the Vaal area does not have enough origin-destination demand, will you still make use of the container terminal to forward goods out of other areas?	Yes		No	
15	If yes in question 14, what percentage of your business are you prepared to channel through the Vaal Inland Container Depot?				%
16	If the Vaal Inland Container Depot is combined with an international cargo airport, will you make use of the container terminal in the Vaal?	Yes		No	
17	If yes in question 16, what percentage of your business will you channel through the Vaal Inland Container Depot?				%