

Contents

1	Introduction.....	1
1.1	Brief Description about the Company.....	1
1.2	Asphalt Plant (Overview).....	2
1.3	Project Team	2
2	Project Description.....	3
2.1	Projects Particulars.....	3
2.2	Project Justification.....	5
2.3	Project Alternatives	7
2.3.1	Project Alternative	7
2.3.2	Do Nothing Option	7
2.3.3	Best Alternative	8
2.4	Schedule of Implementation.....	8
3	Policy, Legal and Administrative Framework	10
3.1	Project Promoter.....	10
3.2	Land Ownership	10
3.3	Legal Requirements.....	10
3.4	Zoning	11
3.5	Licence Application	11
3.6	Building and Land Use Permit	11
3.7	Other Clearances	12
4	Site Description and Characteristics	13
4.1	Site Location	13
4.2	Site Access	13

4.3	Site Boundaries	15
4.4	Site Topography	15
4.5	Surrounding Environment.....	15
4.6	Environmental Sensitivity	16
4.7	Hydrological Characteristics	17
4.8	Rainfall	18
4.9	Temperature	18
4.10	Wind Regime.....	19
4.11	Site Geology	19
5	Technical Characteristics	21
5.1	Plant Overview	21
5.2	Asphalt Plant Components.....	24
5.2.1	Cold Aggregates bin feeders	24
5.2.2	Continuous Electronic Belt Weighting System	25
5.2.3	Drying and Mixing Drums.....	25
5.2.4	Burner	26
5.2.5	Load Out Conveyor.....	27
5.2.6	Bitumen Tanks and Auxiliary Equipment	27
5.2.7	Pollution Control Unit.....	28
5.2.8	Control Cabinet.....	29
5.3	Process Description	30
5.4	Raw Materials Constituents	31
5.4.1	Aggregates	31

5.4.2	The Paving Bitumen	31
5.5	Storage of Materials	32
5.5.1	Storage of Bitumen	32
5.5.2	Storage of Aggregates.....	32
5.5.3	Diesel	32
5.6	Transportation	32
5.6.1	Bulk Bitumen.....	32
5.6.2	Aggregates	33
5.6.3	Diesel	33
5.6.4	Asphaltic Concrete.....	33
6	Infrastructure and Utility Planning	34
6.1	Water Requirements.....	34
6.1.1	Water Supply Network	34
6.1.2	Water Conservation	35
6.2	Electrical Requirements	35
6.3	Telecommunication Services	35
6.4	Fuel Requirements.....	35
7	Predicted Environmental Impacts & Mitigation Measures.....	36
7.1	Overview	36
7.2	Construction Phase.....	37
7.2.1	Possible Environmental Impacts during Construction.....	37
7.2.2	Mitigating Measures during Construction	38
7.3	Operation Phase.....	42
7.3.1	Dust Emission	43

7.3.2	Gaseous and Odour Emissions.....	45
7.3.3	Noise Emission	49
7.3.4	Traffic Implications	50
7.3.5	Solid Waste Generation	51
7.3.6	Wastewater Generation.....	52
7.3.7	Impact on Land Use	53
7.3.8	Visual Impacts	53
7.3.9	Impacts on Human	54
8	Socio Economic Impacts.....	59
8.1	Employment Opportunities	59
8.2	Economic Considerations.....	59
9	Risk Assessment	60
9.1	Fire Hazards	60
9.1.1	Risk of Fire Outbreak.....	60
9.1.2	Precautions and Contingency Plan.....	60
9.2	Spillage.....	61
9.2.1	Risk of Bitumen and Diesel Spillage	61
9.2.2	Precautions and Contingency Plan.....	61
9.3	Cyclonic Conditions.....	62
9.3.1	Risk of Cyclones	62
9.3.2	Precautions and Contingency Plan.....	62
10	Environmental Monitoring Plan	63

LIST OF FIGURES

- Figure 2.1 - Layout overview of Asphalt Plant*
- Figure 4.1 - Road B24*
- Figure 4.2 - Entrance to Private Accessed*
- Figure 4.3 - Entrance to Crushing Plant*
- Figure 4.4 - Aerial Photograph*
- Figure 4.5 - Quarry for production of Aggregates*
- Figure 4.6 - Proposed Site*
- Figure 4.7 - Geological Map*
- Figure 5.1 - Proposed Plant*
- Figure 5.2 - Bin Feeders*
- Figure 5.3 - Dryer & Mixing Drums*
- Figure 5.4 - Burner*
- Figure 5.5 - Control Cabinet*
- Figure 7.1 - Stages of life cycle of Project*
- Figure 7.2 - Proposed Site*

LIST OF TABLES

<i>Table 2.1</i>	-	<i>Overall Specification of the Asphalt Mixing United</i>
<i>Table 2.2</i>	-	<i>Schedule of Implementation</i>
<i>Table 4.1</i>	-	<i>Rainfall in the East of Mauritius</i>
<i>Table 7.1</i>	-	<i>Summary of Environmental Impacts & Mitigating measures during Construction</i>
<i>Table 7.2</i>	-	<i>Air Quality Standards (Particulate)</i>
<i>Table 7.3</i>	-	<i>Air Quality Standards (Gaseous)</i>
<i>Table 7.4</i>	-	<i>Summary of Environmental Impacts & Mitigating measures during Operation</i>
<i>Table 10.1</i>	-	<i>Environmental Monitoring Plan (EMP) - Construction Phase</i>
<i>Table 10.2</i>	-	<i>Environmental Monitoring Plan (EMP) - Operation Phase</i>

ANNEXURE

<i>Annex 1</i>	-	<i>EIA License For Pricom Ltd</i>
<i>Annex 2</i>	-	<i>Site and Location Plan</i>
<i>Annex 3</i>	-	<i>Site layout</i>
<i>Annex 4</i>	-	<i>Certificate of Incorporation of the Company</i>
<i>Annex 5</i>	-	<i>Lease Agreement and Title Deed</i>
<i>Annex 6</i>	-	<i>Safety Data Sheet</i>
<i>Annex 7</i>	-	<i>Plant Specifications</i>
<i>Annex 8</i>	-	<i>EIS (Environmental Impact Statement)</i>
<i>Annex 9</i>	-	<i>Plant layout and Details</i>
<i>Annex 10</i>	-	<i>Extract of Memorandum and Articles of Association of the Company</i>