



# Circular Economy Development Roadmap

## Implementation Recommendation Report Dammam Industrial City II

For,  
Al Madar Al Bea for Environmental Consulting

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cBalance Solutions Pvt Ltd.  
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## Overview of the project

Modon (Saudi Authority for Industrial cities and Technology zones) is the government organisation responsible for integrated development of Industrial Cities within Saudi Arabia. Al Madar Environmental consulting group, with Modon envisions creating a Circular Economic pilot model starting with Dammam Industrial city II. Through this project, cBalance solutions pvt. ltd. is helping Al Madar group define and find solutions to key drivers that are needed to implement Circular Economy using the Dammam Industrial City II as a proof of concept for potential future wide roll out plans. The project focuses on building a Circular economy roadmap for pilot 20 industries within the Dammam Industrial city. The project is structured in the following stages:

- 1. Background research:** This stage comprises developing in-depth knowledge on the Circular economy model, diverse frameworks, the existing policies at a Global level and countries efforts to work on it, its challenges, limitations, critical perspectives and the potential future. This study is the base of formulation of our project's Theory-of-Change including activities, outputs, outcomes and intended impact of the project.
- 2. Data Collection:** This stage comprises survey questionnaire designs to gather data from the industries regarding different domains of the manufacturing processes such as raw materials, production, supply-chain mapping, waste, water, energy mapping and asking questions based on CE framework to identify potential of the transition to the Circular economic model that will enable the process of selection of 20 industries for the pilot.
- 3. Build ranking Frameworks and selection tools:** The spreadsheet tools and frameworks will be created based on the data received with the selection criterias and weightage factors to narrow down from all industries to 100 to final 20 industries. These toolkits will also find use during the project expansion for other industries of the industrial city.
- 4. Develop Roadmap for 20 pilot industries:** Based on the data inputs from the questionnaires and built spreadsheet tools, circularity will be suggested at both park and firm levels and a roadmap will be laid out for the same for the 20 industries. The roadmap will detail out the stakeholders and steps to the recommendations and ideas, GHG mitigation and energy conservation, material and waste reduction and Marginal Abatement Cost for 20 industries.
- 5. Capacity Building and Training:** Capacity building of two Saudi engineers by working closely and shadowing the consultant team and subject to transfer those to MODON in order to follow the implementation of MODON industrial cities at the stage of project expansion. The suggested approach will be to include the engineers from the data collection/inception phase of the project. The engineers will be responsible for executing the implementation plan along with the Modon team supported by the cBalance team.

## Circular Economy and its benefits

The Circular Economy, before it was translated into an economic system and a refuge for the Climate crisis through a Capitalist's perspective, was inherently practised by our ancient civilizations. The practice was primarily an expression of being a part of nature and respecting nature, where every material is a nutrient and a subsequent resource for others. It is largely Industrialization that set the start of altering natural systems and replacing them with extractive forces by humans.

Industrialization has led the world into a linear production and economic system of 'TAKE-MAKE-WASTE' practice, which has led to two major mishaps: the world is consuming 100 billion tonnes of

materials (natural resources) and our planet has become 1 degree warmer. The Circular Economy helps the world transit to 'TAKE-MAKE-REPAIR-RECYCLE-REUSE-REGENERATE' economic model. However, the Circularity Gap report 2021 reveals that our global economy is degrading itself in terms of circularity. The world was 9.1% circular in 2018, while in 2021 it is 8.6%.

Circular Economy is a systematic way of designing things that value material, labour and energy. This means designing for durability, reuse, remanufacturing, recycling to maintain consistent material flow with no residual wastage. Circular Economy has three core characteristics:

1. Reduction or no extraction of resources: Exploring alternative material chains and energy models to enable Regeneration of Natural ecosystems and our planet
2. Increasing Product lifespan: Innovation in Recyclable and reusable Product Design.
3. Waste as a Nutrient: Aggregating and Management of Waste to direct it for resource formation.



## Circular Economy in Industrial zones

100 billion tonnes of materials enter the global economy every year, with only 8.6% cycled back into the economy. In the year 2019, 59.1 billion tonnes of GreenHouse gases (GHG) were emitted, out of which 76% is carbon dioxide<sup>1</sup>. Out of this, around 53% of energy consumption and GHG emissions are contributed from industries mainly iron and steel, cement, oil, chemical, petrochemical) which comes upto 31 billion tonnes, followed by Agriculture, Transport and Housing. This data reveals and hints at the priority of Industrial zones to be transformed and transitioned through significant explorations and sufficiency to be circular and resource efficient.

The idea of Eco-Industrial Parks (EIP) first came out during the United Nations Conference on Environment and Development in Brazil in 1992. Evolved over time, the EIP looks at four aspects: Park management performance, Environmental performance, Social and Economic performance. The Circular economy principles are largely embedded in the environmental performance, along with site planning, which overarchingly cover 3 areas:

- Renewable energy and Energy management
- Water circularity - Water supply and waste water
- Industrial Symbiosis - Waste and Material recovery

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<sup>1</sup> Circularity Gap Report 2021

Circular Economy is a slow transition process, where supply, production, and financial chains need to be disrupted and revisited for achieving the goal of a truly closed loop economy.

## Project Approach

This section details out our entire methodology, process and rationale of reaching to the pilot 20 industries for which the roadmap of Circular Economy was built. The narrative spans from criterias considered from reaching to the list of 100 from a total of 1181 industries in Dammam Industrial city II, followed by squaring down to final 20 industries.

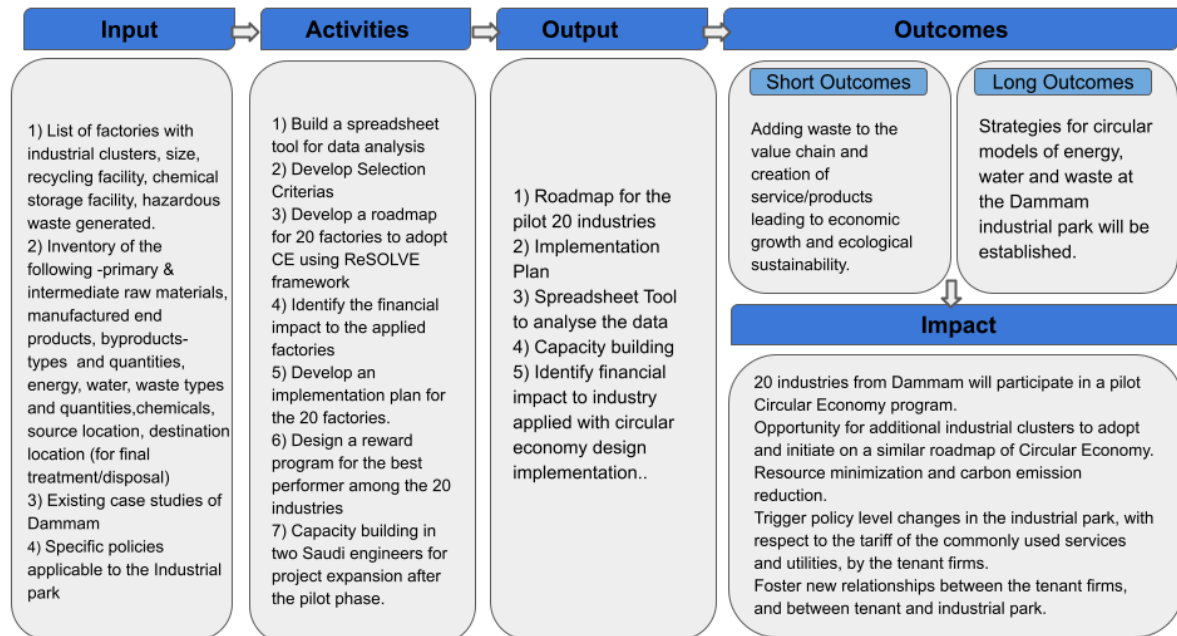


Figure 1 Project Theory of Change

## Methodology to select 100 industries from the universal set

A ranking framework was created based on the preliminary data with the following four guiding criterion with weightage factors considered for selecting 100 industries:

- i. Exclusion of industries whose details were not provided
- ii. Exclusion of non manufacturing industries
- iii. Carbon emissions of the industry type - 40% weightage
- iv. Hazardous waste generation of the industries - 25% weightage
- v. Availability of Recycling facility - 20% weightage
- vi. Higher plot areas - 15% weightage

The analytical rubric and the outcome of the application of analytical framework to an initial list of 845 Factories is presented in Annex A.

The 100 highest ranked (according to the weighting-factors presented above) industries for consideration in the next stage of the analysis and their respective relative ranking is presented below. It must be noted that 68 industrial units emerged with an identical rank of 33 and hence the

total number of units selected in this phase (in order to avoid arbitrarily excluded companies who emerged with identical rankings) was in fact 153 units as is evident from the table below.

**Table 1 Top-100 Companies**

Sr. No.	Company Name	Rank
1	Saudi Arabian Ductile Iron Pipes Co. - SADIP	62
2	Saudi Steel Pipe Company (SSP)	61
3	National Steel Co. Ltd. - Watani	60
4	Abrasive Technology Factory	59
5	Akzonobel Saudi Arabia Co. Ltd.	59
6	Al-Saidi Factory for Cleaning Products	59
7	Astra Industrial Complex Company for Fertilizers and Agricultural Pesticides	59
8	Bituminous Products Co. Ltd. (BITUMAT)	59
9	Bituminous Products Co. Ltd. (BITUMAT)	59
10	Black Arrow Factory for Detergents	59
11	Gulf Chemicals and Industrial Oils Co.	59
12	Industrial Chemicals & Resins Company	59
13	Jotun Powder Coatings Saudi Arabia Company	59
14	Mohamed Naji Al-Haggag Factory for Chemicals Products	59
15	Saudi BASF for Building Materials Co.	59
16	Sigma Paints Saudi Arabia Co., Ltd.	59
17	Sodium Silicate Factory	59
18	Axles, Foundries & Spare Parts Factory	58
19	Salman Johar Al-Johar Scrap Melting Factory	57
20	Saudi Recycling Co. for Paper & Waste	56
21	Future Ceramic & Porcelain Company	55
22	Future Ceramic & Porcelain Company	55
23	Al Fozan Steel Industries Company	54
24	Al Ittefaq Steel Factory	54
25	Al Rashed Fasteners and Engineering Fabrication Services	54
26	Axles, Foundries & Spare Parts Factory	54
27	Global Steel Dust Gulf Co.	54
28	Gulf Metal Galvanizing Factory	54
29	Modern Industries Company - Tide	53
30	Arab Paper Manufacturing Co. Ltd. - Waraq	52
31	Saudi Paper Manufacturing Co.	51

32	Salman Johar Al-Johar Scrap Melting Factory	50
33	Sponge Iron Factory	49
34	Mohamad Azzam Barghouth Factory for Ceramic Products	48
35	Al Huwail Factory for Tire Retreading	47
36	Al-Jadid Global Factory for Plastic & Metal Recycling	47
37	Saudi Factory for Seamless Steel Pipes	46
38	Middle East Battery Company (MEBCO)	45
39	Group Five Pipe Saudi Co. (G5PS)	44
40	Noor Factory for Cardboard & Packaging	43
41	Al-Namozagya Co. for Precast Concrete systems	42
42	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	41
43	Future Ceramic & Porcelain Company	40
44	Saudi Ready-mix Concrete Company	39
45	Al-Faisal Steel Industries Factory	38
46	Sponge Iron Factory	37
47	Advanced Manufacturing for Metal & Glass Co.	36
48	Al-Aqeer Gypsum Factory	36
49	Al-Hasamahia Fiberglass Factory	36
50	Al-Jazea Factory for the Production of Polyethylene Pipes	36
51	Aman and Hemaya Factory for the manufacture of explosion and fire resistant electric materials	36
52	Arabian Fiberglass Insulation Co. (AFICO)	36
53	Arabian Refractories Factory CO.	36
54	Asamco Aluminium Systems Factory	36
55	Balhamer Factory For Granite Powder	36
56	Fiber Q-Lite Industries Arabic	36
57	Fonoun Factory for Fiberglass Products	36
58	Fonoun Factory for Fiberglass Products	36
59	Ghali Maadi Al-Sebeaei Factory for Marble, Granite and Stone	36
60	Gulf Gasket Factory	36
61	Hadaid Saudi Arabia Factory Co. for Heavy Industries	36
62	Jisr Al-Khaleej Industries and Iron Works co., Ltd. Factory	36
63	Khaled Industrial Marble Factory	36
64	Khaled Industrial Marble Factory	36
65	Mamdouh Aziz Al-Hwail Factory for Aluminium & Glass	36



66	Marjan Factory Company for Fiberglass Products	36
67	Morgan Factory for Fiberglass Products	36
68	Mourouj Al-Jazeera Factory for Iron Works	36
69	National Fiberglass Factories - Branch of Ibrahim Al-Muhaidib Commercial Company	36
70	National Fibre Glass Factory	36
71	Omar Saleh Shamlan Glass Factory	36
72	Ramsey Glass Factory	36
73	Riyadh Ceramics Factory	36
74	Riyadh Ceramics Factory	36
75	Saeed Ali Ghadran Factory for Plastic Pipes	36
76	Sama Supplies Aluminum Factory	36
77	Saudi Concrete Products Co. Ltd. (SACEP)	36
78	Saudi Thermal Industries Factory	36
79	Synthetic Fiber Co. Ltd.	36
80	Technical Principles Factory for Metal Industries	36
81	World Quality Fiberglass Factory	36
82	World Quality Fiberglass Factory	36
83	Yacoub Yusuf Alnegedi Factory for Glass	36
84	Future Pipe Industry Co., Ltd.	35
85	Saudi Paper Converting Company	34
86	Abahsain Specialized Industrial Co.Ltd	33
87	Abdullah Ali Al Saif Factory for Cement Products	33
88	Advanced Plastic Components Technologies Co. Factory for Polyethylene	33
89	Al Shubrumyah Aerosol Factory	33
90	Al-Alamia Factory for Chemical Additives	33
91	Al-Alia Chemicals Factory Company	33
92	Al-Iman Factory	33
93	Al-Masalah Air Conditioners Factory	33
94	Albattal Chemical Industries Factory	33
95	Ali Hassan Al-Saud & Sons Co. for Industrial Marble and Granite	33
96	Alwan Lotus Paints Factory Ltd	33
97	ARASCO Chemicals Factory (ARCHEM)	33
98	ARASCO Factory for Chemical Industries (Archem)	33
99	Astra Industrial Factory for Fertilizers and Pesticides	33
100	Astra Polymer Compounding Co.	33

101	Balhamer Factory for Wood Paint	33
102	Baxter Co. Ltd. (BCL)	33
103	Biochemical Factory	33
104	Canary Factory for Chemical Detergent and Disinfectants	33
105	Chemical Reagents Detection Factory	33
106	Chemicals & Metals Factory	33
107	Drilling Materials Trading Est.	33
108	Factory of Saleh and Abdul Aziz Abou Hussein Co. for Chemicals Industry	33
109	Fahd Thunayan Al-Thunayan & Partners Co. for Chemical Products	33
110	Ghassan Mohamed Al-Majid Factory for Industrial Sponge	33
111	Gulf Horizons Factory for Paints and Pastes	33
112	Hit Factory for the Production of Lubricating Greases	33
113	Howraa Cosmetics Factory	33
114	Insulation Materials Technology Factory	33
115	International Company for Specialty Chemicals Factory	33
116	Jader Ayed Al-Fahad Factory for Bentonite	33
117	Joveh factory for household and industrial detergents	33
118	Manar Paints Factory	33
119	Modern Chemicals Factory	33
120	Modern Detergents Factory	33
121	Modern Factory for Adhesive Products	33
122	Modern National Chemical Factory	33
123	National Detergent Products Company - Clorox	33
124	National Establishment for Agricultural and Industrial Sulphur	33
125	Oil and Gas Polymers Factory	33
126	Oren Chemical Manufacturing Company	33
127	Rebeon Chemicals Factory	33
128	Redayat Kamika Co. Ltd. for Protection Coating	33
129	Saeed Maeidh Awad Moriea Factory for Chemical Products	33
130	Saleh and Abdul Aziz Abou Hussein Co. Factory for Chemicals Industry	33
131	Saleh and Abdul Aziz Abou Hussein Factory for Oils Mixing	33
132	Saudi Abrasives Factory	33
133	Saudi Arabia Nalco Company Limited	33
134	Saudi Azbel Co. Ltd.	33
135	Saudi Chemical Company	33

136	Saudi Concrete Products Co. Ltd. (SACEP)	33
137	Saudi Industrial Detergents Company (SIDCO)	33
138	Saudi Modern Factory	33
139	Saudi Peatmoss & Vermiculite Plant	33
140	Saudi Petroleum Equipment Factory	33
141	Saudi Soil Improvers Co. Factory	33
142	Saudi Vetonit Co. Ltd. Factory For Construction Materials	33
143	SaudiChemicals Company	33
144	Sawari Al Mashreq Factory for Industry	33
145	Sealant Parts Factory	33
146	Senaat Qoloub Company for Petrochemicals	33
147	Smart Energy Services Chemical Co. Factory	33
148	Synthetic Fiber Co. Ltd.	33
149	Takat Al-Sharq Saudi Factory	33
150	Torath Belady Factory for Paints and Pastes	33
151	United Coatings Manufacturing Company	33
152	United Lubricating Oil Treatment Company	33
153	Zamil Industrial Coatings Factory	33

## Methodology to select 30 industries from 100

A survey questionnaire was designed for the selected 153 industries to gather inventory of their Raw Material, Chemicals, Products, Waste, Energy, Water and Wastewater. A ranking framework was laid out based on collectively arrived weightage factors of Waste, Water and Wastewater, Materials and Energy, based on which top 30 industries were selected. The weightages for different domains considered are stated in the table below:

**Table 2 Domain and weightage factors for selecting top 30 industries (Part 1)**

Domain	Domain Factor	Description	Weightage Factor
Waste	Total Hazardous Waste Generation	Mass - ignitable, corrosive, toxic, reactive solid waste	8%
Waste	Total Oily Waste	Mass - oily waste	7%
Waste	Total Municipal Recyclable Waste	Mass - all potential recyclable, degradable reusable wastes	5%
Waste	Total Solid Waste Generation	Mass - all type and quantities of all wastes	10%

	Sub-Total		30%
Water & Wastewater	Total Water Consumption	Volume - Water usage	7%
Water & Wastewater	Total Freshwater Use	Volume - Surface + Groundwater usage	7%
Water & Wastewater	Total Untreated Industrial Wastewater	Volume - Untreated Industrial Wastewater	6%
Water & Wastewater	Total Untreated Domestic Wastewater	Volume - Untreated Domestic Wastewater	5%
	Sub-Total		25%

**Table 3 Domain and weightage factors for selecting top 30 industries (Part II)**

Domain	Domain Factor	Description	Weightage Factor
Materials	Total Raw Material Procurement	Mass - all raw material procured	3%
Materials	Total Production	Mass - all products	3%
Materials	Total Potential Raw Material Product Substitution Potential	Mass - potential substitution of raw material and products with low-carbon/environmental impact alternatives	7%
Materials	Total High Environmental Impact Chemical Raw Material and Production	Mass - high environmental impact chemical materials in input raw material and final product	7%
	Sub-Total		20%
Energy	Total Electricity Consumed	Energy Value - Electricity purchased from SEC	5%
Energy	Total CO2e Emission	Mass - GHG Emissions from Production	7%
Energy	Total Fuel Consumption	Energy Value - Thermal Fuel Consumption	5%
Energy	Total Non-Renewable Energy Consumption	Energy Value - Non-Renewable Energy Sources	8%
	Sub-Total		25%
All	Total		100%

Figure 2 Formula designed to arrive at Company score to select top 30 industries

$$Total\ Company\ Score = \sum_1^n Company\ DF - Norm.\ Rank_n \times WF_n$$

$$Company\ DF - Norm.\ Rank_n = \frac{Company\ DF - Rank_n}{Company\ DF - Rank_{max.}}$$

where:

***Company DF - Rank<sub>n</sub>***

= Relative Value Rank of a Company's Domain Factor Value (DF) within universal set of companies

***Company DF - Rank<sub>max.</sub>***

= Maximum Value Rank of the Company with the highest Domain Factor Value (DF) within universal set of companies

***WF<sub>n</sub>***

= Weightage Factor for Domain Factor (DF)

### Process for getting the company score and ranking for final selection

1. Get the raw data (Domain Factor Value) from survey questionnaire for each Domain Factor (e.g., hazardous waste.)
2. Get Domain Factor Ranking for each Domain Factor against total number of companies (e.g., Rank 72 out of 140)
3. Get the Normalized Domain Factor Ranking (company ranking divided by the maximum rank) (e.g., 72/140 = 0.514)
4. Multiply Normalized Domain Factor Ranking by its Weightage Factor (e.g., 8% weightage factor for hazardous waste, hence, 0.514 x 8% = .04112). The result is the Weighted Company Score (e.g., .04112)
5. Add the Weighted Company Score of ALL Domain Factors to get the Total Weighted Company Score.
6. Rank the Total Weighted Company Score, then make the selection (Top 20 or Top 40)

**Table 4 List of Top 100 Companies with domain factor values - Part I**

\* All values below are annual values

Company_ID	Company Name	Hazardous Waste (kg)	Oily Waste (kg)	Municipal Recyclable Waste (kg)	Solid Waste Generation (kg)	Water Consumption (liters)	Freshwater Use (liters)	Untreated Industrial Wastewater (liters)	Untreated Domestic Wastewater (liters)
MOD_AII_139	Al-Saidi Factory for Cleaning Products	0	0	0	0	127,260,000	0	0	70,704,000
MOD_AII_192	Arab Paper Manufacturing Co. Ltd. - Waraq	17,100	0	0	114,017,100	2,476,224,000	0	0	0
MOD_AII_207	ARASCO Chemicals Factory (ARCHEM)	0	0	0	28,050,000	3,600,000	3,600,000	0	0
MOD_AII_28	Advanced Plastic Components Technologies Co. Factory for Polyethylene	0	0	25,000	25,000	7,171,000	7,171,000	7,171,000	0
MOD_AII_550	National Fibre Glass Factory	0	0	0	3,000	2,400,000	2,400,000	2,400,000	0
MOD_AII_100	Al-Jadid Global Factory for Plastic & Metal Recycling	240	0	2,600	2,840	0	0	0	0
MOD_AII_118	Al-Magul Factory for Oxidized Asphalt and Insulation Material	5,000	5,000	0	17,000	1,020,000	1,020,000	0	1,020,000
MOD_AII_119	Al-Majdouie Steel Industries Factory	36,100	0	480,000	492,100	6,000,000	6,000,000	3,600,000	0
MOD_AII_121	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	59,440	2,040	5,028	534,940	36,500,000	18,250,000	182,500	365,000
MOD_AII_128	Al-Namozagya Co. for Precast Concrete systems	69,106	60,000	60,000	129,106	54,084,000	0	60,000	54,084,000
MOD_AII_131	Al-Olayan Aluminum Kitchen Palace Factory	7,680	0	16,248	16,268	3,600,000	3,600,000	0	144,000
MOD_AII_136	Al-Rimal Al-Sharqia Factory Co.	0	0	0	0	582,000	342,000	72,000	240,000
MOD_AII_15	Abdullah Hashim Factory for Equipment and Gases	0	0	0	1,200,000	183,600,000	0	109,500,000	0
MOD_AII_150	Al-Sharqiya Foods Factory	192	0	96	192	30,000,000	30,000,000	0	0
MOD_AII_153	Al-Smou Factory Company for the Production of Drinking Water Limited	6,593	0	6,388	6,593	36,500,000	36,500,000	7,300,000	0
MOD_AII_160	Al-Tuwairqi Energy Corporation	14,862	10,000	1,000	2,215,862	564,000,000	0	0	0

						0			
MOD_Ail_162	Al-Usaimi Iron and Steel Factory	0	0	4,800,000	5,304,900	32,400,000	21,600,000	0	0
MOD_Ail_17	Abdullah Mohamed Al-Nemr Factory for Iron Recycling and Forming	195,300	15,300	0	607,300	66,000,000	66,000,000	0	0
MOD_Ail_196	Arabian Company Factory for Water Pipe Industry	0	0	0	0	11,124,000	11,124,000	0	0
MOD_Ail_198	Arabian Fiberglass Insulation Co. (AFICO)	1,026	0	180,018	841,044	65,700,000	65,700,000	486,000	162,000
MOD_Ail_2	Abahsain Specialized Industrial Co.Ltd	0	0	35,104	39,564	27,600	27,600	3,000	0
MOD_Ail_208	ARASCO Factory for Chemical Industries (Archem)	0	0	0	28,050,000	3,600,000	3,600,000	0	0
MOD_Ail_212	ARNON Plastic Industries Co. Factory	189,811	1,836	290,340	399,851	11,604,000	11,604,000	11,928,000	0
MOD_Ail_215	Asbak Factory for Building Materials	8,208	0	0	3,608,208	700,000	700,000	85,000	0
MOD_Ail_216	Asdaf Shadan Kitchens Factory	6,781	0	5,493	19,567	457,320	457,320	0	220,800
MOD_Ail_217	Astra Industrial Complex Company for Fertilizers and Agricultural Pesticides	14,487	2,040	24,001	26,488	7,200,000	0	960,000	0
MOD_Ail_223	Axles, Foundries & Spare Parts Factory	0	0	187,200	213,200	0	0	0	0
MOD_Ail_233	Bainehal Arab Food Co. Ltd.	889	0	584,000	584,889	114,384,000	114,384,000	44,760,000	0
MOD_Ail_24	Abrasive Technology Factory	14,294	10,200	3,612,385	3,641,379	0	0	0	1,440,000
MOD_Ail_244	Baxter Co. Ltd. (BCL)	3,656	1,000	51,000	193,656	79,000	0	59,000	0
MOD_Ail_250	Bituminous Products Co. Ltd. (BITUMAT)	37,702	2,400	20,400	55,102	2,400,000	2,400,000	2,400,000	0
MOD_Ail_279	Crestwood Factory Co. for Wood Works	0	0	0	0	0	0	0	0
MOD_Ail_289	Diab Factory for Plastics	0	0	0	0	120,000	120,000	60,000	0
MOD_Ail_333	Fonoun Factory for Fiberglass Products	96,200	44,200	0	96,200	0	0	0	0
MOD_Ail_342	Future Ceramic & Porcelain Company	3,632	600	14,760	21,992	0	0	36,500,000	0
MOD_Ail_346	Future Pipe Industry Co., Ltd.	27,474	0	24,000	57,084	0	0	0	0
MOD_Ail_369	Gulf Chemicals and Industrial Oils Co.	12,000	0	42,000	42,000	0	0	1,296,000	25,464,000
MOD_Ail_375	Gulf Metal Galvanizing Factory	0	0	16,000	176,000	1,800,000	1,800,000	0	1,680,000
MOD_Ail_383	Gulf Union Foods Company	0	0	36,500	91,250	36,500,000	36,500,000	29,200,000	0

								0	
MOD_Ail_39	Akzonobel Saudi Arabia Co. Ltd.	129,956	0	5,400	262,801	0	0	0	0
MOD_Ail_408	Industrial Chemicals & Resins Company	6,597	0	8,460	5,089,497	9,600,000	9,600,000	9,600,000	0
MOD_Ail_427	Jadawell Water Factory	12,640	340	14,600	15,240	190,000,00	190,000,00	53,124,00	0
						0	0	0	
MOD_Ail_437	Jotun Powder Coatings Saudi Arabia Company	72,170	170	114,000	294,170	5,000,000	0	700,000	0
MOD_Ail_461	Laqlaq Snacks Factory	1,200	0	5,640	5,640	132,000,00	0	0	0
						0			
MOD_Ail_471	Mahmoud Abdullah Factory for the Iron Production	0	0	0	3,000	2,400,000	2,400,000	2,400,000	0
MOD_Ail_487	Middle East Battery Company (MEBCO)	0	0	0	0	126,570,00	126,570,00	0	809,000
						0	0		
MOD_Ail_5	ABB Ltd.	0	0	0	538,560	809,000	809,000	0	0
MOD_Ail_502	Modern Factory for Steel Industries Co. Ltd	9,732	9,350	577,000	586,732	19,800,000	19,800,000	0	0
MOD_Ail_503	Modern Industries Company - Tide	1,380,510	510	4,657,200	4,837,710	362,983,00	362,983,00	0	114,209,000
						0	0		
MOD_Ail_51	Al Ittefaq Steel Factory	8,233	1,940	0	139,957,063	427,812,00	25,380,000	11,783,00	0
						0		0	
MOD_Ail_511	Modern Woodworks Factory	0	0	2,544,750	2,544,750	16,500,000	16,500,000	0	0
MOD_Ail_533	Nabhaa Factory for Industrial Rubber Products	44,460	0	0	44,460	9,420,000	9,420,000	0	0
MOD_Ail_553	National Plastic Ropes Factory	0	0	0	0	0	0	0	0
MOD_Ail_556	National Rubber Spare Parts Factory	0	0	0	0	37,230,000	37,230,000	0	0
MOD_Ail_563	Noor Factory for Cardboard & Packaging	324,024	0	2,311,200	2,318,664	32,808,000	32,808,000	0	4,640,400
MOD_Ail_573	Orange Zeb Kamar Factory for Wool Yarn	0	0	0	72,000	1,920,000	1,920,000	1,800,000	0
MOD_Ail_576	Othman Abdul Rahman Al-Ossaimi & Partners Trading Company	2,550	2,550	0	27,550	32,400,000	21,600,000	0	0
MOD_Ail_60	Al Razi Pharma Industry Factory	613	248	2,860	3,473	5,435,000	5,435,000	15,400,00	0
								0	
MOD_Ail_609	Redayat Co. Ltd. for Protective Coating	10,842	2	406,160	417,314	8,074,080	8,074,080	8,074,080	0
MOD_Ail_614	Riyadh Ceramics Factory	10,200	10,200	182,500	252,700	120,000,00	120,000,00	292,000,000	0
						0	0		
MOD_Ail_617	Rowad International Geosynthetics Co.	1,200,60	600	1,200,000	1,206,600	1,620,000	1,620,000	1,620,000	0



	Factory	0							
MOD_AII_644	Saudi Abrasives Factory	1,979	850	7,300	233,679	12,000,000	7,200,000	0	1,440,000
MOD_AII_655	Saudi BASF for Building Materials Co.	86,530	0	55	90,385	0	0	51,718,000	0
MOD_AII_671	Saudi Dairy and Foodstuff Company (SADAFCO)	10,310	5,100	69,488	79,376	144,000,000	144,000,000	0	0
MOD_AII_676	Saudi Factory for Seamless Steel Pipes	0	0	0	0	48,000,000	48,000,000	0	48,000,000
MOD_AII_680	Saudi Formica Sheets Company	274	0	372,000	372,274	19,200,000	19,200,000	0	0
MOD_AII_683	Saudi Industrial Detergents Company (SIDCO)	65,352	1,224	237,600	240,192	93,432,000	0	48,240,000	0
MOD_AII_684	Saudi Industrial Gas Co. (SIGAS)	0	0	0	0	0	0	0	0
MOD_AII_701	Saudi New Zealand Milk Products Company (SNZMP)	3,658	425	500	4,158	73,592,000	0	0	48,741,000
MOD_AII_710	Saudi Ready-mix Concrete Company	305	0	0	305	40,000	0	0	0
MOD_AII_715	Saudi Steel Pipe Company (SSP)	0	0	790,000	790,000	1,029,876,000	1,029,876,000	0	0
MOD_AII_724	Schlumberger Middle East Company	180,744	180,744	18,000	3,609,624	98,635,080	98,635,080	0	0
MOD_AII_73	Al-Alia Chemicals Factory Company	0	0	0	6,000	1,380,000	1,380,000	1,380,000	0
MOD_AII_732	Seven Stars Factory for Plastic Galvanizing and Packaging	13,274	0	25,600	73,874	7,200	7,200	0	4,800
MOD_AII_736	Siemens Co., Ltd. Factory	0	0	740	740	14,987,000	14,987,000	0	51,236,000
MOD_AII_737	Sigma Paints Saudi Arabia Co., Ltd.	59,297	10,200	148,450	167,810	1,664,000	1,664,000	1,664,000	624,000
MOD_AII_739	Sinthomer Middle East Company	486,690	0	0	1,446,690	108,000,000	108,000,000	0	0
MOD_AII_742	Sodium Silicate Factory	3	3	49,000	49,003	42,000,000	42,000,000	0	0
MOD_AII_749	Springs Water Compnay Limited	243,004	14,400	290,200	413,204	523,824,000	0	107,508,000	23,412,000
MOD_AII_756	Tabuk Pharmaceuticals Manufacturing Company	13,080	0	62,400	75,480	72,792,480	72,792,480	2,270	0
MOD_AII_772	Technical Rubber Co. Ltd.	365	0	15,330	16,060	200,000	0	0	0

MOD_AII_803	Universal Halon Treatment Factory	228	0	0	228	3,100,000	3,100,000	0	0
MOD_AII_816	Watan Factory for Industrial Gases	0	0	0	0	6,720,000	6,720,000	2,304,000	0
MOD_AII_823	Welspun Middle East Pipes Company Limited	8,595,966	8,500,000	15,000,000	23,595,966	0	0	0	0
MOD_AII_832	Zakhraf International Factory for Wooden Furniture	566	0	0	566	0	0	0	0
MOD_AII_835	Zamil Industrial Coatings Factory	2,394	0	0	2,394	6,000	6,000	6,120,000	0
MOD_AII_838	Zamil Process Equipment Company (ZPEC)	8,370	3,894	1,154,040	3,762,210	19,000	19,000	19,000	15,000
MOD_AII_97	Al-Iman Factory	0	0	0	0	50,000,000	0	50,000,000	0
MOD_AII_64	Al Salama Radiator Factory	10,000	0	366,000	18,366,000	1,350,500,000	401,500,000	0	0
MOD_AII_243	Bawan Wood Industries Co.	44,825	425	6,406,254	7,055,089	5,461,440	5,461,440	0	0
MOD_AII_251	Bituminous Products Co. Ltd. (BITUMAT)	37,969	2,040	20,400	55,369	2,400,000	2,400,000	2,400,000	0
MOD_AII_685	Saudi Intercoil Furniture Factory	2,325,600	2,325,600	1,823	2,327,423	3,920,630	3,920,630	3,920,630	0
MOD_AII_738	Sika Watan Saudi Arabia Co., Ltd. Factory	12,000	0	12,600	15,600	10,800,000	10,800,000	60,000	120,000
MOD_AII_833	Zamil Central Air Conditioners Co. Factory	0	0	0	0	66,132,000	66,132,000	66,132,000	0
MOD_AII_539	Nasser Saeed Al Hajri Factory for Metal Formation	20,800	10,200	220,500	240,100	12,000,000	12,000,000	0	12,000,000
MOD_AII_693	Saudi Light Food Co. Ltd.	162,792	30,180	1,741,200	4,866,204	77,300,000	77,300,000	0	5,800,000
MOD_AII_736	Siemens Co., Ltd. Factory	0	0	740	740	14,987,000	14,987,000	0	51,236,000
MOD_AII_747	Sponge Iron Factory	14,862	10,000	1,000	2,215,862	564,000,000	0	0	0

**Table 5 List of Top 100 Companies with domain factor values - Part II**

\* All values below are annual values

Company_ID	Company Name	Raw Material Procurement (kg)	Electricity Consumed (kWh)	CO2e Emission (kg CO2e)	Fuel Consumption (TJ)	Non-Renewable Energy Consumption(TJ)
MOD_AII_139	Al-Saidi Factory for Cleaning Products	127,376,347,296	2,149,261	1,519,099	57.6	65.4
MOD_AII_192	Arab Paper Manufacturing Co. Ltd. - Waraq	494,000,000	2,764,800	1,956,080	220.7	230.7
MOD_AII_207	ARASCO Chemicals Factory (ARCHEM)	51,100,000	1,260,000	888,694	39.2	43.7
MOD_AII_28	Advanced Plastic Components Technologies Co. Factory for Polyethylene	0	2,810,182	1,975,558	0.0	10.1
MOD_AII_550	National Fibre Glass Factory	1,282,655	360,000	253,463	5.2	6.5
MOD_AII_100	Al-Jadid Global Factory for Plastic & Metal Recycling	0	0	0	0.0	0.0
MOD_AII_118	Al-Magul Factory for Oxidized Asphalt and Insulation Material	33,450,000	1,200,000	852,798	123.7	128.0
MOD_AII_119	Al-Majdouie Steel Industries Factory	6,106,065	2,400,000	1,687,854	10.8	19.4
MOD_AII_121	Al-Manaraten Factory Insulated Concrete Blocks &Prefabricated Concrete Parts	11,656,850	2,400,000	1,687,200	0.0	8.6
MOD_AII_128	Al-Namozagya Co. for Precast Concrete systems	70,445,000	1,152,000	810,557	9.3	13.5
MOD_AII_131	Al-Olayan Aluminum Kitchen Palace Factory	249,162	372	262	0.0	0.0
MOD_AII_136	Al-Rimal Al-Sharqia Factory Co.	0	2,582,616	1,815,579	0.0	0.0
MOD_AII_15	Abdullah Hashim Factory for Equipment and Gases	5,909,700	55,684,800	39,146,414	0.0	200.5
MOD_AII_150	Al-Sharqiya Foods Factory	372	0	0	0.0	0.0
MOD_AII_153	Al-Smou Factory Company for the Production of Drinking Water Limited	0	166,667	117,167	0.0	0.6
MOD_AII_160	Al-Tuwairqi Energy Corporation	1,560,000,000	150,000,000	106,376,576	16,501.2	17,041.2
MOD_AII_162	Al-Usaimi Iron and Steel Factory	240,000,000	10,800,000	7,592,400	0.0	38.9
MOD_AII_17	Abdullah Mohamed Al-Nemr Factory for Iron Recycling and Forming	158,844,000	18,000,000	12,656,172	29.2	94.0
MOD_AII_196	Arabian Company Factory for Water Pipe Industry	91,950,000	3,210,000	2,256,630	0.0	11.6

MOD_Ail_198	Arabian Fiberglass Insulation Co. (AFICO)	21,660,000	16,800,000	11,839,027	509.0	569.5
MOD_Ail_2	Abahsain Specialized Industrial Co.Ltd	0	115,200	80,989	0.1	0.5
MOD_Ail_208	ARASCO Factory for Chemical Industries (Archem)	51,100,000	1,260,000	888,694	39.2	43.7
MOD_Ail_212	ARNON Plastic Industries Co. Factory	10,296,195	14,140,904	9,941,056	0.0	50.9
MOD_Ail_215	Asbak Factory for Building Materials	12,322,704,025	6,503,556	4,572,011	0.2	23.6
MOD_Ail_216	Asdaf Shadan Kitchens Factory	0	0	0	0.0	0.0
MOD_Ail_217	Astra Industrial Complex Company for Fertilizers and Agricultural Pesticides	1,282,655	360,000	253,463	5.2	6.5
MOD_Ail_223	Axles, Foundries & Spare Parts Factory	0	11,952	8,402	0.0	0.0
MOD_Ail_233	Bainehal Arab Food Co. Ltd.	82,630,623	8,500,500	5,975,852	0.0	30.6
MOD_Ail_24	Abrasive Technology Factory	0	0	0	0.0	0.0
MOD_Ail_244	Baxter Co. Ltd. (BCL)	310,769	3,798,000	2,671,767	23.9	37.5
MOD_Ail_250	Bituminous Products Co. Ltd. (BITUMAT)	1,282,655	360,000	253,463	5.2	6.5
MOD_Ail_279	Crestwood Factory Co. for Wood Works	190,740	1,200,000	843,600	0.0	4.3
MOD_Ail_289	Diab Factory for Plastics	0	5,666,667	3,983,667	0.0	20.4
MOD_Ail_333	Fonoun Factory for Fiberglass Products	531,075	0	0	0.0	0.0
MOD_Ail_342	Future Ceramic & Porcelain Company	134,137,500	30,102,067	21,200,847	693.8	802.2
MOD_Ail_346	Future Pipe Industry Co., Ltd.	23,666,361	11,519,304	8,105,122	125.6	167.0
MOD_Ail_369	Gulf Chemicals and Industrial Oils Co.	1,226,075,150	30,000,000	21,133,130	768.1	876.1
MOD_Ail_375	Gulf Metal Galvanizing Factory	0	0	0	0.0	0.0
MOD_Ail_383	Gulf Union Foods Company	19,999,317	6,600,000	4,640,966	15.7	39.4
MOD_Ail_39	Akzonobel Saudi Arabia Co. Ltd.	9,103,982	3,197,784	2,248,071	0.4	11.9
MOD_Ail_408	Industrial Chemicals & Resins Company	0	360,000	253,463	5.2	6.5
MOD_Ail_427	Jadawell Water Factory	11,052	4,722,222	3,319,722	0.0	17.0
MOD_Ail_437	Jotun Powder Coatings Saudi Arabia Company	9,880,000	5,955,900	4,186,999	0.0	21.5
MOD_Ail_461	Laqlaq Snacks Factory	217,500	360,000	253,085	0.1	1.4
MOD_Ail_471	Mahmoud Abdullah Factory for the Iron Production	1,282,655	360,000	253,463	5.2	6.5
MOD_Ail_487	Middle East Battery Company (MEBCO)	0	37,000,000	26,011,001	0.0	133.2
MOD_Ail_5	ABB Ltd.	0	370,800	260,672	0.0	1.3

MOD_Ail_502	Modern Factory for Steel Industries Co. Ltd	129,165,000	8,996,400	6,324,469	0.0	32.4
MOD_Ail_503	Modern Industries Company - Tide	47,672,760	63,890,604	44,935,309	360.0	590.0
MOD_Ail_51	Al Ittefaq Steel Factory	0	447,373,452	314,503,537	0.0	1,610.5
MOD_Ail_511	Modern Woodworks Factory	2,142,000,000	195,540	146,647	82.3	83.0
MOD_Ail_533	Nabhaa Factory for Industrial Rubber Products	0	9,840	6,935	0.1	0.2
MOD_Ail_553	National Plastic Ropes Factory	3,515,101	0	0	0.0	0.0
MOD_Ail_556	National Rubber Spare Parts Factory	360,985	490,800	345,032	0.0	1.8
MOD_Ail_563	Noor Factory for Cardboard & Packaging	10,213,200	6,385,116	4,488,737	0.0	23.0
MOD_Ail_573	Orange Zeb Kamar Factory for Wool Yarn	3,500,000	72,000	50,840	3.0	3.3
MOD_Ail_576	Othman Abdul Rahman Al-Ossaimi & Partners Trading Company	108,012,000	48,000,000	33,744,000	0.0	172.8
MOD_Ail_60	Al Razi Pharma Industry Factory	578,777	6,350,000	4,465,381	17.9	17.9
MOD_Ail_609	Redayat Co. Ltd. for Protective Coating	25,000,000	336,000	236,209	0.0	1.2
MOD_Ail_614	Riyadh Ceramics Factory	401,556,000	157,680,000	110,855,477	100.7	101.3
MOD_Ail_617	Rowad International Geosynthetics Co. Factory	20,700,000	14,040,000	9,870,186	0.9	51.4
MOD_Ail_644	Saudi Abrasives Factory	15,600,000	4,080,000	2,882,458	253.2	267.9
MOD_Ail_655	Saudi BASF for Building Materials Co.	50,446,920	35,397	25,267	5.2	5.3
MOD_Ail_671	Saudi Dairy and Foodstuff Company (SADAFCO)	0	0	0	0.0	0.0
MOD_Ail_676	Saudi Factory for Seamless Steel Pipes	0	10,800,000	7,598,804	114.0	152.9
MOD_Ail_680	Saudi Formica Sheets Company	9,196,200	3,783,600	2,660,829	12.9	26.5
MOD_Ail_683	Saudi Industrial Detergents Company (SIDCO)	9,381,932	4,417,200	3,105,292	0.0	15.9
MOD_Ail_684	Saudi Industrial Gas Co. (SIGAS)	0	5,555,556	3,905,556	0.0	20.0
MOD_Ail_701	Saudi New Zealand Milk Products Company (SNZMP)	0	8,080,938	5,681,708	11.6	40.7
MOD_Ail_710	Saudi Ready-mix Concrete Company	0	360,000	253,080	0.0	1.3
MOD_Ail_715	Saudi Steel Pipe Company (SSP)	8,696,855,000	259,802,880	182,662,207	357.5	1,292.8
MOD_Ail_724	Schlumberger Middle East Company	252,000	19,872,000	13,970,562	7.3	78.8
MOD_Ail_73	Al-Alia Chemicals Factory Company	60,000,000	504,000	354,456	1.9	3.7
MOD_Ail_732	Seven Stars Factory for Plastic Galvanizing and Packaging	84,000	533,333	374,995	0.5	2.4
MOD_Ail_736	Siemens Co., Ltd. Factory	131,595	5,688,581	3,999,073	0.0	20.5

MOD_All_737	Sigma Paints Saudi Arabia Co., Ltd.	12,638,047	540,000	379,620	0.0	1.9
MOD_All_739	Sinthomer Middle East Company	33,688,200	5,100,000	3,598,874	182.6	200.9
MOD_All_742	Sodium Silicate Factory	74,400,000	4,017,600	2,829,803	38.1	52.6
MOD_All_749	Springs Water Compnay Limited	15,031,537	12,798,000	8,996,994	0.0	46.1
MOD_All_756	Tabuk Pharmaceuticals Manufacturing Company	0	12,425,014	8,737,468	36.1	80.8
MOD_All_772	Technical Rubber Co. Ltd.	13,943,200	3,646,800	2,566,615	39.2	52.3
MOD_All_803	Universal Halon Treatment Factory	62,500	18,000	12,654	0.0	0.1
MOD_All_816	Watan Factory for Industrial Gases	11,123,116	168,000	118,104	0.0	0.6
MOD_All_823	Welspun Middle East Pipes Company Limited	0	0	0	0.0	0.0
MOD_All_832	Zakhraf International Factory for Wooden Furniture	270,470	0	0	0.0	0.0
MOD_All_835	Zamil Industrial Coatings Factory	0	1,522,440	1,070,277	0.0	5.5
MOD_All_838	Zamil Process Equipment Company (ZPEC)	9,600,000	3,172,900	2,231,120	7.8	19.3
MOD_All_97	Al-Iman Factory	0	277,778	195,278	0.0	1.0
MOD_All_64	Al Salama Radiator Factory	114,657,455	135,050,000	95,007,475	1,197.7	1,198.2
MOD_All_243	Bawan Wood Industries Co.	0	0	0	0.0	0.0
MOD_All_251	Bituminous Products Co. Ltd. (BITUMAT)	738,642,205	12,218,700	8,589,897	2.1	46.1
MOD_All_685	Saudi Intercoil Furniture Factory	6,688,476	567,360	399,037	2.5	4.5
MOD_All_738	Sika Watan Saudi Arabia Co., Ltd. Factory	1,282,655	360,000	253,463	5.2	6.5
MOD_All_833	Zamil Central Air Conditioners Co. Factory	6,898,238	11,964,083	8,413,129	32.2	75.0
MOD_All_539	Nasser Saeed Al Hajri Factory for Metal Formation	11,160,000	0	2,806	38.6	38.6
MOD_All_693	Saudi Light Food Co. Ltd.	73,536,000	15,078,629	10,610,264	177.9	230.4
MOD_All_736	Siemens Co., Ltd. Factory	66,502,155	5,688,581	3,999,073	0.0	20.5
MOD_All_747	Sponge Iron Factory	1,560,000,000	150,000,000	106,376,576	16,501.2	17,041.2

Based on the domain's weightage factor, each company was ranked and 30 such companies having higher score were selected for the second round of data collection.

**Table 6** Top 30 Companies to send the data questionnaire II

Company ID	Top 30 Company Name	Score	ISIC Division
MOD_All_503	Modern Industries Company - Tide	77.2	Manufacture of chemicals and chemical products
MOD_All_693	Saudi Light Food Co. Ltd.	75.7	Manufacture of food products
MOD_All_614	Riyadh Ceramics Factory	74.7	Manufacture of other non-metallic mineral products
MOD_All_64	Al Salama Radiator Factory	70.5	Manufacture of motor vehicles, trailers and semi-trailers
MOD_All_715	Saudi Steel Pipe Company (SSP)	68.7	Manufacture of fabricated metal products, except machinery and equipment
MOD_All_160	Al-Tuwairqi Energy Corporation	67.9	
MOD_All_747	Sponge Iron Factory	67.9	Manufacture of basic metals
MOD_All_17	Abdullah Mohamed Al-Nemr Factory for Iron Recycling and Forming	66.3	Manufacture of fabricated metal products, except machinery and equipment
MOD_All_749	Springs Water Compnay Limited	62.7	Manufacture of beverages
MOD_All_198	Arabian Fiberglass Insulation Co. (AFICO)	57.7	Manufacture of other non-metallic mineral products
MOD_All_739	Sinthomer Middle East Company	57.0	
MOD_All_369	Gulf Chemicals and Industrial Oils Co.	56.4	Manufacture of chemicals and chemical products
MOD_All_233	Bainehal Arab Food Co. Ltd.	56.4	Manufacture of food products
MOD_All_502	Modern Factory for Steel Industries Co. Ltd	56.2	Manufacture of fabricated metal products, except machinery and equipment
MOD_All_724	Schlumberger Middle East Company	55.8	Architectural and engineering activities; technical testing and analysis
MOD_All_192	Arab Paper Manufacturing Co. Ltd. - Waraq	55.6	Manufacture of paper and paper products
MOD_All_250	Bituminous Products Co. Ltd. (BITUMAT)	31.5	Manufacture of chemicals and chemical products
MOD_All_212	ARNON Plastic Industries Co. Factory	53.9	Manufacture of rubber and plastics products
MOD_All_617	Rowad International Geosynthetics Co. Factory	53.5	Manufacture of textiles
MOD_All_162	Al-Usaimi Iron and Steel Factory	52.9	Manufacture of basic metals
MOD_All_128	Al-Namozagya Co. for Precast Concrete systems	52.6	Manufacture of other non-metallic mineral products
MOD_All_342	Future Ceramic & Porcelain Company	51.9	Manufacture of rubber and plastics products
MOD_All_563	Noor Factory for Cardboard & Packaging	51.2	Manufacture of wood and of products of wood and cork, except furniture;

			manufacture of articles of straw and plaiting materials
MOD_AII_51	Al Ittefaq Steel Factory	51.1	Manufacture of fabricated metal products, except machinery and equipment
MOD_AII_511	Modern Woodworks Factory	50.7	Manufacture of wood and of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
MOD_AII_576	Othman Abdul Rahman Al-Ossaimi & Partners Trading Company	50.3	
MOD_AII_644	Saudi Abrasives Factory	47.1	Manufacture of chemicals and chemical products
MOD_AII_215	Asbak Factory for Building Materials	46.6	Specialized construction activities
MOD_AII_539	Nasser Saeed Al Hajri Factory for Metal Formation	46.2	Manufacture of fabricated metal products, except machinery and equipment
MOD_AII_383	Gulf Union Foods Company	46.1	Manufacture of food products



## Identifying Circularity potential for pilot 20 industries (data collection stage 2)

A detailed survey questionnaire built on the first data form was sent to the top 20 industries to gather the required database for identifying the circularity potential and ideas of the industries. The questionnaire was exhaustively designed based on the ReSOLVE framework principles, current processes, practices and potential of adopting mitigation methods as well as cost related questions. The domains for which the data was gathered were Raw Materials, Products, Waste, Water and Wastewater, Energy, Transportation, Distribution and storage, Infrastructure. The following 20 industries were sent the questionnaires to be filled for the CE roadmap.

**Table 7 Names of 20 industries considered for Circular Economy pilot**

Industry Name	Industry Sector
Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	Manufacture of other non-metallic mineral products
Arab Paper Manufacturing Co. Ltd. - Waraq	Manufacture of paper and paper products
Astra Industrial Complex Company for Fertilizers and Agricultural Pesticides	Manufacture of chemicals and chemical products
Future Ceramic & Porcelain Company	Manufacture of other non-metallic mineral products
Global Steel Dust Gulf Co.	Manufacture of basic metals
Jotun Powder Coatings Saudi Arabia Company	Manufacture of chemicals and chemical products
Middle East Battery Company (MEBCO)	Manufacture of electrical equipment
Modern Factory for Steel Industries Co. Ltd	Manufacture of fabricated metal products, except machinery and equipment
Modern Woodworks Factory	Manufacture of wood and wood products
National Steel Co. Ltd. - Watani	Manufacture of basic metals
Pinehill Arabia food limited	Manufacture of food products
Riyadh Ceramics Factory	Manufacture of other non-metallic mineral products
Saudi Industrial Detergents Company (SIDCO)	Manufacture of chemicals and chemical products
Saudi Metal Galvanization Factory	Manufacture of fabricated metal products, except machinery and equipment
Saudi New Zealand Milk Products Company (SNZMP)	Manufacture of food products
Saudi Paper Manufacturing Co.	Manufacture of paper and paper products
Saudi Ready-mix Concrete Company	Manufacture of other non-metallic mineral products
Saudi snack food company Pepsico	Manufacture of food products
Saudi Steel Pipe Company (SSP)	Manufacture of fabricated metal products
Zamil Central Air Conditioners Factory	Manufacture of electrical equipment

## Approach to build Circular Economy roadmap for pilot 20 industries

The ReSOLVE framework was adapted as a guiding framework for building a circular economy which encompasses an integrated holistic viewpoint to reduce, regenerate, repurpose, optimise, loop and share the resources as well as infrastructure. The below figure explains the principles:

**Figure 3 ReSOLVE Framework principles**

<b>Re</b>	Regenerate	Regenerating, restoring natural capital and returning nutrients back to the biosphere.
	Rethink	Rethink on our processes, approaches, fundamentals to opt for environmentally less detrimental materials, processes and products, to maintain the longevity of the same material use.
	Reduce	Reducing the usage of materials and resources in products and processes, based on the principles of efficiency and sufficiency
	Repair	Increase products life by repair model approach than disposing it, Promoting Modularity in new designs
	Repurpose/Reuse	Repurposing the waste or a discarded entity into a resource
	Recycle	Process materials and reuse or create new products
	Recover	Nutrient recovery and giving and using it back into the system
	Resource	Waste as a nutrient/resource, applying the principles of nature
<b>S</b>	Share	Share Infrastructure and services such as Buildings, Transport, Share Machineries and high end products between industries.
<b>O</b>	Optimize	Optimise system performance, resource usage, waste creation
<b>L</b>	Loop	Keep the products, resources in circles, prioritising inner loops.
<b>V</b>	Virtualize	Virtualizing and digitising systems, designs, services to reduce resource consumption.
<b>E</b>	Exchange	Exchange with renewable and less energy intensive and natural materials. Replacing product centric delivery models with new service centric ones.

Keeping these base principles, the Circular economy model for the 20 industries were perceived at two levels:

1. Industry level (Firm-firm level): Building circularity among the industries, both within and beyond, with focus on material sharing, recovery and re-introduction in the value chain to maintain a constant flow of materials as well as potential changes in the industries with an environmental perspective. This also includes infrastructure sharing leading to new service creation models.
2. Industrial city level (Park-firm level): Building Circularity among the natural resources at cluster levels in the industrial city and introducing new systems by sourcing it to industries through a service or revenue sharing model.

# Circular Economy Roadmap

The data received through the questionnaire survey was analysed and assessed based on its completeness and quality, following which the roadmap was built for each category Raw Materials, Products, Waste, Water and Wastewater, Energy, Transportation, Distribution and storage, Infrastructure. The findings based on analysis of the datasheets are in the table below:

**Table 8: Data assessment of the received data of questionnaires filled by the 20 companies**

[illegible]

Saudi Industrial Detergents Company (SIDCO)	0%	0%	0%	0%	0%	0%	0%	0%	0%
Riyadh Ceramics Factory	0%	0%	0%	0%	0%	0%	0%	0%	0%
Saudi Metal Galvanization Factory	44%	57%	73%	0%	0%	88%	100%	0%	45%
Saudi New Zealand Milk Products Company (SNZMP)	0%	0%	0%	0%	0%	0%	0%	0%	0%
Saudi Paper Manufacturing Co.	32%	64%	0%	0%	0%	83%	100%	0%	35%
Saudi Ready Mix Concrete Company - Ready Mix Division	35%	59%	0%	0%	0%	0%	100%	0%	24%
Saudi Ready Mix Concrete Company - Grinding Division	23%	67%	0%	0%	0%	0%	50%	0%	18%
Saudi Snack Food Company - Pepsico	0%	0%	0%	0%	0%	0%	0%	0%	0%
Saudi Steel Pipe Company (SSP)	7%	18%	0%	0%	68%	33%	100%	0%	28%
Zamil Central Air Conditioners Factory	48%	77%	73%	0%	54%	42%	100%	0%	49%
<b>Average (Mean)</b>	<b>17%</b>	<b>27%</b>	<b>7%</b>	<b>7%</b>	<b>11%</b>	<b>23%</b>	<b>69%</b>	<b>0%</b>	
<b>Median</b>	<b>16%</b>	<b>22%</b>	<b>0%</b>	<b>0%</b>	<b>0%</b>	<b>6%</b>	<b>100%</b>	<b>0%</b>	

The data assessment above infers the following:

- There is dearth of sufficient data as companies have not filled the questionnaire completely
- Out of 21 companies, 6 have not filled the questionnaire
- The average mean of the questions attended is not more than 50% by any factory, Zamil Central Airconditioner factory & Saudi Metal Galvanization factory have filled the questionnaire attending to maximum questions; followed by Saudi paper manufacturing and Modern Industries company.
- The companies have answered the most to the Distribution & Storage, Products, Transportation and Raw Materials domain's set of questions.
- The companies have not answered the Energy, Water & Wastewater, Waste and Infrastructure domain's set of questions.

Based on the available data, the corresponding recommendations have been made. This assessment directly reflects our roadmap where most of the recommendations have been for the answers attended by companies, and less recommendations for Energy, Infrastructure and Water & Wastewater.

Figure 4 Industrial Symbiosis between the 20 industries



The roadmap is structured in the following way:

1. Specific: These include recommendations of the ideas applicable to the 20 industries individually. It has two Circularity categories
  - A. Intra-circularity: These are closed loop ideas recommended for that specific industry for circularity within the industry.
  - B. Inter-circularity: These are open loop ideas recommended between two industries to set up Industrial symbiosis.
2. Generic: These include generic recommendations applicable to all the 20 industries as well as systemic recommendations in collaboration efforts with the industrial city. It has three categories
  - A. General recommendations for all the industries keeping ecological benefits as core principle
  - B. Industrial city level recommendations, including new collaborative relationships and products from the waste are suggested.

## Company Specific industry Circular Economy Roadmap

**Table 9 Specific Inter-Company Circular Economy Recommendations**

Sr. No.	Resource Category	ReSOLVE Category	Source Factory	Recipient Factory	Circularity Recommendations
1	By-product	Repurpose	Global Steel Dust Gulf Co.	National Steel Co. Ltd. - Watani	Repurpose Iron slag to the steel industry to replace DRI
2	By-product	Repurpose	National Steel Co. Ltd.	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	Repurpose Refractory waste as a substitute to Cement
3	By-product	Repurpose	National Steel Co. Ltd. - Watani	Saudi Ready-mix Concrete Company	Repurpose EAF slag as a substitute to Cement and white clinker
4	By-product	Repurpose	National Steel Co. Ltd. - Watani	Saudi Ready-mix Concrete Company	Repurpose Ladle slag as Limestone in construction industry
5	By-product	Repurpose	Saudi Metal Galvanization Factory	Any	Extract the zinc metal and repurpose fly ash for construction
6	By-product	Repurpose	Saudi Metal Galvanization Factory	Any	Use the zinc ash dust (from zinc dross) to manufacture zinc sulphate- fertilizer/ zinc oxide used in rubber and tyre

					industry
7	Distribution & Storage	Share	Saudi Ready-mix Concrete Company	Any	Share excess capacity of warehouse/container storage of non perishable & perishable items respectively, on a rental model
8	Transportation	Share	Saudi Paper Manufacturing Co.	Any	Sharing under utilized freight vehicles
9	Waste	Loop	Modern Factory for Steel Industries Co. Ltd	Saudi Paper Manufacturing Co.	Loop the wood waste into rawmaterial to reduce softwood pulp or new products
10	Waste	Recover	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	Any	Recover rubber in powdered form, Recovered Steel, Fibre, Oil, Gas,and Carbon Black from scrap tires.
11	Waste	Recover	National Steel Co. Ltd. - Watani	Saudi Metal Galvanization Factory	Recover from EAF dust, zinc and other metals and source it to metal industry
12	Waste	Recycle	Future Ceramic & Porcelain Company	Any	Recycle plastic, metal waste containers
13	Waste	Recycle	Future Ceramic & Porcelain Company	Saudi Ready-mix Concrete Company	Recycle construction and demolition waste to concrete
14	Waste	Recycle	Jotun Powder Coatings Saudi Arabia Company	Any	Resource plastic waste to plastic recycling industry
15	Waste	Recycle	Saudi Metal Galvanization Factory	Zamil Central Air Conditioners Factory	Resource steel scrap to electrical industry as galvanised steel sheets.
16	Waste	Repurpose	Future Ceramic & Porcelain Company	Arab Paper Manufacturing Co. Ltd. - Waraq	Repurpose cardboard waste to paper industry to reduce use of virgin material
17	Waste	Repurpose	Future Ceramic & Porcelain Company	Saudi Paper Manufacturing Co.	Repurpose wood and paper waste to replace softwood pulp in paper industry
18	Waste	Repurpose	Global Steel Dust Gulf Co.	Saudi Paper Manufacturing Co.	Repurpose wood and paper waste to reduce softwood pulp usage in paper industry
19	Waste	Repurpose	Jotun Powder Coatings Saudi Arabia Company	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	Repurpose polymer waste as aggregate in construction industry

20	Waste	Repurpose	Jotun Powder Coatings Saudi Arabia Company	Any	Generating compost from food waste in the industrial area.
21	Waste	Repurpose	Jotun Powder Coatings Saudi Arabia Company	Arab Paper Manufacturing Co. Ltd. - Waraq	Resource cardboard waste to paper industry as raw material
22	Waste	Repurpose	Jotun Powder Coatings Saudi Arabia Company	Saudi Paper Manufacturing Co.	Repurpose the paper and wood waste as rawmaterial to paper industry to reduce softwood pulp used
23	Waste	Repurpose	Modern Woodworks Factory	Saudi Ready-mix Concrete Company	Repurpose Sawdust, shavings as a substitute for sand in concrete
24	Waste	Repurpose	Riyadh Ceramics Factory	Arab Paper Manufacturing Co. Ltd. - Waraq	Repurpose cardboard waste to paper industry to reduce use of virgin material
25	Waste	Repurpose	Saudi Paper Manufacturing Co.	National Steel Co. Ltd. - Watani	Repurpose Iron waste to the steel industry to reduce DRI used
26	Waste	Repurpose	Saudi Paper Manufacturing Co.	Riyadh Ceramics Factory	Repurpose sludge from paper industries to replace kaolin, calcium carbonate in ceramic industry
27	Waste	Repurpose	Saudi Snack Food Company - Pepsico	Any	Production of activated carbon from sludge
28	Waste	Repurpose	Saudi Steel Pipe Company (SSP)	Saudi Paper Manufacturing Co.	Repurpose the paper and wood waste as rawmaterial to paper industry
29	Waste	Resource	Modern Factory for Steel Industries Co. Ltd	National Steel Co. Ltd. - Watani	Resource metal scrap to steel industry
30	Waste	Resource	National Steel Co. Ltd. - Watani	Saudi Paper Manufacturing Co.	Repurpose wood waste to paper industry
31	Waste	Resource	Saudi Metal Galvanization Factory	Saudi Industrial Detergents Company (SIDCO)	Resource Hydrochloric Acid to the chemical industry
32	Waste	Resource	Saudi Steel Pipe Company (SSP)	Any	Resource plastic waste to plastic recycling industry
33	Waste	Resource	Saudi Steel Pipe Company (SSP)	Jotun Powder Coatings Saudi Arabia Company	Resource plastic waste to produce polyester resin
34	Waste	Resource	Zamil Central Air Conditioners Factory	Arab Paper Manufacturing Co. Ltd. - Waraq	Resource cardboard waste to paper industry as raw material
35	Waste	Reuse	Saudi Snack Food Company - Pepsico	Any	Discarded palm oil from chip frying factories can be used after purification and bleaching in place of inedible



					tallow up to 30% to produce a fine toilet soap.
36	WasteWater	Repurpose	Saudi Paper Manufacturing Co.	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	Repurpose grits, dregs (from green liquor), ash into construction
37	WasteWater	Repurpose	Saudi Paper Manufacturing Co.	Any	Recover minerals, chemicals (sulphur, sodium, calcium, etc.) from the produced liquor/sludge
38	WasteWater	Repurpose	Saudi Paper Manufacturing Co.	Riyadh Ceramics Factory	Repurpose lime mud and dregs as raw material for ceramics

**Table 10 Specific Intra-Company Circular Economy Recommendations**

Sr. No.	Resource Category	System Type	ReSOLVE Category	Source Factory	Circularity Recommendations
1	By-product		Reuse	National Steel Co. Ltd. - Watani	Extract calcium from Ladle slag and reuse it as Lump lime
2	Energy		Optimize	Future Ceramic & Porcelain Company	Optimize energy use in manufacturing process
3	Energy		Recover	Future Ceramic & Porcelain Company	Recover waste heat from exhaust to reuse in the manufacturing process
4	Energy		Repurpose	Saudi Ready-mix Concrete Company	Utilization of waste heat from boilers, Kilns, power generation and for heating
5	Energy	Boilers/Heating System		Zamil Central Air Conditioners Factory	Feedwater Preheating Using Economizer
6	Energy	DG Set		Zamil Central Air Conditioners Factory	Ensuring Steady Load Conditions
7	Energy	DG Set		Zamil Central Air Conditioners Factory	Improving Air Filtration
8	Energy	Fan/Blower		Zamil Central Air Conditioners Factory	Cogged Raw Edged V Belts
9	Energy	Furnace		Zamil Central Air Conditioners Factory	Heat Loss Prevention from Openings
10	Energy	Furnace		Zamil Central Air Conditioners Factory	Minimizing Wall Losses
11	Energy	Furnace		Zamil Central Air Conditioners Factory	Optimal Capacity Utilization
12	Energy	Furnance		Zamil Central Air Conditioners Factory	Complete Combustion with Minimum Excess Air
13	Energy	HVAC		Zamil Central Air Conditioners Factory	Insulated Heat Exchangers
14	Energy	HVAC		Zamil Central Air Conditioners Factory	Water Softening for Water Cooled Condensers
15	Energy	Lightning	Reduce	Zamil Central Air Conditioners Factory	Localized Switching

16	Energy	Lightning	Reduce	Zamil Central Air Conditioners Factory	Reduction of Lighting Feeder Voltage
17	Energy	Lightning	Reduce	Zamil Central Air Conditioners Factory	Time Based Control
18	Energy	Pumping System		Zamil Central Air Conditioners Factory	Operation near Best Efficiency Point
19	Energy	Pumping System		Zamil Central Air Conditioners Factory	Provision of Adequate NPSH
20	Energy	Pumping System		Zamil Central Air Conditioners Factory	Replacement with Energy Efficient Equipment
21	Infrastructure		Optimize	Future Ceramic & Porcelain Company	Optimize the drying process by using Microwave assisted drying
22	Product		Loop	Modern Woodworks Factory	Take back system to receive the discarded wood waste and repurpose it
23	Product		Rethink	Modern Woodworks Factory	Rethink and Redesign the furniture or wood products in modular sizes
24	Product		Share	Pinehill Arabia Food Limited	Donate noodle packages reaching end of life
25	Product		Virtulaize	Saudi Snack Food Company - Pepsico	Digital Tracking of products along the entire supply chain
26	RawMaterial		Reduce	Saudi Paper Manufacturing Co.	Reduce chlorine based bleaching and shift to other enzyme substitutes for bleaching
27	RawMaterial		Regenerate	Saudi Snack Food Company - Pepsico	Source potatoes from vendors/farmers adopting regenerative farming methodology
28	RawMaterial		Rethink	Jotun Powder Coatings Saudi Arabia Company	Rethink fossil fuel based resins and switch to plant based resins
29	RawMaterial		Rethink	Jotun Powder Coatings Saudi Arabia Company	Use Circular polyester resins made out of recycled plastic
30	RawMaterial		Rethink	Jotun Powder Coatings Saudi Arabia Company	Use Supercritical CarbonDioxide (CO2) as Green Solvent
31	RawMaterial		Rethink	Modern Woodworks Factory	Procure wood from (direct/indirect) and through Sustainably managed forests
32	RawMaterial		Rethink	Modern Woodworks Factory	Shift from virgin wood to waste wood as a rawmaterial
33	RawMaterial		Rethink	Modern Woodworks Factory	Shift to Bio-based preservatives and adhesives for wood products
34	RawMaterial		Rethink	Modern Woodworks Factory	Use wood from locally grown trees and sustainably self-managed forests, rather than sourcing it from places of no control
35	RawMaterial		Rethink	Pinehill Arabia Food Limited	Replace noodle cups with biodegradable hot cups

36	RawMaterial		Rethink	Pinehill Arabia Food Limited	Replace plastic fork with bio degradable forks
37	RawMaterial		Rethink	Pinehill Arabia Food Limited	Replace wrapper used for packaging with biodegradable paper boxes
38	RawMaterial		Rethink	Saudi Metal Galvanization Factory	Reduce and substitute the toxic material, Acid with an ecofriendly alternative
39	RawMaterial		Rethink	Saudi Metal Galvanization Factory	Reduce the use of toxic materials - Ammonium Solution
40	RawMaterial		Rethink	Saudi Metal Galvanization Factory	Shift to bio alternatives from the fossil fuel based material, Diesel
41	RawMaterial		Rethink	Saudi Metal Galvanization Factory	Shift to Bio-thinners and reduce the use of chemical based Thinners
42	RawMaterial		Rethink	Saudi Paper Manufacturing Co.	Material pooling
43	RawMaterial		Rethink	Saudi Paper Manufacturing Co.	Materiality assessment
44	RawMaterial		Rethink	Saudi Paper Manufacturing Co.	R & D for alternative raw materials
45	RawMaterial		Rethink	Saudi Paper Manufacturing Co.	Rethink fossil fuel based wet strenghteners and shift to biobased wet strengtheners
46	RawMaterial		Rethink	Saudi Paper Manufacturing Co.	Shift from virgin to recycled paper manufacturing
47	RawMaterial		Rethink	Saudi Paper Manufacturing Co.	Source materials locally available
48	Transportation		Rethink	Global Steel Dust Gulf Co.	Switch to renewable fuel.
49	Transportation		Rethink	Jotun Powder Coatings Saudi Arabia Company	Encourage employees to shift to car pooling, public transport, company buses
50	Transportation		Rethink	Jotun Powder Coatings Saudi Arabia Company	Increase usage of railways by 10% for intercountry transportation of goods
51	Transportation		Rethink	Saudi Paper Manufacturing Co.	Adapt digital platforms to reduce transport without load and service interruption
52	Transportation		Rethink	Saudi Paper Manufacturing Co.	For intercountry transportation of goods, increase your usage of the railways
53	Waste		Loop	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	Loop back residual waste as cement or aggregates
54	Waste		Loop	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	Loop back the used oil through recycling

55	Waste		Loop	National Steel Co. Ltd. - Watani	Loop back the oil waste in the blast furnance
56	Waste		Loop	Riyadh Ceramics Factory	Loop back the ceramic waste into raw material
57	Waste		Loop	Saudi Snack Food Company - Pepsico	Loop back the containers and packaging waste into the system
58	Waste		Optimize	Jotun Powder Coatings Saudi Arabia Company	Optimize the use of waste as raw materials by collecting expired and discarded powder coatings products
59	Waste		Optimize	Pinehill Arabia Food Limited	Optimize wastage by using electronic shelf labels
60	Waste		Optimize	Saudi Snack Food Company - Pepsico	Optimize food waste by using electronic shelf labels on products
61	Waste		Optimize	Saudi Steel Pipe Company (SSP)	Optimize food waste by using electronic shelf labels
62	Waste		Recover	Saudi Snack Food Company - Pepsico	Recover starch from waste to produce starch derivatives like glucose syrup, starch cakes
63	Waste		Recover	Saudi Steel Pipe Company (SSP)	Recover the value of the metal processing residues through segregating and resourcing for its potential reuse
64	Waste		Recycle	Jotun Powder Coatings Saudi Arabia Company	Recycle polymer waste and reuse it as a substitute to polyster resin raw materials
65	Waste		Recycle	Saudi Snack Food Company - Pepsico	Food waste can be used in bio gas production
66	Waste		Reduce	Jotun Powder Coatings Saudi Arabia Company	Stabilization of hazardous waste/sludge by heat
67	Waste		Regenerate	Modern Factory for Steel Industries Co. Ltd	Generate energy from waste oils/ fats
68	Waste		Repurpose	Modern Factory for Steel Industries Co. Ltd	Reuse barrels/ drums/ containers and pallets
69	Waste		Repurpose	Modern Woodworks Factory	Repurpose wood chips/small pieces into Chipboard/Particle board products/woodwool panels/Woodwool cement boards
70	Waste		Repurpose	Pinehill Arabia Food Limited	Oil waste from the noodle waste can be converted into biodiesel by chemical and enzymatic methods
71	Waste		Repurpose	Saudi Snack Food Company - Pepsico	Potato peel can be used for producing low-value animal feed, fertilizer
72	Waste		Repurpose	Saudi Snack Food Company - Pepsico	Wood waste can be used in generating thermal energy (CHP- combined heat and power)

73	Waste		Resource	Global Steel Dust Gulf Co.	Generating compost from food waste in the industrial area.
74	Waste		Resource	Modern Woodworks Factory	Resource Wood residue into Wood pellets as a biofuel
75	Waste		Reuse	Jotun Powder Coatings Saudi Arabia Company	Reuse polymer/residual waste as additives
76	Waste		Reuse	Saudi Ready-mix Concrete Company	Reuse filter bags in cement and concrete industries
77	WasteWater		Reduce	Saudi Paper Manufacturing Co.	Treat and Reduce the black liquor (sludge) to grits, dregs, lime mud, ash to repurpose it for different uses
78	WasteWater		Reuse	Pinehill Arabia Food Limited	Wastewater treatment to remove starch, oil and noodle chunks to reuse water
79	Water		Reduce	Zamil Central Air Conditioners Factory	Low-flow Fixtures
80	Water		Reduce	Zamil Central Air Conditioners Factory	Water leak detection

## System (Park) Level Circular Economy Roadmap

**Table 11 Systemic-Level Specific Circular Economy Recommendations**

Sr. No.	Resource Category	ReSOLVE Category	Source Factory	Circularity Recommendations
1	Distribution & Storage	Share	Future Ceramic & Porcelain Company	Share the underutilized storage space with other industries
2	Distribution & Storage	Share	Global Steel Dust Gulf Co.	Share the under utilized storage area with other industries
3	RawMaterial	Recycle	Riyadh Ceramics Factory	Regenerate raw materials from the ceramic waste
4	Transportation	Share	Zamil Central Air Conditioners Factory	Share Forklift vehicles on a rental model
5	Waste	Recycle	Saudi Snack Food Company - Pepsico	Food waste can be used in bio gas production
6	Waste	Recycle	Saudi Snack Food Company - Pepsico	Wood waste can be recycled to wood products like wood flooring, balcony decks.
7	Waste	Repurpose	Saudi Snack Food Company - Pepsico	Food waste can be composted to be used in the industrial area
8	Waste	Repurpose	Saudi Snack Food Company - Pepsico	Treatment of sludge to use it for soil application.
9	Waste	Resource	Saudi Steel Pipe Company (SSP)	Generating compost from food waste in the industrial area.
10	Waste	Rethink	Saudi Steel Pipe Company (SSP)	Donate food products through donation networks and programs to reduce food wastage
11	WasteWater	Recycle	National Steel Co. Ltd. - Watani	Loop back water and waste water into manufacturing after their treatments.

**Table 12 Systemic-Level Generic Circular Economy Recommendations**

Sr. No.	Resource Category	ReSOLVE Category	Source Factory	Circularity Recommendations
1	Distribution & Storage			Share the under utilized storage area with other industries
2	Distribution & Storage			Share the under utilized storage space of other industries to meet the storage requirement
3	Energy	Regenerate	Saudi Metal Galvanization Factory	Use energy storage technologies
4	Energy	Regenerate	Saudi Metal Galvanization Factory	Use green electricity
5	Energy	Regenerate	Saudi Metal Galvanization Factory	Use heat derived from renewable technologies for heating purposes
6	Energy	Regenerate	Saudi Metal Galvanization Factory	Use of biomass for heating purposes
7	Energy	Rethink		Biogas plant to be set up for producing biofuel from food and landscape biomass
8	Energy	Rethink		Solar energy grid at a cluster level for gradual shift to renewable energy source
9	Infrastructure			Design and implement pallet pooling
10	Infrastructure	Rethink		Circular economy digital tracking system - connecting waste to resource
11	Infrastructure	Virtulize		Digitize as much as possible to reduce use of paper and packaging
12	Waste	Recycle		Recycled paver construction blocks from construction debris
13	Waste	Repurpose		Construction blocks from industrial waste such as slags, sludge, plastic waste, construction waste.
14	Waste	Repurpose		Generating organic fertilizer by composting food waste
15	Waste	Repurpose		Manufacture Bio-plastics and wet strengtheners from starch
16	Waste	Repurpose		Manufacture Circular Resins from plastic and polymer waste
17	Waste	Repurpose	Modern Factory for Steel Industries Co. Ltd	Reuse barrels/ drums/ containers and pallets
18	Waste	Rethink		Material exchange and recovery center at the industrial city level
19	Water	Rethink		Cluster level decentralized water recycling units

## Generic Circular Economy Recommendations

**Table 13 Company-Level Generic Circular Economy Recommendations**

Sr. No.	Resource Category	System Type	Circularity Recommendations
1	Energy		Air dryers
2	Energy		For pumping system have sequence control of multiple units
3	Energy		Hamonics Control - Tuned Harmonic Filters for electrical system
4	Energy		Have waste heat recovery system
5	Energy		Implement variable speed controls for fans, blowers and pumps
6	Energy		Improve lighting controls through installing occupancy sensors
7	Energy		Improve lighting controls through installing time based control mechanism
8	Energy		Improve the optimal control mechanisms for compressors
9	Energy		Improve the variable frequency drivers for motors
10	Energy		Install effimax 500
11	Energy		Motor efficiency improvement by slip power recovery systems
12	Energy		Reactive Power Compensation / Power Factor Improvement for electrical system
13	Energy		Upgrade to energy efficient motors
14	Energy	Boilers/Heating System	Automatic Blowdown Control
15	Energy	Boilers/Heating System	Biomass Fuels
16	Energy	Boilers/Heating System	Combustion Air Preheat
17	Energy	Boilers/Heating System	Concentrated Solar Power
18	Energy	Boilers/Heating System	Excess Air Control
19	Energy	Boilers/Heating System	Feedwater Preheating Using Economizer
20	Energy	Boilers/Heating System	Installation of Effimax 500
21	Energy	Boilers/Heating System	Installation of Flux Maxiox
22	Energy	Boilers/Heating System	Optimal Boiler Loading
23	Energy	Boilers/Heating System	Optimal Boiler Scheduling
24	Energy	Boilers/Heating System	Reduced Heat Loss Due to Evaporation of Water due to Hydrogen in Fuel
25	Energy	Boilers/Heating System	Reduced Heat Loss due to Moisture in Air



Sr. No.	Resource Category	System Type	Circularity Recommendations
26	Energy	Boilers/Heating System	Reduced Heat Loss due to Moisture in Fuel
27	Energy	Boilers/Heating System	Reduced Heat Loss due to Partial Conversion of C to CO
28	Energy	Boilers/Heating System	Reduced Heat Loss due to Radiation
29	Energy	Boilers/Heating System	Reduced Heat Loss in Dry Flue Gas
30	Energy	Boilers/Heating System	Reduced Stack Temperature
31	Energy	Boilers/Heating System	Reduced Steam Pressure
32	Energy	Boilers/Heating System	Replacement with Fluidized Bed Combustion Boiler (FBC)
33	Energy	Boilers/Heating System	Solar Water Heater
34	Energy	Boilers/Heating System	Timely Boiler Replacement
35	Energy	Boilers/Heating System	Use of Fuel Additives
36	Energy	Boilers/Heating System	Variable Speed Controls (VSD for Blowers)
37	Energy	Boilers/Heating System	Variable Speed Controls (VSD for Fans)
38	Energy	Boilers/Heating System	Variable Speed Controls (VSD for Pumps)
39	Energy	Boilers/Heating System	Waste Fuels
40	Energy	Compressor	Air Dryers
41	Energy	Compressor	Air Receivers
42	Energy	Compressor	Avoidance of Leakage
43	Energy	Compressor	Avoidance of Misuse of Compressed Air
44	Energy	Compressor	Compressed Air Filter
45	Energy	Compressor	Cool Air Intake
46	Energy	Compressor	Cooling Water Circuit Efficiency
47	Energy	Compressor	Dry Air Intake
48	Energy	Compressor	Dust Free Air Intake
49	Energy	Compressor	Inter and After-Cooler Efficiency
50	Energy	Compressor	Line Moisture Separator and Traps
51	Energy	Compressor	Lubricators
52	Energy	Compressor	Minimizing Pressure Drop in Air Lines/Fittings
53	Energy	Compressor	Modulation by Optimum Pressure Settings
54	Energy	Compressor	Optimal Capacity Control Mechanism
55	Energy	Compressor	Reducing Delivery Pressure
56	Energy	Compressor	Replacement with Blowers

Sr. No.	Resource Category	System Type	Circularity Recommendations
57	Energy	Compressor	Segregating Low and High Pressure Requirement
58	Energy	Cooling Tower	Appropriate Clearances to Minimize Air Intake or Exhaust Interference
59	Energy	Cooling Tower	Avoiding Excessive Fan Blade Clearance
60	Energy	Cooling Tower	Avoiding Uneven Fan Blade Clearance
61	Energy	Cooling Tower	Balanced Flow to Cooling Tower Hot Water Basins
62	Energy	Cooling Tower	Cooling Tower Fan Control based on Leaving Water Temperature
63	Energy	Cooling Tower	Covering Hot Water Basins to Prevent Algae Growth
64	Energy	Cooling Tower	Cycles-of-Concentration Improvement Measures
65	Energy	Cooling Tower	Increase Air Flow in Monsoon
66	Energy	Cooling Tower	Increased Water Flow in Summer
67	Energy	Cooling Tower	Nozzle Replacement for Uniform Flow Pattern
68	Energy	Cooling Tower	Optimal Fan Balance
69	Energy	Cooling Tower	Optimize Blowdown Rate in Accordance with COC Limit
70	Energy	Cooling Tower	Optimum Cooling Tower Fan Blade Angle
71	Energy	Cooling Tower	Preventative Maintenance Protocol Implementation
72	Energy	Cooling Tower	Replace Old Spray Nozzle with Square Spray ABS Non-Clogging Nozzles
73	Energy	Cooling Tower	Replace Slat Type Drift Eliminators with Low Pressure Drop, Self-Extinguishing, PVC Cellular Units
74	Energy	Cooling Tower	Replace Splash Bars with Self-Extinguishing PVC Cellular Film Fills
75	Energy	Cooling Tower	Segregate Sensitive Applications
76	Energy	Cooling Tower	Segregate High Heat Loads
77	Energy	DG Set	Cold Air Intake
78	Energy	DG Set	Ensuring Steady Load Conditions
79	Energy	DG Set	Improving Air Filtration
80	Energy	DG Set	Installation of Flux Maxiox
81	Energy	DG Set	Parallel Operation to Improve Loading
82	Energy	DG Set	Preventative Maintenance Protocol Implementation
83	Energy	DG Set	Regular Fuel Injection Pump Calibration
84	Energy	DG Set	Replacement with Biomass Gas
85	Energy	DG Set	steam generation, VAM system operation
86	Energy	DG Set	Tuning/Maintenance

Sr. No.	Resource Category	System Type	Circularity Recommendations
87	Energy	DG Set	Use of Fuel Additives
88	Energy	Electrical System	Distribution Loss Reduction
89	Energy	Electrical System	Energy Efficient Transformers
90	Energy	Electrical System	Harmonics Control
91	Energy	Electrical System	Maximum Demand Control
92	Energy	Electrical System	Reactive Power Compensation / Power Factor Improvement
93	Energy	Fan/Blower	Cogged Raw Edged V Belts
94	Energy	Fan/Blower	Duct System Improvements
95	Energy	Fan/Blower	Fan Speed Reduction/Derating
96	Energy	Fan/Blower	Flat Belts
97	Energy	Fan/Blower	FRP Impeller
98	Energy	Fan/Blower	High Efficiency Impeller
99	Energy	Fan/Blower	Impeller Derating
100	Energy	Fan/Blower	Inlet Guide Vanes
101	Energy	Fan/Blower	Leakage Reduction
102	Energy	Fan/Blower	Variable Speed Drives
103	Energy	Furnace	Complete Combustion with Minimum Excess Air
104	Energy	Furnace	Furnace Draft Control
105	Energy	Furnace	Heat Loss Prevention from Openings
106	Energy	Furnace	Minimizing Wall Losses
107	Energy	Furnace	Optimal Capacity Utilization
108	Energy	Furnace	Optimal Heat Distribution
109	Energy	Furnace	Optimal Operating Temperature
110	Energy	Furnace	Reduced Heat Loss in Furnace Flue Gas
111	Energy	Furnace	Use of Ceramic Coatings
112	Energy	HVAC	Adaptive Thermal Comfort Standard Adoption
113	Energy	HVAC	Cooling Tower Efficiency
114	Energy	HVAC	Direct Evaporative Cooling
115	Energy	HVAC	Film Fills in Cooling Towers
116	Energy	HVAC	Fog Cooled Condensers
117	Energy	HVAC	Forced Air Ventillation Systems

Sr. No.	Resource Category	System Type	Circularity Recommendations
118	Energy	HVAC	FRP Impellers in Cooling Towers
119	Energy	HVAC	Heat Recovery
120	Energy	HVAC	Indirect Evaporative Cooling
121	Energy	HVAC	Insulated Cold Lines
122	Energy	HVAC	Insulated Heat Exchangers
123	Energy	HVAC	Large Heat Exchangers
124	Energy	HVAC	Low-GWP Natural Refrigerants
125	Energy	HVAC	Maintenance of Heat Exchanger Surfaces
126	Energy	HVAC	Muti-Staging of Compressors
127	Energy	HVAC	Optimal Temperature Setpoint
128	Energy	HVAC	Preventative Maintenance Protocol Implementation
129	Energy	HVAC	PVC Drift Eliminators in Cooling Towers
130	Energy	HVAC	Radiant Cooling
131	Energy	HVAC	Relative Humidity Control through Indirect Heat Exchange
132	Energy	HVAC	Solar Heat Gain Reduction
133	Energy	HVAC	Solar Vapor Absorption Machines
134	Energy	HVAC	Structure Cooling
135	Energy	HVAC	Thermostorage
136	Energy	HVAC	Variable Frequency Drives (VFD for AHU)
137	Energy	HVAC	Variable Frequency Drives (VFD for Compressor)
138	Energy	HVAC	Variable Frequency Drives (VFD for Cooling Tower)
139	Energy	HVAC	VAV Systems
140	Energy	HVAC	VRF Systems
141	Energy	HVAC	Water Softening for Water Cooled Consensors
142	Energy	HVAC	Weather Stripping of Windows and Doors
143	Energy	Lighting	Daylighting
144	Energy	Lighting	De-Lamping to Reduce Excess Lighting
145	Energy	Lighting	Electronic Ballasts
146	Energy	Lighting	ILER Improvement
147	Energy	Lighting	Light Colored Interior Surfaces
148	Energy	Lighting	Localized Switching

Sr. No.	Resource Category	System Type	Circularity Recommendations
149	Energy	Lighting	Occupancy Sensors
150	Energy	Lighting	Preventative Maintenance Protocol Implementation
151	Energy	Lighting	Reduction of Lighting Feeder Voltage
152	Energy	Lighting	Solar Lighting
153	Energy	Lighting	Switching to High Efficiency Lamps and Luminaries
154	Energy	Lighting	Task Lighting
155	Energy	Lighting	Time Based Control
156	Energy	Motor	Energy Efficient Motors
157	Energy	Motor	Power Factor Correction
158	Energy	Motor	Preventative Maintenance Protocol Implementation
159	Energy	Motor	Reducing Under Loading
160	Energy	Motor	Slip Power Recovery Systems
161	Energy	Motor	Variable Frequency Drives (VFDs)
162	Energy	Pumping System	Avoidance of Running Multiple Pumps
163	Energy	Pumping System	Booster Pumps for Small Flow High Pressure Requirements
164	Energy	Pumping System	Increase Fluid Temperature Differential in Heat Exchangers
165	Energy	Pumping System	Operation near Best Efficiency Point
166	Energy	Pumping System	Preventative Maintenance Protocol Implementation
167	Energy	Pumping System	Provision of Adequate NPSH
168	Energy	Pumping System	Reduce Pumping Head by Avoidance of Free-Fall Return
169	Energy	Pumping System	Reduced System Resistance
170	Energy	Pumping System	Replacement with Energy Efficient Equipment
171	Energy	Pumping System	Sequence Control of Multiple Units
172	Energy	Pumping System	System Balancing
173	Energy	Pumping System	Throttling Minimization
174	Energy	Pumping System	Variable Frequency Drives (VFD for Pump Motor)
175	Energy	Pumping System	Variable Speed Drives (VSD for Pump Motor)
176	Energy	Refrigeration	Air Curtain
177	Energy	Refrigeration	Cold Store Building Design
178	Energy	Refrigeration	Compressor Capacity Control
179	Energy	Refrigeration	Heat Recovery

Sr. No.	Resource Category	System Type	Circularity Recommendations
180	Energy	Refrigeration	Strip Curtain
181	Energy	Steam System	Air Venting
182	Energy	Steam System	Condensate Recovery
183	Energy	Steam System	Direct Steam Injection
184	Energy	Steam System	Flash Steam Recovery
185	Energy	Steam System	Insulation (Pipeline)
186	Energy	Steam System	Insulation (Valves)
187	Energy	Steam System	Minimizing Heat Transfer Barriers
188	Energy	Steam System	Pipeline Redundancy Control
189	Energy	Steam System	Steam Demand Reduction
190	Energy	Steam System	Steam Leakage Reduction
191	Energy	Steam System	Wet Steam Reduction
192	Infrastructure		Efficiency upgrade through passive design
193	Product		Collaboration with all stake holders to improve and increase the product longevity
194	Product		Consideration of all stages of product, from design to disassembly (to minimal) disposal
195	Product		Consideration of Environmental impact and other externalities in product design
196	Product		Design products with high resilience, reparability, and reusability
197	Product		Integration of Take back policy
198	Product		Loop back the by-products into the system by engaging with other industries
199	RawMaterial		Better data management
200	RawMaterial		Conduct materiality assessment
201	RawMaterial		Do material pooling
202	RawMaterial		Have/ invest in R & D for alternative raw materials
203	RawMaterial		Improve the collaboration and communication with all stakeholders
204	RawMaterial		Optimise process automation
205	RawMaterial		Relocation of production facility close to raw material availability
206	RawMaterial		Source all materials locally
207	Transportation		Digital platforms to reduce transport without load and service interruption
208	Transportation		Encourage employees to shift to car pooling, public transport, company buses
209	Transportation		Implement a policy discouraging air travel
210	Transportation		Increase the intercountry transport of goods by rail

Sr. No.	Resource Category	System Type	Circularity Recommendations
211	Transportation		Shift to renewable fuel
212	Waste		Compliant with the laws/ rules on waste disposal
213	Waste		Conducting waste audits
214	Waste		Continuous evaluation & Monitoring of waste
215	Waste		Extracting the energy from waste
216	Waste		Improving the production process
217	Waste		Retrieval of valuable materials in waste
218	Waste		Training to all staff and workers
219	Waste		Upcycling/ downcycling of waste
220	Waste		Upgrading of technology/ machines
221	Waste		Waste segregation at source
222	WasteWater		Treated water reuse/ recycle
223	Water		Counter-current systems
224	Water		Dual-Cistern Flush Systems
225	Water		Improved spray nozzle/pressure rinsing
226	Water		Low-flow Fixtures
227	Water		Managed Irrigation/Gardening
228	Water		Production methodology/ technology upgrade
229	Water		Water leak detection

## Climate Pollution (GHG Emissions) Mitigation Potential

The recommendations outlined in the roadmap presented earlier were subjected to a life-cycle GHG Emissions assessment to ascertain the GHG mitigation / Climate Change impact potential of the circular economy recommendations. The outcomes of these analyses are presented below. The results emphatically underscore the imperative to rigorously and sincerely implement all significant circularity recommendations in order for the stakeholder and actors in the Modon Industrial City's management apparatus to ethically and responsibly contribute to Saudi Arabia's Climate Impact Mitigation Goals as declared through its INDCs. The mitigation analysis yields the compelling conclusion that Modon Industrial City can mitigate approximately 385,000 metric tonnes of CO<sub>2</sub> equivalents per year by undertaking the structural and operational transformations in adopting these circular economy recommendations.

It is morally and rationally irreproachable to state that these recommendations must be transformed rapidly from 'discourse' and roadmaps into praxis, into verifiable efforts in service of fostering wellbeing, climate justice, ecological justice and social justice in Saudi Arabia and for the entirety of our living planet which currently faces an existential threat due to our impending climate breakdown if we, human societies, do nothing.

**Table 14 GHG Mitigation Potential of Circularity Recommendations – ordered by Recommendation Potential (Descending)**

Source Factory	Circularity Recommendations	GHG Mitigation (tonnes CO <sub>2</sub> e/year)
National Steel Co. Ltd. - Watani	<a href="#">Repurpose EAF slag as a substitute to Cement and white clinker</a>	120,236
Modern Woodworks Factory	<a href="#">Procure wood from (direct/indirect) and through Sustainably managed forests</a>	112,753
Pinehill Arabia Food Limited	Replace noodle cups with biodegradable hot cups	43,003
National Steel Co. Ltd. - Watani	<a href="#">Extract calcium from Ladle slag and reuse it as Lump lime</a>	22,643
National Steel Co. Ltd. - Watani	<a href="#">Repurpose Ladle slag as Limestone in construction industry</a>	16,204
Pinehill Arabia Food Limited	Replace wrapper used for packaging with biodegradable paper boxes	15,488
Pinehill Arabia Food Limited	Replace plastic fork with bio degradable forks	10,031
Saudi Paper Manufacturing Co.	<a href="#">Shift from virgin to recycled paper manufacturing</a>	9,123
Saudi Snack Food Company - Pepsico	Production of activated carbon from sludge	5,682
Saudi Snack Food Company - Pepsico	Recover starch from waste to produce starch derivatives like glucose syrup, starch cakes	5,682
Saudi Snack Food Company - Pepsico	Treatment of sludge to use it for soil application.	5,682
Jotun Powder Coatings Saudi Arabia Company	<a href="#">Rethink fossil fuel based resins and switch to plant based resins</a>	4,965
Al-Manaraten Factory Insulated Concrete Blocks and	<a href="#">Loop back residual waste as cement or aggregates</a>	3,613



Source Factory	Circularity Recommendations	GHG Mitigation (tonnes CO2e/year)
Prefabricated Concrete Parts		
Pinehill Arabia Food Limited	Wastewater treatment to remove starch, oil and noodle chunks to reuse water	1,277
Saudi Paper Manufacturing Co.	Rethink fossil fuel based wet strengtheners and shift to biobased wet strengtheners	1,237
Saudi Paper Manufacturing Co.	<a href="#">Repurpose sludge from paper industries to replace kaolin, calcium carbonate in ceramic industry</a>	846
Saudi Snack Food Company - Pepsico	Food waste can be used in bio gas production	761
Saudi Snack Food Company - Pepsico	Food waste can be used in bio gas production	761
Riyadh Ceramics Factory	<a href="#">Loop back the ceramic waste into raw material</a>	760
Saudi Snack Food Company - Pepsico	<a href="#">Food waste can be composted to be used in the industrial area</a>	679
Saudi Paper Manufacturing Co.	<a href="#">Treat and Reduce the black liquor (sludge) to grits, dregs, lime mud, ash to repurpose it for different uses</a>	629
Saudi Snack Food Company - Pepsico	<a href="#">Source potatoes from vendors/farmers adopting regenerative farming methodology</a>	485
Saudi Metal Galvanization Factory	Resource Hydrochloric Acid to the chemical industry	422
Riyadh Ceramics Factory	<a href="#">Repurpose cardboard waste to paper industry to reduce use of virgin material</a>	324
Saudi Paper Manufacturing Co.	<a href="#">Reduce chlorine based bleaching and shift to other enzyme substitutes for bleaching</a>	230
Zamil Central Air Conditioners Factory	<a href="#">Resource cardboard waste to paper industry as raw material</a>	196
Modern Factory for Steel Industries Co. Ltd	<a href="#">Resource metal scrap to steel industry</a>	196
Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	<a href="#">Recover rubber in powdered form, Recovered Steel, Fibre, Oil, Gas, and Carbon Black from scrap tires.</a>	148
Jotun Powder Coatings Saudi Arabia Company	<a href="#">Resource cardboard waste to paper industry as raw material</a>	71
Jotun Powder Coatings Saudi Arabia Company	Repurpose the paper and wood waste as rawmaterial to paper industry to reduce softwood pulp used	44
Saudi Snack Food Company - Pepsico	Wood waste can be used in generating thermal energy (CHP- combined heat and power)	36
Saudi Snack Food Company - Pepsico	Wood waste can be recycled to wood products like wood flooring, balcony decks.	36
National Steel Co. Ltd. - Watani	<a href="#">Repurpose wood waste to paper industry</a>	26
Saudi Metal Galvanization Factory	<a href="#">Resource steel scrap to electrical industry as galvanised steel sheets.</a>	22
Saudi Paper Manufacturing Co.	Repurpose Iron waste to the steel industry to reduce DRI used	22
Saudi Steel Pipe Company (SSP)	<a href="#">Repurpose the paper and wood waste as rawmaterial to paper industry</a>	18
Jotun Powder Coatings Saudi Arabia Company	<a href="#">Recycle polymer waste and reuse it as a substitute to polyester resin raw materials</a>	18

Source Factory	Circularity Recommendations	GHG Mitigation (tonnes CO2e/year)
Jotun Powder Coatings Saudi Arabia Company	<a href="#">Repurpose polymer waste as aggregate in construction industry</a>	18
Jotun Powder Coatings Saudi Arabia Company	<a href="#">Reuse polymer/residual waste as additives</a>	18
Global Steel Dust Gulf Co.	<a href="#">Repurpose wood and paper waste to reduce softwood pulp usage in paper industry</a>	16
Saudi Snack Food Company - Pepsico	Discarded palm oil from chip frying factories can be used after purification and bleaching in place of inedible tallow up to 30% to produce a fine toilet soap.	15
Saudi Steel Pipe Company (SSP)	<a href="#">Recover the value of the metal processing residues through segregating and resourcing for its potential reuse</a>	14
National Steel Co. Ltd. - Watani	<a href="#">Repurpose Refractory waste as a substitute to Cement</a>	13
National Steel Co. Ltd. - Watani	<a href="#">Recover from EAF dust, zinc and other metals and source it to metal industry</a>	13
Saudi Snack Food Company - Pepsico	<a href="#">Loop back the containers and packaging waste into the system</a>	13
Jotun Powder Coatings Saudi Arabia Company	<a href="#">Generating compost from food waste in the industrial area.</a>	11
National Steel Co. Ltd. - Watani	<a href="#">Loop back the oil waste in the blast furnace</a>	10
Saudi Steel Pipe Company (SSP)	<a href="#">Generating compost from food waste in the industrial area.</a>	9
Saudi Metal Galvanization Factory	<a href="#">Reduce the use of toxic materials - Ammonium Solution</a>	8
Future Ceramic & Porcelain Company	Recycle plastic, metal waste containers	7
Saudi Steel Pipe Company (SSP)	Resource plastic waste to produce polyester resin	7
Jotun Powder Coatings Saudi Arabia Company	Resource plastic waste to plastic recycling industry	7
Saudi Steel Pipe Company (SSP)	Resource plastic waste to plastic recycling industry	6
Future Ceramic & Porcelain Company	<a href="#">Repurpose cardboard waste to paper industry to reduce use of virgin material</a>	5
Modern Factory for Steel Industries Co. Ltd	<a href="#">Generate energy from waste oils/ fats</a>	5
Future Ceramic & Porcelain Company	<a href="#">Recycle construction and demolition waste to concrete</a>	4
Global Steel Dust Gulf Co.	<a href="#">Generating compost from food waste in the industrial area.</a>	4
Modern Factory for Steel Industries Co. Ltd	<a href="#">Loop the wood waste into rawmaterial to reduce softwood pulp or new products</a>	3
Future Ceramic & Porcelain Company	<a href="#">Repurpose wood and paper waste to replace softwood pulp in paper industry</a>	2
Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	<a href="#">Loop back the used oil through recycling</a>	1
National Steel Co. Ltd. - Watani	<a href="#">Loop back water and waste water into manufacturing after their treatments.</a>	1

**Table 15 Company-Wide GHG Mitigation Potential – ordered by Total Mitigation Potential (Descending)**

Source Factory	GHG Mitigation (tonnes CO2e/year)
National Steel Co. Ltd. - Watani	159,145
Modern Woodworks Factory	112,753
Pinehill Arabia Food Limited	69,799
Saudi Snack Food Company - Pepsico	19,835
Saudi Paper Manufacturing Co.	12,087
Jotun Powder Coatings Saudi Arabia Company	5,151
Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	3,763
Riyadh Ceramics Factory	1,084
Saudi Metal Galvanization Factory	453
Modern Factory for Steel Industries Co. Ltd	204
Zamil Central Air Conditioners Factory	196
Saudi Steel Pipe Company (SSP)	53
Global Steel Dust Gulf Co.	20
Future Ceramic & Porcelain Company	18
Saudi Ready-mix Concrete Company	0

## Project Next steps

The recommendations include both for industries as well as the industrial city. Further steps would be demonstrating and orientation training specifically for the industries, the way forward is envisioned in the following steps:

1. Theoretical and Practical Training on Circular Economy Concepts through converting project experience into a case-study usable for pedagogical purposes
2. Identification of potential selection of Circular economy recommended ideas that can be developed and implemented, collectively by Al Madar and the industry for which it is recommended.
3. Facilitate development and brainstorming the feasibility models for the recommendations with the industry's, subject matter experts and the Modon.

Circular Economy for Industries is a systemic shift from linear to circular, which is a slow but a critical journey for the industries. Each recommendation is a project in itself. This endeavour is perceived to be spanning out in different phases for both Industrial city as well as 20 pilot industries to transit into the loop of 'Production-Use-Recycle/Repurpose' from the 'Take-Make-Waste'.

## Conclusion

The Circular economic model is currently promoted by national governments, European Union and several business organisations around the world, which is definitely a promising concept as it has been able to lure the business community to perceive sustainability in industrial production.

However, it has its limitations and challenges towards achieving environmental impact and addressing the current climate crisis.

Circular economy provides an alternative flow model, one that is cyclic. A cyclic flow does not secure a sustainable outcome for eg: For example, in the utilisation of forest residues from cuttings as a source for renewable energy and for substituting fossil fuel combustion, nutrient rich parts of the trees, twigs, needles, bark and branches are removed from the forest ecosystem where they would support ecosystem health, biodiversity and forest growth. This activity requires energy and machines that run on energy. The machine manufacturing process further requires energy and materials and produces wastes and byproducts. The possibility of complete recycling is a distant dream. According to the second law of thermodynamics, entropy, recycling is bound to generate waste, side products and require more energy than virgin material, which means increasing entropy and decreasing energy. The only infinite energy we have is the sun's energy, plants use less than 1% of energy in photosynthesis. Unless and until we reach cyclical material flows with renewable energy, sustainability cannot be guaranteed through CE. While CE in the case of industries for sure is a crucial step, but it is just a transition or an intermediate step, till the time we radicalise our economic systems beyond the core of production and reduce our consumption and reach to a level where we harness the infinite resources for energy.

Further down, the circular economic model has its limitations in achieving global net sustainability, as the physical flows of material, products, waste and energy cross organisational as well as geographical boundaries. These spatial systemic realities of globalisation can lead to imbalance of environmental detriment at one place with environmental impact reduction in another. Circular economy projects are most likely to have the desired impact at local or regional level at the most. The economies of scale have less potential of having a sustainable outcome.

One of the important aspects of CE is longevity of products usage through reuse, remanufacture, refurbishment, recycling, boasting of economic efficiency. All economic efficiencies are subject to rebound effects. With increase in production efficiency, the production cost will decrease with eventually low prices of end products, which most likely will boost the consumption. If the current consumption culture will not change, CE will remain as a technical tool that does not change the course of the current unsustainable economic paradigm. Circular economy cannot be viewed as an end, it definitely can be viewed as a first step towards Sustainability in Industries.

## Annex A

**Top 100 - Selection - Part A: based on ISIC Division Classification of a company being in top 10 most numerous percentiles of all ISIC Divisions of the total company population**

Company_ID	Company Name	ISIC Division	ISIC Group	ISIC Class	Manufacturing?	ISIC Division Count	ISIC Division Count 10%-ile Acceptance	Company considered?
MOD_All_1	Abahsain Cope Saudi Arabia Ltd Co.						No	No
MOD_All_2	Abahsain Specialized Industrial Co.Ltd	20	202	2029	Yes	84	Yes	Yes
MOD_All_3	Abahussain Niue Industrial Co. Ltd.	28	282	2829	Yes	38	Yes	Yes
MOD_All_4	Abaqer Company for Printing	18	181	1812	No	6	No	No
MOD_All_5	ABB Ltd.	27	271	2710	Yes	41	Yes	Yes
MOD_All_6	Abdel Basset Al-Hilal Est. for Maintenance and Contracting	71	711	7110	No	31	Yes	No
MOD_All_7	Abdul Rahman bin Abdul Latif Al Muaibed						No	No
MOD_All_8	Abdulaziz Abdullah Al-Rajhi Factory for Metal Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_9	Abdulaziz Ahmad Al-Fawzan Factory for Electrical Products	27	279	2790	Yes	41	Yes	Yes
MOD_All_10	Abdullah Abdulaziz Al-Rajhi Rubber Factory	22	221	2219	Yes	71	Yes	Yes
MOD_All_11	Abdullah Abunayyan Company						No	No
MOD_All_12	Abdullah Ali Al Saif Factory for Cement Products	20	202	2029	Yes	84	Yes	Yes

MOD_All_13	Abdullah Busbate & Partners Co., Ltd.						No	No
MOD_All_14	Abdullah Hammoud Al Shuwaier Sons Company Factory for Trading and Contracting / Metal Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_15	Abdullah Hashim Factory for Equipment and Gases	35	352	3520	Yes	16	Yes	Yes
MOD_All_16	Abdullah Ibrahim Al-Nafea Factory for Ready-made Garments	14	141	1410	Yes	4	No	No
MOD_All_17	Abdullah Mohamed Al-Nemr Factory for Iron Recycling and Forming	25	259	2599	Yes	138	Yes	Yes
MOD_All_18	Abr Al-Kahraba Factory for Electric Boards	27	279	2790	Yes	41	Yes	Yes
MOD_All_19	Abr Al-Khaleej Co. Factory for Industrial Systems	28	282	2829	Yes	38	Yes	Yes
MOD_All_20	Abr Al-Khaleej Co. for Environmental Solutions						No	No
MOD_All_21	Abr Al-Khaleej Co. Ltd. for Manufacturing Valves	25	259	2599	Yes	138	Yes	Yes
MOD_All_22	Abraq Factory for Printing and Packaging	18	181	1812	No	6	No	No
MOD_All_23	Abraq Factory for Printing and Packaging	22	222	2220	Yes	71	Yes	Yes
MOD_All_24	Abrasive Technology Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_25	Administrative Building-Cities	82	821	8211	No	3	No	No
MOD_All_26	Advanced Manufacturing for Metal & Glass Co.	23	231	2310	Yes	42	Yes	Yes
MOD_All_27	Advanced Manufacturing for Metal & Glass Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_28	Advanced Plastic Components Technologies Co. Factory for Polyethylene	20	201	2013	Yes	84	Yes	Yes

MOD_All_29	Advanced Valves Works Company Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_30	Adwaa Al-Rawafed Factory for Electric Industries	27	279	2790	Yes	41	Yes	Yes
MOD_All_31	Ahmed Gharam Allah Al-Ghamdi & Bros. Co. Factory for Paper Products	17	171	1701	Yes	19	Yes	Yes
MOD_All_32	Ahmed Gharam Allah Al-Ghamdi & Bros. Co. Factory for Paper Products	17	171	1709	Yes	19	Yes	Yes
MOD_All_33	Ahmed Nasser Albinali & Sons Factory						No	No
MOD_All_34	Ahmed Saeed Afifi & Partner Aluminium Factory Company	25	259	2599	Yes	138	Yes	Yes
MOD_All_35	Ahmed Saeed Afifi & Partner Factory for Melamine Panels	22	222	2220	Yes	71	Yes	Yes
MOD_All_36	Air Circulation Factory for Ventilation	28	282	2829	Yes	38	Yes	Yes
MOD_All_37	AISCell Saudi Arabia Company						No	No
MOD_All_38	Akram Khair Bader & Partner Factory for the Production of Packaging Pens	22	222	2220	Yes	71	Yes	Yes
MOD_All_39	Akzonobel Saudi Arabia Co. Ltd.	20	202	2029	Yes	84	Yes	Yes
MOD_All_40	Al Abbas Carton Factory	17	171	1709	Yes	19	Yes	Yes
MOD_All_41	Al Ajab Metal Galvanizing and Coating Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_42	Al Dehaim Factory for Photo Frames and Decor	32	321	3211	Yes	10	Yes	Yes
MOD_All_43	Al Derbas Asphalt Emulsion Co.	19	192	1920	Yes	2	No	No
MOD_All_44	Al Dossary Macaroni Factory	10	107	1074	Yes	41	Yes	Yes
MOD_All_45	Al Ebtakar for Packaging and Printing	18	181	1812	No	6	No	No

MOD_All_46	Al Fozan Steel Industries Company	25	259	2599	Yes	138	Yes	Yes
MOD_All_47	Al Fozan Wood Products Company	16	162	1629	Yes	16	Yes	Yes
MOD_All_48	Al Ghamdi Wood Industries Factory	16	162	1629	Yes	16	Yes	Yes
MOD_All_49	Al Hussaini Walihai Co. Factory for Insulation Panels	27	279	2790	Yes	41	Yes	Yes
MOD_All_50	Al Huwail Factory for Tire Retreading	22	221	2211	Yes	71	Yes	Yes
MOD_All_51	Al Ittefaq Steel Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_52	Al Kanafany Original Konafa Co.						No	No
MOD_All_53	Al Kuhaimi Metal Industries Factory (KMI)	25	259	2599	Yes	138	Yes	Yes
MOD_All_54	Al Matroud Factory For Food Powders	10	107	1079	Yes	41	Yes	Yes
MOD_All_55	Al Muhaidib Technical Services Co. Factory	28	282	2829	Yes	38	Yes	Yes
MOD_All_56	Al Nour Sun & Medical Lenses Factory	26	267	2670	Yes	1	No	No
MOD_All_57	Al Rashed Fasteners and Engineering Fabrication Services	25	259	2599	Yes	138	Yes	Yes
MOD_All_58	Al Rashed Fasteners and Fabrication Services Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_59	Al Rasheed Aluminium Kitchens Factory Co.	31	310	3100	Yes	15	Yes	Yes
MOD_All_60	Al Razi Pharma Industry Factory	21	210	2100	Yes	5	No	No
MOD_All_61	Al Rida Carton Packaging Factory	17	171	1709	Yes	19	Yes	Yes
MOD_All_62	Al Rumaih Furniture Manufacturing Factory	31	310	3100	Yes	15	Yes	Yes
MOD_All_63	Al Rumaih Spring Mattress Factory	31	310	3100	Yes	15	Yes	Yes
MOD_All_64	Al Salama Radiator Factory	29	293	2930	Yes	8	Yes	Yes



MOD_All_65	Al Shaheen Metal Industries Co. Ltd.	25	259	2599	Yes	138	Yes	Yes
MOD_All_66	Al Shubrumyah Aerosol Factory	20	202	2023	Yes	84	Yes	Yes
MOD_All_67	Al Yashmac Readymade Garments Factory	14	141	1410	Yes	4	No	No
MOD_All_68	Al- Ofoq Al-Ali Factory for Propagandas and Advertisments	18	181	1812	No	6	No	No
MOD_All_69	Al- Yamama Steel Industries Co. Ltd.	25	251	2511	Yes	138	Yes	Yes
MOD_All_70	Al-Abdul Rahman Plastic Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_71	Al-Alamia Electrical Products Factory	27	279	2790	Yes	41	Yes	Yes
MOD_All_72	Al-Alamia Factory for Chemical Additives	20	202	2029	Yes	84	Yes	Yes
MOD_All_73	Al-Alia Chemicals Factory Company	20	202	2029	Yes	84	Yes	Yes
MOD_All_74	Al-Andalus Aluminium Extrusion & Forming Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_75	Al-Aqeer Gypsum Factory	23	239	2392	Yes	42	Yes	Yes
MOD_All_76	Al-Asri Electrical Equipment & Transformers Factory	27	271	2710	Yes	41	Yes	Yes
MOD_All_77	Al-Baha Factory for Air-Conditioning Units	28	282	2829	Yes	38	Yes	Yes
MOD_All_78	Al-Bakhit bin Hassan Saleh Al-Rashidi						No	No
MOD_All_79	Al-Bandariah International Metal Industries Company Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_80	Al-Banger Factory for Plastics Ltd.	22	222	2220	Yes	71	Yes	Yes
MOD_All_81	Al-Bilad Fire Fighting Systems Co. Ltd.	32	329	3290	Yes	10	Yes	Yes
MOD_All_82	Al-Dabal Scaffolding Factory	25	259	2599	Yes	138	Yes	Yes

MOD_All_83	Al-Dabal Scaffolding Factory	43	439	4390	No	18	Yes	No
MOD_All_84	Al-Deqa Factory for the Manufacture of Flanges and Pipe Fittings	25	259	2599	Yes	138	Yes	Yes
MOD_All_85	Al-Faisal Steel Industries Factory	24	243	2431	Yes	8	Yes	Yes
MOD_All_86	Al-Faisal Steel Industries Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_87	Al-Hadara Wood Industries Co.	16	162	1629	Yes	16	Yes	Yes
MOD_All_88	Al-Hamd Factory for Aluminium Foil	25	259	2599	Yes	138	Yes	Yes
MOD_All_89	Al-Hamd Factory for Tissue Paper & Blotting Paper	17	171	1709	Yes	19	Yes	Yes
MOD_All_90	Al-Hasamahia Fiberglass Factory	23	231	2310	Yes	42	Yes	Yes
MOD_All_91	Al-Hayat Carpet Factory	13	139	1393	Yes	14	Yes	Yes
MOD_All_92	Al-Hayat Pharmaceuticals Factory	21	210	2100	Yes	5	No	No
MOD_All_93	Al-Hedmol Trading Establishment						No	No
MOD_All_94	Al-Hilal Modern Plastic Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_95	Al-Hirafi Al-Maher Factory for Wood Industries	16	162	1629	Yes	16	Yes	Yes
MOD_All_96	Al-Hoot Gulf Factory for Prefabricated Houses	43	439	4390	No	18	Yes	No
MOD_All_97	Al-Iman Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_98	Al-Iman Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_99	Al-Jabal Factory for Tahini and Tahini Halva	10	107	1073	Yes	41	Yes	Yes
MOD_All_100	Al-Jadid Global Factory for Plastic & Metal Recycling	22	222	2220	Yes	71	Yes	Yes

MOD_All_101	Al-Jadid Global Factory for Plastic & Metal Recycling	38	383	3830	Yes	4	No	No
MOD_All_102	Al-Jamal Al-Sharqi Factory for Cosmetics	46	464	4649	No	17	Yes	No
MOD_All_103	Al-Jazea Factory for the Production of Polyethylene Pipes	23	239	2399	Yes	42	Yes	Yes
MOD_All_104	Al-Jazi Bint Hazzaa Al-Raweesh Factory for plastic industries	22	222	2220	Yes	71	Yes	Yes
MOD_All_105	Al-Jazira Factory for Rebar Coating	25	259	2599	Yes	138	Yes	Yes
MOD_All_106	Al-Jazirah Technology Furniture Factory	31	310	3100	Yes	15	Yes	Yes
MOD_All_107	Al-Joaib Factory for Wooden and Metal Furniture	16	162	1629	Yes	16	Yes	Yes
MOD_All_108	Al-Joaib Plastic and Rubber Factory	22	221	2219	Yes	71	Yes	Yes
MOD_All_109	Al-Jubail Factory for Pastries and Sweets	10	107	1073	Yes	41	Yes	Yes
MOD_All_110	Al-Kaabi Ironware Manufacturing and Coating Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_111	Al-Khabar Advanced Co. for Support Services						No	No
MOD_All_112	Al-Khair Plastic Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_113	Al-Khalidiya Factory for Plastic Processing	22	222	2220	Yes	71	Yes	Yes
MOD_All_114	Al-Kharif Factory for Re-engineering and Spare Parts Production	32	329	3290	Yes	10	Yes	Yes
MOD_All_115	Al-Kharif Petroleum Co.	46	466	4661	No	17	Yes	No
MOD_All_116	Al-Kharif Petroleum Co. for Submersible Electric Pumps	46	469	4690	No	17	Yes	No
MOD_All_117	Al-Lamaa Wooden and Metal Furniture Factory	16	162	1629	Yes	16	Yes	Yes

MOD_All_118	Al-Magul Factory for Oxidized Asphalt and Insulation Material	19	192	1920	Yes	2	No	No
MOD_All_119	Al-Majdouie Steel Industries Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_120	Al-Mamlaka Chocolate and Confectionery Factory	10	107	1073	Yes	41	Yes	Yes
MOD_All_121	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	23	239	2392	Yes	42	Yes	Yes
MOD_All_122	Al-Marefa Distinguished Factory for Air Channels						No	No
MOD_All_123	Al-Masalah Air Conditioners Factory	20	202	2023	Yes	84	Yes	Yes
MOD_All_124	Al-Moahala Plastics Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_125	Al-Mohandeson Al-Saudion Factory for Metal Development	25	259	2599	Yes	138	Yes	Yes
MOD_All_126	Al-Mona Cans Industry Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_127	Al-Mona Establishment for Tahini Halva Production	10	107	1073	Yes	41	Yes	Yes
MOD_All_128	Al-Namozagya Co. for Precast Concrete systems	23	239	2395	Yes	42	Yes	Yes
MOD_All_129	Al-Nisr Al-Aswad International Factory						No	No
MOD_All_130	Al-Nojoom Al-Motahada Factory for Transport and Contracting	52	522	5229	No	4	No	No
MOD_All_131	Al-Olayan Aluminum Kitchen Palace Factory	31	310	3100	Yes	15	Yes	Yes
MOD_All_132	Al-Osaimi Industrial Iron Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_133	Al-Qabbani Commercial Center Factory for Sweets	10	107	1073	Yes	41	Yes	Yes

MOD_All_134	Al-Qasr Mattresses and Bedspreads Factory	31	310	3100	Yes	15	Yes	Yes
MOD_All_135	Al-Raja Factory For Manufacturing Computer Paper	17	171	1709	Yes	19	Yes	Yes
MOD_All_136	Al-Rimal Al-Sharqia Factory Co.	22	222	2220	Yes	71	Yes	Yes
MOD_All_137	Al-Rimal Al-Sharqia Factory Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_138	Al-Rouf Electrical Accessories Factory	27	279	2790	Yes	41	Yes	Yes
MOD_All_139	Al-Saidi Factory for Cleaning Products	20	202	2023	Yes	84	Yes	Yes
MOD_All_140	Al-Sail Water Factory	11	110	1104	Yes	8	Yes	Yes
MOD_All_141	Al-Samaani Factory for Car Bodies and Prefabricated Homes	43	439	4390	No	18	Yes	No
MOD_All_142	Al-Sayani Company Limited Branch						No	No
MOD_All_143	Al-Shamrani Trading & Industry Co. Factory						No	No
MOD_All_144	Al-Sharqia Heaters Factory	27	275	2750	Yes	41	Yes	Yes
MOD_All_145	Al-Sharqiya aluminum extrusion Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_146	Al-Sharqiya Carton Manufacturing Factory - Esernbak	17	171	1702	Yes	19	Yes	Yes
MOD_All_147	Al-Sharqiya Cement Products Factory	43	439	4390	No	18	Yes	No
MOD_All_148	Al-Sharqiya Establishment for Metal lifting Platforms and Steel Plates	25	259	2599	Yes	138	Yes	Yes
MOD_All_149	Al-Sharqiya Establishment for Metal lifting Platforms and Steel Plates	28	281	2816	Yes	38	Yes	Yes
MOD_All_150	Al-Sharqiya Foods Factory	10	107	1079	Yes	41	Yes	Yes

MOD_All_151	Al-Sharqiya Platforms Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_152	Al-Sharqiya United Co. Factory for Valves	25	259	2599	Yes	138	Yes	Yes
MOD_All_153	Al-Smou Factory Company for the Production of Drinking Water Limited	11	110	1104	Yes	8	Yes	Yes
MOD_All_154	Al-Tagbeer Global Factory Co.						No	No
MOD_All_155	Al-Takamul Modern Contracting Co.	71	711	7110	No	31	Yes	No
MOD_All_156	Al-Teknia Al-Alia for Pressure Vessels and Heat Exchangers	28	282	2829	Yes	38	Yes	Yes
MOD_All_157	Al-Telal Saudi Factory for Metal Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_158	Al-Thalaga International Company						No	No
MOD_All_159	Al-Theyab Marketing Co. Ltd.	73	732	7320	No	1	No	No
MOD_All_160	Al-Tuwairqi Energy Corporation						No	No
MOD_All_161	Al-Tuwairqi Mosque	94	949	9491	No	4	No	No
MOD_All_162	Al-Usaimi Iron and Steel Factory	24	243	2431	Yes	8	Yes	Yes
MOD_All_163	Al-Usaimi Iron and Steel Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_164	Al-Wahd Car Body Manufacturing Co.	29	293	2930	Yes	8	Yes	Yes
MOD_All_165	Al-Yarmouk Al-Sharqiya Factory for the production of Electrical Distribution Panels and Transfer Stations	27	279	2790	Yes	41	Yes	Yes
MOD_All_166	Al-Yarmouk Al-Sharqiya Wooden Platforms Factory	16	162	1629	Yes	16	Yes	Yes
MOD_All_167	Alaa Al Jazeera for Elevators & Escalators	27	271	2710	Yes	41	Yes	Yes

MOD_All_168	Alam Al-Muntazah Factory for Food Industries	10	107	1079	Yes	41	Yes	Yes
MOD_All_169	Alam Al-Muntazah Holding Company						No	No
MOD_All_170	Alassad Steel Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_171	Albattal Chemical Industries Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_172	Ali and Reda Mohamed Al Ferdan Co. Factory for Boats Production	30	301	3011	Yes	1	No	No
MOD_All_173	Ali Hassan Al-Saud & Sons Co. Factory for Industrial Marble and Granite	43	433	4330	No	18	Yes	No
MOD_All_174	Ali Hassan Al-Saud & Sons Co. for Industrial Marble and Granite	20	202	2029	Yes	84	Yes	Yes
MOD_All_175	Ali Salem Al-Khaldi Factory for the Manufacture of Buildings Facades	43	439	4390	No	18	Yes	No
MOD_All_176	Almana Medical Polyclinic	86	861	8610	No	1	No	No
MOD_All_177	Alp La Middle East Plastic Company Saudi Arabia	22	222	2220	Yes	71	Yes	Yes
MOD_All_178	Alterra Arabia Co. Ltd						No	No
MOD_All_179	Aluminum and Wrought Iron Engineering Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_180	Aluminum Manufacturing Co., Ltd (Alumaco)	25	259	2599	Yes	138	Yes	Yes
MOD_All_181	Alwan Lotus Paints Factory Ltd	20	202	2022	Yes	84	Yes	Yes
MOD_All_182	Aman and Hemaya Factory for the manufacture of explosion and fire resistant electric materials	23	239	2399	Yes	42	Yes	Yes
MOD_All_183	Amd Al-Benaa Trading Est.						No	No

MOD_All_184	Amwaj Al-Seef Factory for Shades Manufacturing	25	259	2599	Yes	138	Yes	Yes
MOD_All_185	Amwaj Al-Seef Factory for Shades Manufacturing	32	329	3290	Yes	10	Yes	Yes
MOD_All_186	Anjad Plastic Industries Factory Co.	22	222	2220	Yes	71	Yes	Yes
MOD_All_187	Arab Daris Raed Company						No	No
MOD_All_188	Arab Dynamic Solutions Consulting & Research Company	71	711	7110	No	31	Yes	No
MOD_All_189	Arab Industrial Calibration Company	71	712	7120	No	31	Yes	No
MOD_All_190	Arab Iron Works Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_191	Arab National Bank (ANB)	64	641	6419	No	7	No	No
MOD_All_192	Arab Paper Manufacturing Co. Ltd. - Waraq	17	171	1709	Yes	19	Yes	Yes
MOD_All_193	Arab Paper Manufacturing Co. Ltd. - Waraq	27	279	2790	Yes	41	Yes	Yes
MOD_All_194	Arab Spinning, Textile and Blankets Company	13	139	1393	Yes	14	Yes	Yes
MOD_All_195	Arab Spinning, Textile and Blankets Company	13	139	1399	Yes	14	Yes	Yes
MOD_All_196	Arabian Company Factory for Water Pipe Industry	22	222	2220	Yes	71	Yes	Yes
MOD_All_197	Arabian Company for Equipment Industries and Drilling Rigs	46	469	4690	No	17	Yes	No
MOD_All_198	Arabian Fiberglass Insulation Co. (AFICO)	23	231	2310	Yes	42	Yes	Yes
MOD_All_199	Arabian Galvanizing Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_200	Arabian Newkot Company						No	No
MOD_All_201	Arabian Point Eight Power Co.						No	No



MOD_All_202	Arabian Qodra Company						No	No
MOD_All_203	Arabian Refractories Factory CO.	23	239	2395	Yes	42	Yes	Yes
MOD_All_204	Arabian Refractories Factory CO.	25	259	2599	Yes	138	Yes	Yes
MOD_All_205	Arabian Transformers Co.	27	271	2710	Yes	41	Yes	Yes
MOD_All_206	Aran Business Co. Ltd.						No	No
MOD_All_207	ARASCO Chemicals Factory (ARCHEM)	20	202	2029	Yes	84	Yes	Yes
MOD_All_208	ARASCO Factory for Chemical Industries (Archem)	20	202	2029	Yes	84	Yes	Yes
MOD_All_209	Arkaz Alsharq Building Materials Co. Factory	43	439	4390	No	18	Yes	No
MOD_All_210	ARKAZ Factory for Engineering Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_211	ARKAZ Factory for Engineering Industries	28	282	2829	Yes	38	Yes	Yes
MOD_All_212	ARNON Plastic Industries Co. Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_213	Asamco Aluminium Systems Factory	23	239	2399	Yes	42	Yes	Yes
MOD_All_214	Asamco Aluminium Systems Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_215	Asbak Factory for Building Materials	43	439	4390	No	18	Yes	No
MOD_All_216	Asdaf Shadan Kitchens Factory	31	310	3100	Yes	15	Yes	Yes
MOD_All_217	Astra Industrial Complex Company for Fertilizers and Agricultural Pesticides	20	202	2029	Yes	84	Yes	Yes
MOD_All_218	Astra Industrial Factory for Fertilizers and Pesticides	20	201	2012	Yes	84	Yes	Yes
MOD_All_219	Astra Polymer Compounding Co.	20	202	2029	Yes	84	Yes	Yes

MOD_All_220	Aswar Factory for the Production of Nets	13	139	1394	Yes	14	Yes	Yes
MOD_All_221	Aujan Factory for Rani and Femto Refreshments	11	110	1104	Yes	8	Yes	Yes
MOD_All_222	Australian Arab Laboratory Services Company	71	712	7120	No	31	Yes	No
MOD_All_223	Axles, Foundries & Spare Parts Factory	24	243	2431	Yes	8	Yes	Yes
MOD_All_224	Axles, Foundries & Spare Parts Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_225	Azer Petroleum Contracting Company						No	No
MOD_All_226	Azman Steel Co.	25	251	2511	Yes	138	Yes	Yes
MOD_All_227	Azman Steel Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_228	Azman Steel Galvanization Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_229	Baby Items & Metal Products Factory	31	310	3100	Yes	15	Yes	Yes
MOD_All_230	Baby Items & Metal Products Factory	32	324	3240	Yes	10	Yes	Yes
MOD_All_231	Bader Nasser Rashid Al Tukhaim Factory for Steel Sectors	25	259	2599	Yes	138	Yes	Yes
MOD_All_232	Badr Sulaiman Al Nahdi Trading Establishment						No	No
MOD_All_233	Bainehal Arab Food Co. Ltd.	10	107	1071	Yes	41	Yes	Yes
MOD_All_234	Bainehal Arab Food Co. Ltd.	10	107	1079	Yes	41	Yes	Yes
MOD_All_235	Baker Petroleum Saudi Company Ltd	71	711	7110	No	31	Yes	No
MOD_All_236	Balhamer Factory For Granite Powder	23	239	2399	Yes	42	Yes	Yes
MOD_All_237	Balhamer Factory for Wood Paint	20	202	2022	Yes	84	Yes	Yes
MOD_All_238	Balhamer Roller & Brush Factory	28	282	2829	Yes	38	Yes	Yes

MOD_All_239	Bandariyah International Co. Ltd. (BIC)						No	No
MOD_All_240	Batook Chewing Gum Co.	10	107	1079	Yes	41	Yes	Yes
MOD_All_241	Bawabat Al-Masmak Factory for Metal and Wood Industries	16	162	1629	Yes	16	Yes	Yes
MOD_All_242	Bawan Company Ltd.						No	No
MOD_All_243	Bawan Wood Industries Co.	16	162	1629	Yes	16	Yes	Yes
MOD_All_244	Baxter Co. Ltd. (BCL)	20	202	2029	Yes	84	Yes	Yes
MOD_All_245	Bedon Esm Factory for Garment Industry	14	141	1410	Yes	4	No	No
MOD_All_246	Bina Advanced Concrete Products Company Factory	43	439	4390	No	18	Yes	No
MOD_All_247	Bina Advanced Concrete Products Factory	43	439	4390	No	18	Yes	No
MOD_All_248	Biochemical Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_249	Bischof + Klein Middle East Co.						No	No
MOD_All_250	Bituminous Products Co. Ltd. (BITUMAT)	20	202	2022	Yes	84	Yes	Yes
MOD_All_251	Bituminous Products Co. Ltd. (BITUMAT)	20	202	2029	Yes	84	Yes	Yes
MOD_All_252	Black Arrow Factory for Detergents	20	202	2023	Yes	84	Yes	Yes
MOD_All_253	Black Arrow Factory for Kitchens	31	310	3100	Yes	15	Yes	Yes
MOD_All_254	Blast Powell Arab Co. Ltd.	71	711	7110	No	31	Yes	No
MOD_All_255	Bo Won Lee Factory for Steel Constructions and Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_256	Bostani Chocolate & Gifts Factory Co.	10	107	1073	Yes	41	Yes	Yes

MOD_All_257	Branch of BRC Saudi Arabia Industrial Co., Ltd						No	No
MOD_All_258	Branch of Cooper Industries Middle East Company LLC						No	No
MOD_All_259	Branch of Frisco Arabia Trading Company,						No	No
MOD_All_260	Branch of Makhabez Al-Hatab Co., Ltd.						No	No
MOD_All_261	Branch of the General Electric International, Inc.	27	279	2790	Yes	41	Yes	Yes
MOD_All_262	Building Components Company	43	439	4390	No	18	Yes	No
MOD_All_263	Building Materials Industries Technology Company Factory	43	439	4390	No	18	Yes	No
MOD_All_264	Canary Factory for Chemical Detergent and Disinfectants	20	202	2029	Yes	84	Yes	Yes
MOD_All_265	Cathodic Protection Systems Factory Co., Ltd.						No	No
MOD_All_266	Ceaser Saudi Arabia Company						No	No
MOD_All_267	Champion Arab Company Factory						No	No
MOD_All_268	Chemical Reagents Detection Factory	20	201	2029	Yes	84	Yes	Yes
MOD_All_269	Chemicals & Metals Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_270	Children's Steel Toys Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_271	Children's Steel Toys Factory	32	324	3240	Yes	10	Yes	Yes
MOD_All_272	Civil Defence	84	842	8422	No	3	No	No
MOD_All_273	Clarinettes Ali Al-Abdallah Al-Tamimi						No	No
MOD_All_274	Communication Towers Company Limited	61	619	6190	No	12	Yes	No

MOD_All_275	Concrete Buildings Factory	43	439	4390	No	18	Yes	No
MOD_All_276	Consultant offices	71	711	7110	No	31	Yes	No
MOD_All_277	Contractor office	71	711	7110	No	31	Yes	No
MOD_All_278	Cooperative Office for Call, Guidance and Awareness of Expatriates in Dhahran	94	949	9491	No	4	No	No
MOD_All_279	Crestwood Factory Co. for Wood Works	16	162	1629	Yes	16	Yes	Yes
MOD_All_280	Daifullah Saeed Al-Shahrani Contracting Est						No	No
MOD_All_281	Dakhil Allah Hasen Al-Ewafi Aluminium Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_282	Dammam Dome Plastic Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_283	Dammam Wire Mesh, Coating & Wires Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_284	Dar Al-Halawiyat Factory Co.						No	No
MOD_All_285	Dar Al-Yousifieh Group Holding Company						No	No
MOD_All_286	Data Hub Information Technology Company	61	619	6190	No	12	Yes	No
MOD_All_287	Dawy International Group Co.						No	No
MOD_All_288	Delmon Co. Factory for Industrial and Mechanical Insulators	27	271	2710	Yes	41	Yes	Yes
MOD_All_289	Diab Factory for Plastics	22	222	2220	Yes	71	Yes	Yes
MOD_All_290	Disposable Catering Packaging Materials Production Company	22	222	2220	Yes	71	Yes	Yes
MOD_All_291	Drilling Fluids Factory	43	439	4390	No	18	Yes	No

MOD_All_292	Drilling Material Company Factory	43	431	4312	No	18	Yes	No
MOD_All_293	Drilling Materials Trading Est.	20	202	2029	Yes	84	Yes	Yes
MOD_All_294	Drinking Water Desalination Station	36	360	3600	Yes	12	Yes	Yes
MOD_All_295	Eastern Gulf Factory for Industry						No	No
MOD_All_296	Eastern Sands Industrial Company						No	No
MOD_All_297	Ebara Pumps Saudi Arabia Ltd.	46	465	4659	No	17	Yes	No
MOD_All_298	Eissa Amir Al-Manhali Trading Est.						No	No
MOD_All_299	El-Safa Aluminum Manufacturing Company and Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_300	El-Semo Factory for Production of Drinking water	11	110	1104	Yes	8	Yes	Yes
MOD_All_301	Electric Grid Strengthening Station (SCECO)	35	351	3510	Yes	16	Yes	Yes
MOD_All_302	Electric Water Heaters Co. Factory	27	275	2750	Yes	41	Yes	Yes
MOD_All_303	Electronic and Electrical Industries Corporation	46	465	4652	No	17	Yes	No
MOD_All_304	Emerson Climate Technologies Arabia Ltd Co.	28	282	2829	Yes	38	Yes	Yes
MOD_All_305	Emicon Saudi Co. Ltd.						No	No
MOD_All_306	Energy Investment Company for Metal Products Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_307	Energy, Industry and Chemical Materials Equipment Factory	28	282	2829	Yes	38	Yes	Yes
MOD_All_308	Engineering Nets Technology Co.	13	139	1394	Yes	14	Yes	Yes
MOD_All_309	Entertainment Center	90	900	9000	No	1	No	No

MOD_All_310	Essam Mohamed Kabbani Factory for Insulators	27	271	2710	Yes	41	Yes	Yes
MOD_All_311	Etihad Atheeb Telecom Company	61	619	6190	No	12	Yes	No
MOD_All_312	Exhibitions	82	823	8230	No	3	No	No
MOD_All_313	EXNESS Mohafaza Saudi Co. Ltd						No	No
MOD_All_314	Exploited without a contract of Al-Shamrani Trade and Industry Company						No	No
MOD_All_315	Fabco Plastic Factory Ltd.	22	222	2220	Yes	71	Yes	Yes
MOD_All_316	Factory of Saleh and Abdul Aziz Abou Hussein Co. for Chemicals Industry	20	202	2029	Yes	84	Yes	Yes
MOD_All_317	Fafa Factory for Packaging Industries	22	222	2220	Yes	71	Yes	Yes
MOD_All_318	Fahd Albiby & Partner Co. for Foodstuff Packing	17	171	1709	Yes	19	Yes	Yes
MOD_All_319	Fahd Bin Ibrahim Al-Damegh Factory for Industrial Solutions						No	No
MOD_All_320	Fahd Thunayan Al-Thunayan & Partners Co. for Chemical Products	20	202	2029	Yes	84	Yes	Yes
MOD_All_321	Fajr Al-Ibtikar Contrating Est.						No	No
MOD_All_322	FAPCO Plastic Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_323	Faris Al Sharqiah Contracting Est	71	711	7110	No	31	Yes	No
MOD_All_324	Fiber Q-Lite Industries Arabic	23	231	2310	Yes	42	Yes	Yes
MOD_All_325	Fire Direction Center Co., Ltd.	32	329	3290	Yes	10	Yes	Yes

MOD_All_326	Fire Extinguishing Equipment & Risks Control Devices Co., Ltd.	28	282	2829	Yes	38	Yes	Yes
MOD_All_327	Firefighting Equipment and Hazard Controls Company Branch	71	711	7110	No	31	Yes	No
MOD_All_328	Flexible tube technology company	25	259	2599	Yes	138	Yes	Yes
MOD_All_329	Flowserve Aba Hussein Flucontrol Co. Ltd. Factory	28	282	2829	Yes	38	Yes	Yes
MOD_All_330	Fluorite Co. Factory for Valves	25	259	2599	Yes	138	Yes	Yes
MOD_All_331	FMC Technologies Saudi Arabia Ltd						No	No
MOD_All_332	Fonoun Al-Rasheed Aluminum Extrusions Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_333	Fonoun Factory for Fiberglass Products	23	231	2310	Yes	42	Yes	Yes
MOD_All_334	Fonoun Factory for Fiberglass Products	23	239	2399	Yes	42	Yes	Yes
MOD_All_335	Fonoun Factory for Metal Products	25	259	2599	Yes	138	Yes	Yes
MOD_All_336	Food Assurance Company Branch						No	No
MOD_All_337	Food Charitable Society (Etaam)	64	643	6430	No	7	No	No
MOD_All_338	Food Industries Company	10	107	1079	Yes	41	Yes	Yes
MOD_All_339	Food Makers Co. Ltd.	10	107	1079	Yes	41	Yes	Yes
MOD_All_340	Foras Company for Investment and Real Estate Development	68	681	6810	No	8	Yes	No
MOD_All_341	Fosam Co. Ltd.						No	No
MOD_All_342	Future Ceramic & Porcelain Company	22	222	2220	Yes	71	Yes	Yes



MOD_All_343	Future Ceramic & Porcelain Company	23	239	2393	Yes	42	Yes	Yes
MOD_All_344	Future Ceramic & Porcelain Company	23	239	2399	Yes	42	Yes	Yes
MOD_All_345	Future Ceramic & Porcelain Company	32	321	3211	Yes	10	Yes	Yes
MOD_All_346	Future Pipe Industry Co., Ltd.	25	259	2599	Yes	138	Yes	Yes
MOD_All_347	Gabal Najran Factory for Metal Pieces	25	259	2599	Yes	138	Yes	Yes
MOD_All_348	Gadf Factory for Castings and Ductiles	25	259	2599	Yes	138	Yes	Yes
MOD_All_349	Gas Al-Sharq Company Factory	35	352	3520	Yes	16	Yes	Yes
MOD_All_350	GE Oil & Gas Pressure Control Middle East Co., Ltd. Factory	27	271	2710	Yes	41	Yes	Yes
MOD_All_351	GE Oil & Gas Pressure Control Middle East Co., Ltd. Factory	71	711	7110	No	31	Yes	No
MOD_All_352	Gearflower Middle East Branch						No	No
MOD_All_353	Gebal Najran Factory for Metal Products	25	259	2599	Yes	138	Yes	Yes
MOD_All_354	General Technical & Safety Training Centre	85	852	8522	No	4	No	No
MOD_All_355	Ghali Maadi Al-Sebeaei Factory for Marble, Granite and Stone	23	239	2399	Yes	42	Yes	Yes
MOD_All_356	Ghalia Factory for Food Industries	10	107	1079	Yes	41	Yes	Yes
MOD_All_357	Ghassan Mohamed Al-Majid Factory for Industrial Sponge	20	202	2029	Yes	84	Yes	Yes
MOD_All_358	Ghazaa Al-Mustahlek Factory for Food Products Packing	17	170	1709	Yes	19	Yes	Yes
MOD_All_359	Ghazaa Al-Mustahlek Factory for Food Products Packing	17	171	1702	Yes	19	Yes	Yes

MOD_All_360	Global Marine Services Company	71	711	7110	No	31	Yes	No
MOD_All_361	Global Steel Dust Gulf Co.	25	259	2591	Yes	138	Yes	Yes
MOD_All_362	Golden Chip Company Factory (GCCF)	10	107	1073	Yes	41	Yes	Yes
MOD_All_363	Graphco Saudi Company	17	171	1709	Yes	19	Yes	Yes
MOD_All_364	Group Five Pipe Saudi Co. (G5PS)	25	259	2599	Yes	138	Yes	Yes
MOD_All_365	Group Five Pipe Saudi Co. (G5PS)	25			Yes	138	Yes	No
MOD_All_366	Guf Market Factory for Steel Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_367	Gulf Automobiles Factory	29	293	2930	Yes	8	Yes	Yes
MOD_All_368	Gulf Automobiles Factory	45	452	4520	No	3	No	No
MOD_All_369	Gulf Chemicals and Industrial Oils Co.	20	202	2029	Yes	84	Yes	Yes
MOD_All_370	Gulf Cryo Industrial Gases Company Ltd.	35	352	3520	Yes	16	Yes	Yes
MOD_All_371	Gulf Gasket Factory	23	239	2399	Yes	42	Yes	Yes
MOD_All_372	Gulf Gasket Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_373	Gulf Horizons Factory for Paints and Pastes	20	202	2022	Yes	84	Yes	Yes
MOD_All_374	Gulf Industrial Valves Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_375	Gulf Metal Galvanizing Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_376	Gulf Polyurethane Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_377	Gulf Power Distribution Systems Co.	27	271	2710	Yes	41	Yes	Yes
MOD_All_378	Gulf Salt Co.	10	106	1062	Yes	41	Yes	Yes

MOD_All_379	Gulf Steel Factory Co. for Machine Spare Parts	46	465	4659	No	17	Yes	No
MOD_All_380	Gulf Technical Factory						No	No
MOD_All_381	Gulf Union Establishment for Trading and Contracting	37	479	4799	Yes	1	No	No
MOD_All_382	Gulf Union Establishment for Trading and Contracting	71	711	7110	No	31	Yes	No
MOD_All_383	Gulf Union Foods Company	10	107	1079	Yes	41	Yes	Yes
MOD_All_384	Hadaid Saudi Arabia Factory Co. for Heavy Industries	23	239	2399	Yes	42	Yes	Yes
MOD_All_385	Hamad Zafer Al-Shahrani Contracting Est.	71	711	7110	No	31	Yes	No
MOD_All_386	Hasan Al-Yami General Contracting Est.	71	711	7110	No	31	Yes	No
MOD_All_387	Hasan Mansour Al-Yami & Partner Company for Iron and Aluminum Products	25	259	2599	Yes	138	Yes	Yes
MOD_All_388	Hasan Mansour Al-Yami & Partner Company for Wooden Furniture	16	162	1629	Yes	16	Yes	Yes
MOD_All_389	Hasan Mansour Al-Yami & Partner Company for Wooden Furniture	31	310	3100	Yes	15	Yes	Yes
MOD_All_390	Hasan Washnan Al-Zahrani Co. Factory for the Production of Polystyrene Containers	22	222	2220	Yes	71	Yes	Yes
MOD_All_391	Hashim Mohamed El-Hashim Factory						No	No
MOD_All_392	Hawa Factory for Electrical Distribution Boards	27	279	2790	Yes	41	Yes	Yes
MOD_All_393	Hawa Valves Arabia Branch	25	259	2599	Yes	138	Yes	Yes
MOD_All_394	Heba Factory Limited for the manufacturer of fire extinguishers	27	279	2790	Yes	41	Yes	Yes

MOD_All_395	Heba Factory Limited for the manufacturer of fire extinguishers	28	282	2829	Yes	38	Yes	Yes
MOD_All_396	Henkel Polybit Industries Co. Ltd. Factory	22	221	2219	Yes	71	Yes	Yes
MOD_All_397	Henkel Polybit Industries Co. Ltd. Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_398	Hit Factory for the Production of kitchens & PVC Plates	31	310	3100	Yes	15	Yes	Yes
MOD_All_399	Hit Factory for the Production of Lubricating Greases	20	202	2029	Yes	84	Yes	Yes
MOD_All_400	Hit Factory for the Production of Nets and Metal Sections	13	139	1394	Yes	14	Yes	Yes
MOD_All_401	Hit Industry Foundation for Bending and Forming Rebars	25	259	2599	Yes	138	Yes	Yes
MOD_All_402	Hit Plastic Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_403	Housing Water Station	36	360	3600	Yes	12	Yes	Yes
MOD_All_404	Howraa Cosmetics Factory	20	202	2023	Yes	84	Yes	Yes
MOD_All_405	Hut International Company for Transfer and Deportation	84	841	8411	No	3	No	No
MOD_All_406	Ibreez Real Estate Company	68	681	6810	No	8	Yes	No
MOD_All_407	IK Saudi for Manufacturing	28	282	2829	Yes	38	Yes	Yes
MOD_All_408	Industrial Chemicals & Resins Company	20	202	2029	Yes	84	Yes	Yes
MOD_All_409	Industrial Construction Factory (INCO)	43	439	4390	No	18	Yes	No
MOD_All_410	Industrial Institute	85	852	8522	No	4	No	No
MOD_All_411	Industrial Systems Group						No	No

MOD_All_412	Industrial Valves Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_413	Industrial Voltage Elements Company Factory	27	279	2790	Yes	41	Yes	Yes
MOD_All_414	Information Center	82	829	8299	No	3	No	No
MOD_All_415	Inmaa Bank	64	641	6419	No	7	No	No
MOD_All_416	Insulation Materials Technology Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_417	Integrated Communications Company Ltd.	61	619	6190	No	12	Yes	No
MOD_All_418	International Arab Valves Company for Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_419	International Company for Specialty Chemicals Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_420	International Energy Factory for Industrial and Mechanical Insulators	28	282	2829	Yes	38	Yes	Yes
MOD_All_421	International Food Factory	10	107	1071	Yes	41	Yes	Yes
MOD_All_422	International Food Factory	10	107	1079	Yes	41	Yes	Yes
MOD_All_423	Ismail Ali Abu Dawood Trading Company Ltd.	52	521	5210	No	4	No	No
MOD_All_424	Isuzu Motors Saudi Arabia Co. Ltd.	45	451	4510	No	3	No	No
MOD_All_425	Itqan Partners Factory for Iron Products and Galvanization	25	259	2599	Yes	138	Yes	Yes
MOD_All_426	ITT Saudi Co.						No	No
MOD_All_427	Jadawell Water Factory	11	110	1104	Yes	8	Yes	Yes
MOD_All_428	Jader Ayed Al-Fahad Factory for Bentonite	20	202	2029	Yes	84	Yes	Yes
MOD_All_429	Jal Factory for Energy Services						No	No

MOD_All_430	Jeddah Filters Factory	28	282	2829	Yes	38	Yes	Yes
MOD_All_431	Jiad Factory for Pressure Vessels and Iron Hangers	25	259	2599	Yes	138	Yes	Yes
MOD_All_432	Jiad Factory for Pressure Vessels and Iron Hangers	28	282	2829	Yes	38	Yes	Yes
MOD_All_433	Jiad Factory for Pressure Vessels and Iron Hangers	32	329	3290	Yes	10	Yes	Yes
MOD_All_434	Jinan Real Estate Company	68	682	6820	No	8	Yes	No
MOD_All_435	Jisr Al-Khaleej Industries and Iron Works co., Ltd. Factory	23	239	2399	Yes	42	Yes	Yes
MOD_All_436	John Crane Saudi Arabia Co., Ltd.	46	465	4659	No	17	Yes	No
MOD_All_437	Jotun Powder Coatings Saudi Arabia Company	20	202	2029	Yes	84	Yes	Yes
MOD_All_438	Joveh factory for household and industrial detergents	20	202	2023	Yes	84	Yes	Yes
MOD_All_439	Karim Factory for Food Industries	10	107	1079	Yes	41	Yes	Yes
MOD_All_440	KASB Manufacturing Company	28	282	2829	Yes	38	Yes	Yes
MOD_All_441	Kenz Real Estate Development Office	68	681	6810	No	8	Yes	No
MOD_All_442	Kenz Real Estate Development Office	68	682	6820	No	8	Yes	No
MOD_All_443	Khair Al-Mammlaka Co. Factory for Electro Mechanical Industries						No	No
MOD_All_444	Khaled Ali Al-Turki & Sons Co.						No	No
MOD_All_445	Khaled and Ali Ahmed Balhomor Factory for Metal Coating	24	243	2431	Yes	8	Yes	Yes
MOD_All_446	Khaled and Ali Ahmed Balhomor Factory for Metal Coating	25	259	2599	Yes	138	Yes	Yes
MOD_All_447	Khaled Fahd Al-Baaeiz Holding Group Co.						No	No

MOD_All_448	Khaled Industrial Marble Factory	23	239	2395	Yes	42	Yes	Yes
MOD_All_449	Khaled Industrial Marble Factory	23	239	2399	Yes	42	Yes	Yes
MOD_All_450	Khaled Saad Eddin Sweets Factory	10	107	1073	Yes	41	Yes	Yes
MOD_All_451	Khalid Al-Hamad & Partner Co. Factory for Plastic Film	22	222	2220	Yes	71	Yes	Yes
MOD_All_452	Khalid and Nawwaf Al-Hamad Factory for Paper Products	17	171	1709	Yes	19	Yes	Yes
MOD_All_453	Khalid and Nawwaf Al-Hamad Factory for Plastic Products	22	222	2220	Yes	71	Yes	Yes
MOD_All_454	Khalid Mohamed Abdallah Trading Est.						No	No
MOD_All_455	Koob Al-Negma Factory for Sugar Packing and Packaging	10	107	1073	Yes	41	Yes	Yes
MOD_All_456	Korbrua Arabia Company for Manufacturing Ground Electrodes	27	279	2790	Yes	41	Yes	Yes
MOD_All_457	Koz Al Sharq Company for Paper Products Factory	17	171	1709	Yes	19	Yes	Yes
MOD_All_458	Kubota Saudi Arabia Company	46	469	4690	No	17	Yes	No
MOD_All_459	L & T Saudi Electric Factory	27	279	2790	Yes	41	Yes	Yes
MOD_All_460	La Mechanica Badana Saudi Industrial Company	28	282	2829	Yes	38	Yes	Yes
MOD_All_461	Laqlaq Snacks Factory	10	107	1073	Yes	41	Yes	Yes
MOD_All_462	LCM Synergy Saudi Arabia						No	No
MOD_All_463	Lian Al-Sharqiya Food Factory	10	107	1071	Yes	41	Yes	Yes
MOD_All_464	Logistics Solutions Company	71	711	7110	No	31	Yes	No
MOD_All_465	Logistics Station	38	381	3811	Yes	4	No	No

MOD_All_466	Logistics/warehouse Station	52	521	5210	No	4	No	No
MOD_All_467	Louay Abdullah Al-Obaid Plastic Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_468	Madi Trading Services Est.						No	No
MOD_All_469	Madry Arabia Factory for the production of nitrogen gas	35	352	3520	Yes	16	Yes	Yes
MOD_All_470	Mahmoud Abdel Alim & Partners Co. Ltd. for Refreshments and Juices	11	110	1104	Yes	8	Yes	Yes
MOD_All_471	Mahmoud Abdullah Factory for the Iron Production	24	243	2431	Yes	8	Yes	Yes
MOD_All_472	Mahmoud Abdullah Factory for the Iron Production	25	259	2599	Yes	138	Yes	Yes
MOD_All_473	Maintenance Building	81	813	8130	No	2	No	No
MOD_All_474	Mamdouh Aziz Al-Hwail Factory for Aluminium & Glass	23	231	2310	Yes	42	Yes	Yes
MOD_All_475	Mamdouh Aziz Al-Hwail Factory for Plastic & Paper Industries	22	222	2220	Yes	71	Yes	Yes
MOD_All_476	Mamdouh Aziz Al-Hwail Factory for Timber	16	162	1629	Yes	16	Yes	Yes
MOD_All_477	Manar Paints Factory	20	202	2022	Yes	84	Yes	Yes
MOD_All_478	Mannar Al-Khaleej Factory for Plastic Industries	22	222	2220	Yes	71	Yes	Yes
MOD_All_479	Marjan Factory Company for Fiberglass Products	23	231	2310	Yes	42	Yes	Yes
MOD_All_480	Mashael Elbaraka Factory for Barrels & Filters	25	259	2599	Yes	138	Yes	Yes
MOD_All_481	Meremat Factory for Aluminium	25	259	2599	Yes	138	Yes	Yes
MOD_All_482	Metal Corner Co. Ltd. for Steel Trading	46	466	4662	No	17	Yes	No



MOD_All_483	Metal Corner Factory for Steel Trading Ltd.						No	No
MOD_All_484	Metal Partitions Factory for Metal Products	25	259	2599	Yes	138	Yes	Yes
MOD_All_485	Metal Works and Buildings Co. Ltd.	25	259	2599	Yes	138	Yes	Yes
MOD_All_486	MHBS Saudi Arabia Company						No	No
MOD_All_487	Middle East Battery Company (MEBCO)	27	272	2720	Yes	41	Yes	Yes
MOD_All_488	Middle East Cable Holders and Accessories Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_489	Middle East Cable Holders and Accessories Factory	27	279	2790	Yes	41	Yes	Yes
MOD_All_490	Middle East Industrial Gas Factory	35	352	3520	Yes	16	Yes	Yes
MOD_All_491	Middle East Sources Factory for Polyethylene Wax	22	222	2220	Yes	71	Yes	Yes
MOD_All_492	Mitsubishi Power Saudi Arabia Co. Ltd	28	282	2829	Yes	38	Yes	Yes
MOD_All_493	Mitsubishi Power Saudi Arabia Co. Ltd.	71	711	7110	No	31	Yes	No
MOD_All_494	Moaz Abdullah Alkhneni Factory for Iron Rolling	25	259	2599	Yes	138	Yes	Yes
MOD_All_495	Mobily	61	619	6190	No	12	Yes	No
MOD_All_496	Mobily Telecommunications	61	619	6190	No	12	Yes	No
MOD_All_497	Modern Chemicals Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_498	Modern Detergents Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_499	Modern Factory for Adhesive Products	20	202	2029	Yes	84	Yes	Yes
MOD_All_500	Modern Factory for Electrical Appliances Co.	27	275	2750	Yes	41	Yes	Yes
MOD_All_501	Modern Factory for Electrical Appliances Co.	27	279	2790	Yes	41	Yes	Yes

MOD_All_502	Modern Factory for Steel Industries Co. Ltd	25	259	2599	Yes	138	Yes	Yes
MOD_All_503	Modern Industries Company - Tide	20	202	2023	Yes	84	Yes	Yes
MOD_All_504	Modern Industries Company (MIC)						No	No
MOD_All_505	Modern Iron Packaging Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_506	Modern National Chemical Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_507	Modern Plastic Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_508	Modern Printing Presses	18	181	1811	No	6	No	No
MOD_All_509	Modern Shapes Co., Ltd.						No	No
MOD_All_510	Modern Wood Manufactures Company	16	162	1629	Yes	16	Yes	Yes
MOD_All_511	Modern Woodworks Factory	16	162	1629	Yes	16	Yes	Yes
MOD_All_512	Modon Lighthouses	81	811	8110	No	2	No	No
MOD_All_513	Mohamad Azzam Barghouth Factory for Ceramic Products	23	239	2399	Yes	42	Yes	Yes
MOD_All_514	Mohamed Abdul Rahman Ibn Ziyad Factory for Salt Cubes and Forage Products / Dammam Branch	10	108	1080	Yes	41	Yes	Yes
MOD_All_515	Mohamed Abdullah Al-Aly Al-Bassam Factory for Cast Iron	25	259	2599	Yes	138	Yes	Yes
MOD_All_516	Mohamed Habbas Al-Mutairi Factory for Furniture and Curtains	31	310	3100	Yes	15	Yes	Yes
MOD_All_517	Mohamed Habbas Al-Mutairi Factory for Furniture and Curtains	85	852	8522	No	4	No	No
MOD_All_518	Mohamed Hassan Sherbini Trading Company						No	No

MOD_All_519	Mohamed Hussein El-Arini Factory for Marble and Granite	22	222	2220	Yes	71	Yes	Yes
MOD_All_520	Mohamed Moussa Al-Saleh Real Estate Foundation	68	682	6820	No	8	Yes	No
MOD_All_521	Mohamed Naji Al-Haggag Factory for Chemicals Products	20	202	2029	Yes	84	Yes	Yes
MOD_All_522	Mohamed Salman Almekhnaa & Bros Co. Factory for Food Products	10	107	1079	Yes	41	Yes	Yes
MOD_All_523	Mohamed Soliman Al-Nahdi Est.						No	No
MOD_All_524	Mohamed Soliman Al-Nahdi Est. (Car Workshop)	45	452	4520	No	3	No	No
MOD_All_525	Mohammed Ali Saadeddin Company for food	10	107	1073	Yes	41	Yes	Yes
MOD_All_526	Mohammed Obaid Jumaa Al Kaabi Factory for Ironware Manufacturing & Coating	25	259	2599	Yes	138	Yes	Yes
MOD_All_527	Mohammed Suleiman Al-Nahdi Foundation						No	No
MOD_All_528	Morgan Factory for Fiberglass Products	23	231	2310	Yes	42	Yes	Yes
MOD_All_529	Mosque	94	949	9491	No	4	No	No
MOD_All_530	Motlak Mataab Elshabaan Factory for Plastics	22	222	2220	Yes	71	Yes	Yes
MOD_All_531	Mourouj Al-Jazeera Factory for Iron Works	23	239	2399	Yes	42	Yes	Yes
MOD_All_532	Mourouj Al-Jazeera Factory for Iron Works	25	259	2599	Yes	138	Yes	Yes
MOD_All_533	Nabhaa Factory for Industrial Rubber Products	22	221	2219	Yes	71	Yes	Yes
MOD_All_534	Nagi Al-Shiha						No	No
MOD_All_535	NAPCO Company for Composite Packaging Plastics (NAPCO Compact)	22	222	2220	Yes	71	Yes	Yes

MOD_All_536	NAPCO Modern Plastic Products Company	22	222	2220	Yes	71	Yes	Yes
MOD_All_537	NAPCO Plastics & Packaging Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_538	Nasib Abdulla Al Bassam Factory for Iron Structures and Reservoirs	25	259	2599	Yes	138	Yes	Yes
MOD_All_539	Nasser Saeed Al Hajri Factory for Metal Formation	25	259	2599	Yes	138	Yes	Yes
MOD_All_540	Nassim Al-Tibat Factory for Ice Cream	10	107	1073	Yes	41	Yes	Yes
MOD_All_541	National Commercial Bank	64	641	6419	No	7	No	No
MOD_All_542	National Company for Fire and Safety Equipment	28	282	2829	Yes	38	Yes	Yes
MOD_All_543	National Company for Fire and Safety Equipment	71	711	7110	No	31	Yes	No
MOD_All_544	National Detergent Products Company - Clorox	20	202	2023	Yes	84	Yes	Yes
MOD_All_545	National Establishment for Agricultural and Industrial Sulphur	20	202	2029	Yes	84	Yes	Yes
MOD_All_546	National Factory for Air-Conditioning Vents and Refineries	28	282	2829	Yes	38	Yes	Yes
MOD_All_547	National Factory for Plastic bottles, sheets and supplies	22	222	2220	Yes	71	Yes	Yes
MOD_All_548	National Factory for Processing and Treating Minerals	25	259	2599	Yes	138	Yes	Yes
MOD_All_549	National Fiberglass Factories - Branch of Ibrahim Al-Muhaidib Commercial Company	23	231	2310	Yes	42	Yes	Yes
MOD_All_550	National Fibre Glass Factory	23	231	2310	Yes	42	Yes	Yes
MOD_All_551	National Galvanizing and Coating Company	25	259	2599	Yes	138	Yes	Yes
MOD_All_552	National Lighting Company	27	274	2740	Yes	41	Yes	Yes

MOD_All_553	National Plastic Ropes Factory	13	139	1394	Yes	14	Yes	Yes
MOD_All_554	National Plastic Ropes Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_555	National Rubber Factory & Derivatives	22	221	2219	Yes	71	Yes	Yes
MOD_All_556	National Rubber Spare Parts Factory	22	221	2219	Yes	71	Yes	Yes
MOD_All_557	National Steel Co. Ltd. - Watani	25	259	2599	Yes	138	Yes	Yes
MOD_All_558	Nawaf Sultan Al-Duwaysh General Contracting Establishment	71	711	7110	No	31	Yes	No
MOD_All_559	Nawaret El-Jezira Factory for Ferrous crafts and Aluminium	25	259	2599	Yes	138	Yes	Yes
MOD_All_560	Negm Factory for Steel	25	259	2599	Yes	138	Yes	Yes
MOD_All_561	Negmat Al-Maaden Factory						No	No
MOD_All_562	New Delta Food Factory	10	107	1079	Yes	41	Yes	Yes
MOD_All_563	Noor Factory for Cardboard & Packaging	16	171	1709	Yes	16	Yes	Yes
MOD_All_564	Noor Factory for Cardboard & Packaging	17	171	1709	Yes	19	Yes	Yes
MOD_All_565	NOV Saudi Arabia Co. Ltd.						No	No
MOD_All_566	Oasis Ameron Co.	28	282	2829	Yes	38	Yes	Yes
MOD_All_567	Oasis Sykes Co.	28	282	2829	Yes	38	Yes	Yes
MOD_All_568	Oasis Sykes Co.	46	469	4690	No	17	Yes	No
MOD_All_569	Oil and Gas Polymers Factory	20	202	2029	Yes	84	Yes	Yes

MOD_All_570	Omar Abdul Karim Al-Amoudi Factory for Food and Meat Industry	10	107	1079	Yes	41	Yes	Yes
MOD_All_571	Omar Saleh Shamlan Glass Factory	23	231	2310	Yes	42	Yes	Yes
MOD_All_572	Operation and Maintenance	71	711	7110	No	31	Yes	No
MOD_All_573	Orange Zeb Kamar Factory for Wool Yarn	13	131	1313	Yes	14	Yes	Yes
MOD_All_574	Orbits First Industrial Company						No	No
MOD_All_575	Oren Chemical Manufacturing Company	20	202	2029	Yes	84	Yes	Yes
MOD_All_576	Othman Abdul Rahman Al-Ossaimi & Partners Trading Company						No	No
MOD_All_577	Paper Supplies and Plastic Bags Factory	17	171	1709	Yes	19	Yes	Yes
MOD_All_578	Paper Supplies and Plastic Bags Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_579	Perma Pipe Saudi Arabia Co.	22	222	2220	Yes	71	Yes	Yes
MOD_All_580	Plastic Cards Co.	22	222	2220	Yes	71	Yes	Yes
MOD_All_581	Police	84	842	8423	No	3	No	No
MOD_All_582	Pomp Station	36	360	3600	Yes	12	Yes	Yes
MOD_All_583	Pomp station - Phase 3	36	360	3600	Yes	12	Yes	Yes
MOD_All_584	Pomp Station #3	36	360	3600	Yes	12	Yes	Yes
MOD_All_585	Pomp Station P1	36	360	3600	Yes	12	Yes	Yes
MOD_All_586	Pomp Station P3	36	360	3600	Yes	12	Yes	Yes
MOD_All_587	Power Equipment Leasing Co.	46	465	4659	No	17	Yes	No

MOD_All_588	Power Equipment Leasing Co.	77	773	7730	No	1	No	No
MOD_All_589	Power Station	35	351	3510	Yes	16	Yes	Yes
MOD_All_590	Power Substation	35	351	3510	Yes	16	Yes	Yes
MOD_All_591	Praxer Service Technologies Arabia Company						No	No
MOD_All_592	Pumping Station	36	360	3600	Yes	12	Yes	Yes
MOD_All_593	Qabas Albelad Factory for Manufacturing Metal Ropes	13	139	1394	Yes	14	Yes	Yes
MOD_All_594	Quickpay Commercial Bnak	64	641	6419	No	7	No	No
MOD_All_595	Rainbow Mechanical Solutions Saudi Arabia Factory	28	282	2829	Yes	38	Yes	Yes
MOD_All_596	Ramsey Glass Factory	23	231	2310	Yes	42	Yes	Yes
MOD_All_597	Rashed & Sons - Donaldson Company Limited						No	No
MOD_All_598	Rashed El-Abedlrahman Al-Rashed & Sons Co. for the Manufacture of Iron Products	25	259	2599	Yes	138	Yes	Yes
MOD_All_599	Rashed El-Abedlrahman Al-Rashed & Sons Co. for Wooden Products	16	162	1629	Yes	16	Yes	Yes
MOD_All_600	Rashed El-Abedlrahman Al-Rashed Co. Factory for Tightening Concrete Pre-Voltage Wires	43	439	4390	No	18	Yes	No
MOD_All_601	Rawabi Electricity Company	35	351	3510	Yes	16	Yes	Yes
MOD_All_602	Rawabi Hi-Tech Company Limited						No	No
MOD_All_603	RDC Arabia Driling Inc. Factory						No	No
MOD_All_604	ready factories						No	No

MOD_All_605	Real Estate Economic Supply Corporation	68	681	6810	No	8	Yes	No
MOD_All_606	Rebeon Chemicals Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_607	Reda Al-Felfel						No	No
MOD_All_608	Reda Factory for the Manufacture of Firefighting Equipment	28	282	2829	Yes	38	Yes	Yes
MOD_All_609	Redayat Co. Ltd. for Protective Coating	22	222	2220	Yes	71	Yes	Yes
MOD_All_610	Redayat Kamika Co. Ltd. for Protection Coating	20	202	2029	Yes	84	Yes	Yes
MOD_All_611	Regional Center Foundation for Calibration, Conformity and Quality	71	712	7120	No	31	Yes	No
MOD_All_612	Remal Company for Electricity						No	No
MOD_All_613	Remal Telecom Factory	27	279	2790	Yes	41	Yes	Yes
MOD_All_614	Riyadh Ceramics Factory	23	239	2393	Yes	42	Yes	Yes
MOD_All_615	Riyadh Ceramics Factory	23	239	2399	Yes	42	Yes	Yes
MOD_All_616	Riyadh Oxygen Plant	35	352	3520	Yes	16	Yes	Yes
MOD_All_617	Rowad International Geosynthetics Co. Factory	13	139	1399	Yes	14	Yes	Yes
MOD_All_618	Roy Water Company Limited						No	No
MOD_All_619	S & T Gulf Co. Ltd.						No	No
MOD_All_620	Saeed Ali Ghadran Factory for Plastic Pipes	22	222	2220	Yes	71	Yes	Yes
MOD_All_621	Saeed Ali Ghadran Factory for Plastic Pipes	23	239	2399	Yes	42	Yes	Yes



MOD_All_622	Saeed Maeidh Awad Moriea Factory for Chemical Products	20	202	2029	Yes	84	Yes	Yes
MOD_All_623	Safar Mishaan Nahi Al-Otaibi						No	No
MOD_All_624	Safety and Fire Equipment Co., Ltd.	71	711	7110	No	31	Yes	No
MOD_All_625	Safety equipment production	28	282	2829	Yes	38	Yes	Yes
MOD_All_626	Sahara Factory for Architecture Works	25	259	2599	Yes	138	Yes	Yes
MOD_All_627	Sahara Network Co., Ltd.	61	612	6120	No	12	Yes	No
MOD_All_628	Saleh and Abdul Aziz Abou Hussein Co. Factory for Chemicals Industry	20	202	2029	Yes	84	Yes	Yes
MOD_All_629	Saleh and Abdul Aziz Abou Hussein Factory for Oils Mixing	20	202	2029	Yes	84	Yes	Yes
MOD_All_630	Salem Balhamr Plastic Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_631	Salhia Projects Co. Ltd.						No	No
MOD_All_632	Salman Johar Al-Johar Iron Rolling Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_633	Salman Johar Al-Johar Metal Alloys Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_634	Salman Johar Al-Johar Scrap Melting Factory	24	243	2431	Yes	8	Yes	Yes
MOD_All_635	Salman Johar Al-Johar Scrap Melting Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_636	Salman Johar Al-Johar Sponge Iron Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_637	Salman Mohamed Hassan Al-Jashi Co. for Printing & Packaging	18	181	1812	No	6	No	No
MOD_All_638	Sama Supplies Aluminum Factory	23	239	2399	Yes	42	Yes	Yes

MOD_All_639	Sama Technologies Co. Ltd. Factory						No	No
MOD_All_640	Samba Financial Group	64	641	6419	No	7	No	No
MOD_All_641	Samir Saeed Al-Akhras for Plastics Products	22	222	2220	Yes	71	Yes	Yes
MOD_All_642	Sara Saudi Arabia Factory for Plastic Film	22	222	2220	Yes	71	Yes	Yes
MOD_All_643	Sassap Co. Ltd. for Molds and Spare Parts	28	282	2829	Yes	38	Yes	Yes
MOD_All_644	Saudi Abrasives Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_645	Saudi Aluminum and Iron Hangars Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_646	Saudi Arabia Medal Company Limited for Cables	27	273	2732	Yes	41	Yes	Yes
MOD_All_647	Saudi Arabia Nalco Company Limited	20	202	2029	Yes	84	Yes	Yes
MOD_All_648	Saudi Arabian Aquakimy Company						No	No
MOD_All_649	Saudi Arabian Ductile Iron Pipes Co. - SADIP	25	259	2599	Yes	138	Yes	Yes
MOD_All_650	Saudi Arabian Metal Fabrication Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_651	Saudi Arabian Metal Products Factory Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_652	Saudi Arabian Weidmüller Factory Company for Industry						No	No
MOD_All_653	Saudi Arabian Weidmüller Factory Company for IndustrySSEB Saudi Factory						No	No
MOD_All_654	Saudi Azbel Co. Ltd.	20	202	2022	Yes	84	Yes	Yes
MOD_All_655	Saudi BASF for Building Materials Co.	20	202	2029	Yes	84	Yes	Yes
MOD_All_656	Saudi Bea Fasteners Manufacturing Company	25	259	2599	Yes	138	Yes	Yes

MOD_All_657	Saudi Belts Factory	29	293	2930	Yes	8	Yes	Yes
MOD_All_658	Saudi Bisan Gasket Factory Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_659	Saudi British Bank - SABB	64	641	6419	No	7	No	No
MOD_All_660	Saudi Buzwair Industrial Gases Co. Ltd.	35	352	3520	Yes	16	Yes	Yes
MOD_All_661	Saudi Cable Accessories Factory Company	27	273	2732	Yes	41	Yes	Yes
MOD_All_662	Saudi Cheg Company						No	No
MOD_All_663	Saudi Chemical Company	20	202	2029	Yes	84	Yes	Yes
MOD_All_664	Saudi Co. for Foam Plates Industries	22	222	2220	Yes	71	Yes	Yes
MOD_All_665	Saudi Co. for Foam Plates Industries	28	282	2829	Yes	38	Yes	Yes
MOD_All_666	Saudi Company for Manufacturing Shipping Platforms	25	259	2599	Yes	138	Yes	Yes
MOD_All_667	Saudi Company for Manufacturing Shipping Platforms	28	282	2829	Yes	38	Yes	Yes
MOD_All_668	Saudi Company for Prefabricated Buildings	43	432	4329	No	18	Yes	No
MOD_All_669	Saudi Concrete Products Co. Ltd. (SACEP)	20	202	2029	Yes	84	Yes	Yes
MOD_All_670	Saudi Concrete Products Co. Ltd. (SACEP)	23	239	2399	Yes	42	Yes	Yes
MOD_All_671	Saudi Dairy and Foodstuff Company (SADAFCO)	10	107	1079	Yes	41	Yes	Yes
MOD_All_672	Saudi Diesel Equipment Co. Ltd.	46	469	4690	No	17	Yes	No
MOD_All_673	Saudi Electricity Company	35	351	3510	Yes	16	Yes	Yes
MOD_All_674	Saudi Electricity Company (Eastern Province Branch)	35	351	3510	Yes	16	Yes	Yes
MOD_All_675	Saudi Factory For Beds & Mattresses	31	310	3100	Yes	15	Yes	Yes

MOD_All_676	Saudi Factory for Seamless Steel Pipes	25	259	2599	Yes	138	Yes	Yes
MOD_All_677	Saudi Factory for Ventilation Fans	27	275	2750	Yes	41	Yes	Yes
MOD_All_678	Saudi Filters Industry Company (SFICO)	28	282	2829	Yes	38	Yes	Yes
MOD_All_679	Saudi Fodder Mixtures Co. Ltd. Factory	10	108	1080	Yes	41	Yes	Yes
MOD_All_680	Saudi Formica Sheets Company	22	222	2220	Yes	71	Yes	Yes
MOD_All_681	Saudi German Co. for Unwoven Products	13	139	1399	Yes	14	Yes	Yes
MOD_All_682	Saudi German Company for Nonwoven Products	13	139	1399	Yes	14	Yes	Yes
MOD_All_683	Saudi Industrial Detergents Company (SIDCO)	20	202	2023	Yes	84	Yes	Yes
MOD_All_684	Saudi Industrial Gas Co. (SIGAS)	35	352	3520	Yes	16	Yes	Yes
MOD_All_685	Saudi Intercoil Furniture Factory	31	310	3100	Yes	15	Yes	Yes
MOD_All_686	Saudi International Trading Co. Ltd.						No	No
MOD_All_687	Saudi International Training Institute	85	852	8522	No	4	No	No
MOD_All_688	Saudi Iron Pellet Plant	25	259	2599	Yes	138	Yes	Yes
MOD_All_689	Saudi Jasara Company Limited Branch						No	No
MOD_All_690	Saudi Leather Industries Co. Ltd.	13	139	1399	Yes	14	Yes	Yes
MOD_All_691	Saudi Leather Industries Co. Ltd.	14	141	1410	Yes	4	No	No
MOD_All_692	Saudi Leather Industries Co. Ltd.	15	151	1512	Yes	1	No	No
MOD_All_693	Saudi Light Food Co. Ltd.	10	107	1079	Yes	41	Yes	Yes
MOD_All_694	Saudi Lighting Company	27	274	2740	Yes	41	Yes	Yes

MOD_All_695	Saudi Mechanical Industries Co. Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_696	Saudi Metal Coating Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_697	Saudi Metal Galvanization Factory	25	259	2592	Yes	138	Yes	Yes
MOD_All_698	Saudi Mobile Telecommunication Company -Zain	61	619	6190	No	12	Yes	No
MOD_All_699	Saudi Mobile Telecommunications Company	61	619	6190	No	12	Yes	No
MOD_All_700	Saudi Modern Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_701	Saudi New Zealand Milk Products Company (SNZMP)	10	107	1079	Yes	41	Yes	Yes
MOD_All_702	Saudi Packaging & Metals Co.	22	222	2220	Yes	71	Yes	Yes
MOD_All_703	Saudi Paper Converting Company	17	171	1709	Yes	19	Yes	Yes
MOD_All_704	Saudi Paper Manufacturing Co.	17	171	1701	Yes	19	Yes	Yes
MOD_All_705	Saudi Peatmoss & Vermiculite Plant	20	202	2029	Yes	84	Yes	Yes
MOD_All_706	Saudi Petroleum Equipment Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_707	Saudi Petroleum Equipment Factory	46	466	4661	No	17	Yes	No
MOD_All_708	Saudi Plastic Hoses Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_709	Saudi Power Transformer Company	27	271	2710	Yes	41	Yes	Yes
MOD_All_710	Saudi Ready-mix Concrete Company	20	202	2029	Yes	84	Yes	Yes
MOD_All_711	Saudi Recycling Co. for Paper & Waste	17	171	1709	Yes	19	Yes	Yes
MOD_All_712	Saudi Rubber Products Co.	22	221	2219	Yes	71	Yes	Yes
MOD_All_713	Saudi Rubber Products Co.	22	222	2220	Yes	71	Yes	Yes

MOD_All_714	Saudi Soil Improvers Co. Factory	20	201	2029	Yes	84	Yes	Yes
MOD_All_715	Saudi Steel Pipe Company (SSP)	25	259	2599	Yes	138	Yes	Yes
MOD_All_716	Saudi Storage and Supply Company	46	461	4610	No	17	Yes	No
MOD_All_717	Saudi Telecom Company (STC)	61	619	6190	No	12	Yes	No
MOD_All_718	Saudi Telecom Company (Switchboard)	61	619	6190	No	12	Yes	No
MOD_All_719	Saudi Thermal Industries Factory	23	239	2399	Yes	42	Yes	Yes
MOD_All_720	Saudi Vetonit Co. Ltd. Factory For Construction Materials	20	202	2029	Yes	84	Yes	Yes
MOD_All_721	SaudiChemicals Company	20	202	2029	Yes	84	Yes	Yes
MOD_All_722	Sawari Al Mashreq Factory for Industry	20	202	2029	Yes	84	Yes	Yes
MOD_All_723	Sayed El-Khabbazin Saudi Arabia Co. Ltd.						No	No
MOD_All_724	Schlumberger Middle East Company	71	711	7110	No	31	Yes	No
MOD_All_725	Sealant Parts Factory	20	202	2022	Yes	84	Yes	Yes
MOD_All_726	Sealant Parts Factory	22	222	2220	Yes	71	Yes	Yes
MOD_All_727	Sealant Parts Factory	28	282	2829	Yes	38	Yes	Yes
MOD_All_728	Security Warehouses	52	521	5210	No	4	No	No
MOD_All_729	Senaat Qoloub Company for Petrochemicals	20	202	2029	Yes	84	Yes	Yes
MOD_All_730	Senaat Qoloub Company for Petrochemicals	46	469	4690	No	17	Yes	No
MOD_All_731	Service Delivery Project Contractor	71	711	7110	No	31	Yes	No
MOD_All_732	Seven Stars Factory for Plastic Galvanizing and Packaging	22	222	2220	Yes	71	Yes	Yes

MOD_All_733	Shaheya Foods Company Limited	10	107	1079	Yes	41	Yes	Yes
MOD_All_734	Shahiya Food Co. Ltd.	10	107	1071	Yes	41	Yes	Yes
MOD_All_735	Sidra Factory Company for Biomedical Media Production	21	210	2100	Yes	5	No	No
MOD_All_736	Siemens Co., Ltd. Factory	71	711	7110	No	31	Yes	No
MOD_All_737	Sigma Paints Saudi Arabia Co., Ltd.	20	202	2022	Yes	84	Yes	Yes
MOD_All_738	Sika Watan Saudi Arabia Co., Ltd. Factory						No	No
MOD_All_739	Sinthomer Middle East Company						No	No
MOD_All_740	SKM Air Conditioning Factory	28	282	2829	Yes	38	Yes	Yes
MOD_All_741	Smart Energy Services Chemical Co. Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_742	Sodium Silicate Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_743	Sohoum Factory for Iron Rolling	25	259	2599	Yes	138	Yes	Yes
MOD_All_744	Solar Energy Systems Co. Factory for Solar Systems	27	279	2790	Yes	41	Yes	Yes
MOD_All_745	Solutions Factory for Tires Production	29	293	2930	Yes	8	Yes	Yes
MOD_All_746	Sponge Iron Co. Ltd	29	299	2599	Yes	8	Yes	Yes
MOD_All_747	Sponge Iron Factory	24	243	2431	Yes	8	Yes	Yes
MOD_All_748	Sponge Iron Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_749	Springs Water Compnay Limited	11	110	1104	Yes	8	Yes	Yes
MOD_All_750	SSEB Saudi Factory						No	No
MOD_All_751	Steel and alloys Co. Ltd.	24	243	2431	Yes	8	Yes	Yes

MOD_All_752	Suhail Abdul Mohsen Al-Shuaibi Co. Factory for Pipe Fitting	25	259	2599	Yes	138	Yes	Yes
MOD_All_753	Suleiman Saleh Al-Rashid Company for Food Industries	10	107	1079	Yes	41	Yes	Yes
MOD_All_754	Synthetic Fiber Co. Ltd.	20	203	2030	Yes	84	Yes	Yes
MOD_All_755	Synthetic Fiber Co. Ltd.	23	239	2395	Yes	42	Yes	Yes
MOD_All_756	Tabuk Pharmaceuticals Manufacturing Company	21	210	2100	Yes	5	No	No
MOD_All_757	Tad Logistics Services Establishment	71	711	7110	No	31	Yes	No
MOD_All_758	Tadamun Al-Hema Co.						No	No
MOD_All_759	Tafaseel Al-Gawda Factory for Plastics	22	222	2220	Yes	71	Yes	Yes
MOD_All_760	Taj Factory for International Insulators	27	279	2790	Yes	41	Yes	Yes
MOD_All_761	Takat Al-Sharq Saudi Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_762	Talabyat Factory for Metals Surface Treatment	25	259	2599	Yes	138	Yes	Yes
MOD_All_763	Talal Sulaiman Al-Ghunaim Real Estate Company	68	681	6810	No	8	Yes	No
MOD_All_764	Tamam Factory for Plastics, Moulds and Metal Forming	25	259	2599	Yes	138	Yes	Yes
MOD_All_765	Tamdeed Factory for Pipes and its Equipment	22	222	2220	Yes	71	Yes	Yes
MOD_All_766	Tamdeed Factory for Pipes and its Equipment	25	259	2599	Yes	138	Yes	Yes
MOD_All_767	Tami Kolwan Al-Najrani Factory for Floor Poles	25	259	2599	Yes	138	Yes	Yes
MOD_All_768	Taqa Singel company						No	No
MOD_All_769	Tbalsa Arabia Company						No	No



MOD_All_770	Technical Center for Non-Destructive Testing	71	712	7120	No	31	Yes	No
MOD_All_771	Technical Principles Factory for Metal Industries	23	239	2399	Yes	42	Yes	Yes
MOD_All_772	Technical Rubber Co. Ltd.	22	221	2219	Yes	71	Yes	Yes
MOD_All_773	Technical Rubber Company Limited Branch	22	221	2219	Yes	71	Yes	Yes
MOD_All_774	Teco Middle East Electric and Machinery Co. Ltd.	28	282	2829	Yes	38	Yes	Yes
MOD_All_775	Telfah Ateeq Al-Shleikhi Factory for Metal Works	25	259	2599	Yes	138	Yes	Yes
MOD_All_776	Tenaris Saudi Arabia Co. Ltd.						No	No
MOD_All_777	Tenhat Mining Co. Ltd.	99	99	990	No	1	No	No
MOD_All_778	Tents and awnings Co. Ltd.	32	329	3290	Yes	10	Yes	Yes
MOD_All_779	Terous Factory for Industrial Services	28	289	2829	Yes	38	Yes	Yes
MOD_All_780	The Arab Company for Manufacturing Industries Factory	28	282	2829	Yes	38	Yes	Yes
MOD_All_781	The Arab Corporation for the formation of iron and tubes	25	259	2599	Yes	138	Yes	Yes
MOD_All_782	The Arab Corporation for Trade, Navigation and Petroleum Works						No	No
MOD_All_783	The Hungry Bunny Factory for Meat Processing	10	101	1010	Yes	41	Yes	Yes
MOD_All_784	The National Factory for the Production of Radiology Equipment	27	279	2790	Yes	41	Yes	Yes
MOD_All_785	The residence of the imam and the muezzin	94	949	9491	No	4	No	No
MOD_All_786	Thomas & Betts Saudi Arabia Company						No	No

MOD_All_787	Three-dimensional Enterprises co. Ltd.						No	No
MOD_All_788	Titanium Industries and Steel Co., Ltd.	25	259	2599	Yes	138	Yes	Yes
MOD_All_789	Tomohat Al-Jazeera Ambitions Factory Co. for Iron & Metal Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_790	Tomohat Al-Jazeera Ambitions Factory Co. for Iron & Metal Industries	29	299	2599	Yes	8	Yes	Yes
MOD_All_791	Torath Belady Factory for Paints and Pastes	20	202	2022	Yes	84	Yes	Yes
MOD_All_792	Trading & Development Co. Factory For Machinery, Equipment and Chemicals Ltd.						No	No
MOD_All_793	Traffic Lights Factory	27	274	2740	Yes	41	Yes	Yes
MOD_All_794	Tri Star Technical Co., Ltd.						No	No
MOD_All_795	UAE Company for Metal Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_796	United Arab Can Manufacturing Company (UAC)	25	259	2599	Yes	138	Yes	Yes
MOD_All_797	United Coatings Manufacturing Company	20	202	2029	Yes	84	Yes	Yes
MOD_All_798	United Coatings Manufacturing Company	25	259	2599	Yes	138	Yes	Yes
MOD_All_799	United Factory for Medical Reagents	21	210	2100	Yes	5	No	No
MOD_All_800	United Lubricating Oil Treatment Company	20	202	2029	Yes	84	Yes	Yes
MOD_All_801	United Mining Co. Factory for Industrial Metals	25	259	2599	Yes	138	Yes	Yes
MOD_All_802	United Stars Transport Contracting Company						No	No
MOD_All_803	Universal Halon Treatment Factory	38	382	3822	Yes	4	No	No

MOD_All_804	USG Middle East Co., Ltd. Factory Branch	71	711	7110	No	31	Yes	No
MOD_All_805	USG Middle East Company Limited	71	711	7110	No	31	Yes	No
MOD_All_806	Valves and Petroleum Equipment Technology Factory	25	259	2599	Yes	138	Yes	Yes
MOD_All_807	Veolia Water Solutions and Technologies Manufacturing Co., Ltd.	28	282	2829	Yes	38	Yes	Yes
MOD_All_808	Veterinary Medicine Products Factory Co., Ltd.	75	750	7500	No	1	No	No
MOD_All_809	Wabara Factory for Industrial Yarns	13	139	1394	Yes	14	Yes	Yes
MOD_All_810	Wacey Factory for Steel Industries	25	259	2599	Yes	138	Yes	Yes
MOD_All_811	Waha Saudi Company Limited for Electric Supplies	46	465	4652	No	17	Yes	No
MOD_All_812	Waha Saudi Company Limited for Electric Supplies (Wescosa)	27	279	2790	Yes	41	Yes	Yes
MOD_All_813	Waha Saudi Factory for Plastic Products	22	222	2220	Yes	71	Yes	Yes
MOD_All_814	Walid Saleh El-Hamed & Partners Co. for Meat	10	101	1010	Yes	41	Yes	Yes
MOD_All_815	Wastewater Treatment Station	38	382	3822	Yes	4	No	No
MOD_All_816	Watan Factory for Industrial Gases	35	352	3520	Yes	16	Yes	Yes
MOD_All_817	Water Pumping Station	36	360	3600	Yes	12	Yes	Yes
MOD_All_818	Water Tank	36	360	3600	Yes	12	Yes	Yes
MOD_All_819	Water well	36	360	3600	Yes	12	Yes	Yes
MOD_All_820	Wedoug Al-Sharq Trading Est.	47	479	4799	No	1	No	No
MOD_All_821	Weir Arabian Metals Company	25	259	2599	Yes	138	Yes	Yes

MOD_All_822	Well	36	360	3600	Yes	12	Yes	Yes
MOD_All_823	Welspun Middle East Pipes Company Limited	22	222	2220	Yes	71	Yes	Yes
MOD_All_824	Welspun Middle East Pipes Company Limited	25	259	2599	Yes	138	Yes	Yes
MOD_All_825	Woodlands Energy Services Limited						No	No
MOD_All_826	World Quality Fiberglass Factory	23	231	2310	Yes	42	Yes	Yes
MOD_All_827	World Quality Fiberglass Factory	23	239	2399	Yes	42	Yes	Yes
MOD_All_828	Yacoub Factory for Ice Production	11	110	1104	Yes	8	Yes	Yes
MOD_All_829	Yacoub Yusuf Alnegedi Factory for Glass	23	231	2310	Yes	42	Yes	Yes
MOD_All_830	Zahrn Company for Maintenance and Operation	71	711	7110	No	31	Yes	No
MOD_All_831	Zain Telecommunications	61	619	6190	No	12	Yes	No
MOD_All_832	Zakhraf International Factory for Wooden Furniture	31	310	3100	Yes	15	Yes	Yes
MOD_All_833	Zamil Central Air Conditioners Co. Factory	27	275	2750	Yes	41	Yes	Yes
MOD_All_834	Zamil Central Air Conditioners Factory	35	353	3530	Yes	16	Yes	Yes
MOD_All_835	Zamil Industrial Coatings Factory	20	202	2029	Yes	84	Yes	Yes
MOD_All_836	Zamil industrial investment Co.						No	No
MOD_All_837	Zamil Plastic Industries Co.	22	222	2220	Yes	71	Yes	Yes
MOD_All_838	Zamil Process Equipment Company (ZPEC)						No	No
MOD_All_839	Zamil Structural Steel Company (ZSSC)	25	251	2511	Yes	138	Yes	Yes
MOD_All_840	Zamil Structural Steel Company (ZSSC)	25	259	2599	Yes	138	Yes	Yes

MOD_All_841	Zamil Towers & Galvanizing Co.	25	259	2599	Yes	138	Yes	Yes
MOD_All_842	Ziad Mohamed Darwish & Partners Factory for Radiators	29	293	2930	Yes	8	Yes	Yes
MOD_All_843	أحواض التبخير						No	No
MOD_All_844	شركة شنايدر الكتریک سیستمس العربية السعودية المحدودة						No	No
MOD_All_845	مصنع منار الخليج للصناعات البلاستيكية						No	No

## Part B

Company_ID	Company Name	Plot Area	Carbon Emissions Intensity	Hazardous Waste Generated?	Recycling Facility Available?	Weighted Score
		m2	kg CO2e/USD			
MOD_All_1	Abahsain Cope Saudi Arabia Ltd Co.	0	0.000	Yes	No	0.00000
MOD_All_2	Abahsain Specialized Industrial Co.Ltd	0	1.384	No	No	0.37576
MOD_All_3	Abahussain Niue Industrial Co. Ltd.	0	0.049	No	No	0.15758
MOD_All_4	Abaqer Company for Printing	0	0.077	No	No	0.00000
MOD_All_5	ABB Ltd.	67772.45	0.038	No	No	0.13534
MOD_All_6	Abdel Basset Al-Hilal Est. for Maintenance and Contracting	0	0.041	No	No	0.00000

MOD_All_7	Abdul Rahman bin Abdul Latif Al Muaibed	0	0.000	No	No	0.00000
MOD_All_8	Abdulaziz Abdullah Al-Rajhi Factory for Metal Industries	0	0.111	No	No	0.27879
MOD_All_9	Abdulaziz Ahmad Al-Fawzan Factory for Electrical Products	0	0.038	No	No	0.09697
MOD_All_10	Abdullah Abdulaziz Al-Rajhi Rubber Factory	0	0.082	No	No	0.25455
MOD_All_11	Abdullah Abunayyan Company	0	0.000	No	No	0.00000
MOD_All_12	Abdullah Ali Al Saif Factory for Cement Products	0	1.384	No	No	0.37576
MOD_All_13	Abdullah Busbate & Partners Co., Ltd.	0	0.000	No	No	0.00000
MOD_All_14	Abdullah Hammoud Al Shuwaier Sons Company Factory for Trading and Contracting / Metal Industries	0	0.111	No	No	0.27879
MOD_All_15	Abdullah Hashim Factory for Equipment and Gases	0	0.000	Yes	No	0.25000
MOD_All_16	Abdullah Ibrahim Al-Nafea Factory for Ready-made Garments	0	0.101	No	No	0.00000
MOD_All_17	Abdullah Mohamed Al-Nemr Factory for Iron Recycling and Forming	0	0.111	No	No	0.27879
MOD_All_18	Abr Al-Kahraba Factory for Electric Boards	0	0.038	No	No	0.09697

MOD_All_19	Abr Al-Khaleej Co. Factory for Industrial Systems	0	0.049	No	No	0.15758
MOD_All_20	Abr Al-Khaleej Co. for Environmental Solutions	0	0.000	No	No	0.00000
MOD_All_21	Abr Al-Khaleej Co. Ltd. for Manufacturing Valves	0	0.111	No	No	0.27879
MOD_All_22	Abraq Factory for Printing and Packaging	0	0.077	No	No	0.00000
MOD_All_23	Abraq Factory for Printing and Packaging	0	0.082	No	No	0.25455
MOD_All_24	Abrasive Technology Factory	0	1.384	Yes	No	0.62576
MOD_All_25	Administrative Building-Cities	0	0.045	No	No	0.00000
MOD_All_26	Advanced Manufacturing for Metal & Glass Co.	0	2.493	No	No	0.38788
MOD_All_27	Advanced Manufacturing for Metal & Glass Co.	0	0.111	No	No	0.27879
MOD_All_28	Advanced Plastic Components Technologies Co. Factory for Polyethylene	0	1.384	No	No	0.37576
MOD_All_29	Advanced Valves Works Company Factory	0	0.111	No	No	0.27879
MOD_All_30	Adwaa Al-Rawafed Factory for Electric Industries	0	0.038	No	No	0.09697
MOD_All_31	Ahmed Gharam Allah Al-Ghamdi & Bros. Co. Factory for Paper Products	0	0.468	No	No	0.35152

MOD_All_32	Ahmed Gharam Allah Al-Ghamdi & Bros. Co. Factory for Paper Products	0	0.468	No	No	0.35152
MOD_All_33	Ahmed Nasser Albinali & Sons Factory	0	0.000	No	No	0.00000
MOD_All_34	Ahmed Saeed Afifi & Partner Aluminium Factory Company	0	0.111	No	No	0.27879
MOD_All_35	Ahmed Saeed Afifi & Partner Factory for Melamine Panels	0	0.082	No	No	0.25455
MOD_All_36	Air Circulation Factory for Ventilation	0	0.049	No	No	0.15758
MOD_All_37	AISCell Saudi Arabia Company	0	0.000	No	No	0.00000
MOD_All_38	Akram Khair Bader & Partner Factory for the Production of Packaging Pens	0	0.082	No	No	0.25455
MOD_All_39	Akzonobel Saudi Arabia Co. Ltd.	0	1.384	Yes	No	0.62576
MOD_All_40	Al Abbas Carton Factory	0	0.468	No	No	0.35152
MOD_All_41	Al Ajab Metal Galvanizing and Coating Factory	0	0.111	No	No	0.27879
MOD_All_42	Al Dehaim Factory for Photo Frames and Decor	0	0.045	No	No	0.14545
MOD_All_43	Al Derbas Asphalt Emulsion Co.	0	3.688	No	No	0.00000
MOD_All_44	Al Dossary Macaroni Factory	0	0.179	No	No	0.32727



MOD_All_45	Al Ebtekar for Packaging and Printing	0	0.077	No	No	0.00000
MOD_All_46	Al Fozan Steel Industries Company	0	0.111	Yes	No	0.52879
MOD_All_47	Al Fozan Wood Products Company	0	0.068	No	No	0.19394
MOD_All_48	Al Ghamdi Wood Industries Factory	0	0.068	No	No	0.19394
MOD_All_49	Al Hussaini Walihai Co. Factory for Insulation Panels	0	0.038	No	No	0.09697
MOD_All_50	Al Huwail Factory for Tire Retreading	0	0.082	No	Yes	0.45455
MOD_All_51	Al Ittefaq Steel Factory	0	0.111	Yes	No	0.52879
MOD_All_52	Al Kanafany Original Konafa Co.	0	0.000	No	No	0.00000
MOD_All_53	Al Kuhaimi Metal Industries Factory (KMI)	0	0.111	No	No	0.27879
MOD_All_54	Al Matroud Factory For Food Powders	0	0.179	No	No	0.32727
MOD_All_55	Al Muhaidib Technical Services Co. Factory	0	0.049	No	No	0.15758
MOD_All_56	Al Nour Sun & Medical Lenses Factory	0	0.044	No	No	0.00000
MOD_All_57	Al Rashed Fasteners and Engineering Fabrication Services	0	0.111	Yes	No	0.52879
MOD_All_58	Al Rashed Fasteners and Fabrication Services Factory	0	0.111	No	No	0.27879

MOD_AII_59	Al Rasheed Aluminium Kitchens Factory Co.	0	0.045	No	No	0.14545
MOD_AII_60	Al Razi Pharma Industry Factory	0	0.075	No	No	0.00000
MOD_AII_61	Al Rida Carton Packaging Factory	0	0.468	No	No	0.35152
MOD_AII_62	Al Rumaih Furniture Manufacturing Factory	0	0.045	No	No	0.14545
MOD_AII_63	Al Rumaih Spring Mattress Factory	0	0.045	No	No	0.14545
MOD_AII_64	Al Salama Radiator Factory	0	0.030	No	No	0.07273
MOD_AII_65	Al Shaheen Metal Industries Co. Ltd.	0	0.111	No	No	0.27879
MOD_AII_66	Al Shubrumyah Aerosol Factory	0	1.384	No	No	0.37576
MOD_AII_67	Al Yashmac Readymade Garments Factory	0	0.101	No	No	0.00000
MOD_AII_68	Al- Ofoq Al-Ali Factory for Propagandas and Advertisments	0	0.077	No	No	0.00000
MOD_AII_69	Al- Yamama Steel Industries Co. Ltd.	0	0.111	No	No	0.27879
MOD_AII_70	Al-Abdul Rahman Plastic Factory	0	0.082	No	No	0.25455
MOD_AII_71	Al-Alamia Electrical Products Factory	0	0.038	No	No	0.09697
MOD_AII_72	Al-Alamia Factory for Chemical Additives	0	1.384	No	No	0.37576
MOD_AII_73	Al-Alia Chemicals Factory Company	0	1.384	No	No	0.37576

MOD_All_74	Al-Andalus Aluminium Extrusion & Forming Factory	0	0.111	No	No	0.27879
MOD_All_75	Al-Aqeer Gypsum Factory	0	2.493	No	No	0.38788
MOD_All_76	Al-Asri Electrical Equipment & Transformers Factory	0	0.038	No	No	0.09697
MOD_All_77	Al-Baha Factory for Air-Conditioning Units	0	0.049	No	No	0.15758
MOD_All_78	Al-Bakhit bin Hassan Saleh Al-Rashidi	0	0.000	No	No	0.00000
MOD_All_79	Al-Bandariah International Metal Industries Company Factory	0	0.111	No	No	0.27879
MOD_All_80	Al-Banger Factory for Plastics Ltd.	0	0.082	No	No	0.25455
MOD_All_81	Al-Bilad Fire Fighting Systems Co. Ltd.	0	0.045	No	No	0.14545
MOD_All_82	Al-Dabal Scaffolding Factory	0	0.111	No	No	0.27879
MOD_All_83	Al-Dabal Scaffolding Factory	0	0.000	No	No	0.00000
MOD_All_84	Al-Deqa Factory for the Manufacture of Flanges and Pipe Fittings	0	0.111	No	No	0.27879
MOD_All_85	Al-Faisal Steel Industries Factory	66437.16	1.283	No	No	0.39503
MOD_All_86	Al-Faisal Steel Industries Factory	66437.16	0.111	No	No	0.31018

MOD_All_87	Al-Hadara Wood Industries Co.	0	0.068	No	No	0.19394
MOD_All_88	Al-Hamd Factory for Aluminium Foil	0	0.111	No	No	0.27879
MOD_All_89	Al-Hamd Factory for Tissue Paper & Blotting Paper	0	0.468	No	No	0.35152
MOD_All_90	Al-Hasamahia Fiberglass Factory	0	2.493	No	No	0.38788
MOD_All_91	Al-Hayat Carpet Factory	0	0.101	No	No	0.26667
MOD_All_92	Al-Hayat Pharmaceuticals Factory	0	0.075	No	No	0.00000
MOD_All_93	Al-Hedmol Trading Establishment	0	0.000	No	No	0.00000
MOD_All_94	Al-Hilal Modern Plastic Factory	0	0.082	No	No	0.25455
MOD_All_95	Al-Hirafi Al-Maher Factory for Wood Industries	0	0.068	No	No	0.19394
MOD_All_96	Al-Hoot Gulf Factory for Prefabricated Houses	0	0.000	No	No	0.00000
MOD_All_97	Al-Iman Factory	0	1.384	No	No	0.37576
MOD_All_98	Al-Iman Factory	0	0.111	No	No	0.27879
MOD_All_99	Al-Jabal Factory for Tahini and Tahini Halva	0	0.179	No	No	0.32727
MOD_All_100	Al-Jadid Global Factory for Plastic & Metal Recycling	0	0.082	No	Yes	0.45455

MOD_All_101	Al-Jadid Global Factory for Plastic & Metal Recycling	0	0.313	No	Yes	0.00000
MOD_All_102	Al-Jamal Al-Sharqi Factory for Cosmetics	0	0.053	No	No	0.00000
MOD_All_103	Al-Jazea Factory for the Production of Polyethylene Pipes	0	2.493	No	No	0.38788
MOD_All_104	Al-Jazi Bint Hazzaa Al-Raweesh Factory for plastic industries	0	0.082	No	No	0.25455
MOD_All_105	Al-Jazira Factory for Rebar Coating	0	0.111	No	No	0.27879
MOD_All_106	Al-Jazirah Technology Furniture Factory	0	0.045	No	No	0.14545
MOD_All_107	Al-Joaib Factory for Wooden and Metal Furniture	0	0.068	No	No	0.19394
MOD_All_108	Al-Joaib Plastic and Rubber Factory	0	0.082	No	No	0.25455
MOD_All_109	Al-Jubail Factory for Pastries and Sweets	0	0.179	No	No	0.32727
MOD_All_110	Al-Kaabi Ironware Manufacturing and Coating Factory	0	0.111	No	No	0.27879
MOD_All_111	Al-Khabar Advanced Co. for Support Services	64851.64	0.000	No	No	0.00000
MOD_All_112	Al-Khair Plastic Factory	0	0.082	No	No	0.25455
MOD_All_113	Al-Khalidiya Factory for Plastic Processing	0	0.082	No	No	0.25455

MOD_All_114	Al-Kharif Factory for Re-engineering and Spare Parts Production	0	0.045	No	No	0.14545
MOD_All_115	Al-Kharif Petroleum Co.	0	0.053	No	No	0.00000
MOD_All_116	Al-Kharif Petroleum Co. for Submersible Electric Pumps	0	0.053	No	No	0.00000
MOD_All_117	Al-Lamaa Wooden and Metal Furniture Factory	0	0.068	No	No	0.19394
MOD_All_118	Al-Magul Factory for Oxidized Asphalt and Insulation Material	0	3.688	Yes	No	0.00000
MOD_All_119	Al-Majdouie Steel Industries Factory	72779.77	0.111	No	No	0.32414
MOD_All_120	Al-Mamlaka Chocolate and Confectionery Factory	0	0.179	No	No	0.32727
MOD_All_121	Al-Manaraten Factory Insulated Concrete Blocks and Prefabricated Concrete Parts	63202.53	2.493	No	No	0.40183
MOD_All_122	Al-Marefa Distinguished Factory for Air Channels	0	0.000	No	No	0.00000
MOD_All_123	Al-Masalah Air Conditioners Factory	0	1.384	No	No	0.37576
MOD_All_124	Al-Moahala Plastics Factory	0	0.082	No	No	0.25455
MOD_All_125	Al-Mohandeson Al-Saudion Factory for Metal Development	0	0.111	No	No	0.27879
MOD_All_126	Al-Mona Cans Industry Factory	0	0.111	No	No	0.27879

MOD_All_127	Al-Mona Establishment for Tahini Halva Production	0	0.179	No	No	0.32727
MOD_All_128	Al-Namozagya Co. for Precast Concrete systems	66232.92	2.493	No	No	0.41230
MOD_All_129	Al-Nisr Al-Aswad International Factory	0	0.000	No	No	0.00000
MOD_All_130	Al-Nojoom Al-Motahada Factory for Transport and Contracting	0	0.069	No	No	0.00000
MOD_All_131	Al-Olayan Aluminum Kitchen Palace Factory	0	0.045	No	No	0.14545
MOD_All_132	Al-Osaimi Industrial Iron Factory	0	0.111	No	No	0.27879
MOD_All_133	Al-Qabbani Commercial Center Factory for Sweets	0	0.179	No	No	0.32727
MOD_All_134	Al-Qasr Mattresses and Bedspreads Factory	0	0.045	No	No	0.14545
MOD_All_135	Al-Raja Factory For Manufacturing Computer Paper	0	0.468	No	No	0.35152
MOD_All_136	Al-Rimal Al-Sharqia Factory Co.	0	0.082	No	No	0.25455
MOD_All_137	Al-Rimal Al-Sharqia Factory Co.	0	0.111	No	No	0.27879
MOD_All_138	Al-Rouf Electrical Accessories Factory	0	0.038	No	No	0.09697
MOD_All_139	Al-Saidi Factory for Cleaning Products	0	1.384	Yes	No	0.62576
MOD_All_140	Al-Sail Water Factory	0	0.179	No	No	0.32727

MOD_All_141	Al-Samaani Factory for Car Bodies and Prefabricated Homes	0	0.000	No	No	0.00000
MOD_All_142	Al-Sayani Company Limited Branch	0	0.000	No	No	0.00000
MOD_All_143	Al-Shamrani Trading & Industry Co. Factory	0	0.000	No	No	0.00000
MOD_All_144	Al-Sharqia Heaters Factory	0	0.038	No	No	0.09697
MOD_All_145	Al-Sharqiya aluminum extrusion Factory	0	0.111	No	No	0.27879
MOD_All_146	Al-Sharqiya Carton Manufacturing Factory - Esernbak	0	0.468	No	No	0.35152
MOD_All_147	Al-Sharqiya Cement Products Factory	0	0.000	No	No	0.00000
MOD_All_148	Al-Sharqiya Establishment for Metal lifting Platforms and Steel Plates	0	0.111	No	No	0.27879
MOD_All_149	Al-Sharqiya Establishment for Metal lifting Platforms and Steel Plates	0	0.049	No	No	0.15758
MOD_All_150	Al-Sharqiya Foods Factory	0	0.179	No	No	0.32727
MOD_All_151	Al-Sharqiya Platforms Factory	0	0.111	No	No	0.27879
MOD_All_152	Al-Sharqiya United Co. Factory for Valves	0	0.111	No	No	0.27879



<b>MOD_All_153</b>	<b>Al-Smou Factory Company for the Production of Drinking Water Limited</b>	<b>0</b>	<b>0.179</b>	<b>No</b>	<b>No</b>	<b>0.32727</b>
<b>MOD_All_154</b>	<b>Al-Tagbeer Global Factory Co.</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_155</b>	<b>Al-Takamul Modern Contracting Co.</b>	<b>0</b>	<b>0.041</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_156</b>	<b>Al-Teknia Al-Alia for Pressure Vessels and Heat Exchangers</b>	<b>0</b>	<b>0.049</b>	<b>No</b>	<b>No</b>	<b>0.15758</b>
<b>MOD_All_157</b>	<b>Al-Telal Saudi Factory for Metal Industries</b>	<b>0</b>	<b>0.111</b>	<b>No</b>	<b>No</b>	<b>0.27879</b>
<b>MOD_All_158</b>	<b>Al-Thalaga International Company</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_159</b>	<b>Al-Theyab Marketing Co. Ltd.</b>	<b>0</b>	<b>0.017</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_160</b>	<b>Al-Tuwairqi Energy Corporation</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_161</b>	<b>Al-Tuwairqi Mosque</b>	<b>0</b>	<b>0.115</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_162</b>	<b>Al-Usaimi Iron and Steel Factory</b>	<b>0</b>	<b>1.283</b>	<b>No</b>	<b>No</b>	<b>0.36364</b>
<b>MOD_All_163</b>	<b>Al-Usaimi Iron and Steel Factory</b>	<b>0</b>	<b>0.111</b>	<b>No</b>	<b>No</b>	<b>0.27879</b>
<b>MOD_All_164</b>	<b>Al-Wahd Car Body Manufacturing Co.</b>	<b>0</b>	<b>0.030</b>	<b>No</b>	<b>No</b>	<b>0.07273</b>
<b>MOD_All_165</b>	<b>Al-Yarmouk Al-Sharqiya Factory for the production of Electrical Distribution Panels and Transfer Stations</b>	<b>0</b>	<b>0.038</b>	<b>No</b>	<b>No</b>	<b>0.09697</b>

MOD_All_166	Al-Yarmouk Al-Sharqiya Wooden Platforms Factory	0	0.068	No	No	0.19394
MOD_All_167	Alaa Al Jazeera for Elevators & Escalators	0	0.038	No	No	0.09697
MOD_All_168	Alam Al-Muntazah Factory for Food Industries	0	0.179	No	No	0.32727
MOD_All_169	Alam Al-Muntazah Holding Company	0	0.000	No	No	0.00000
MOD_All_170	Alassad Steel Factory	0	0.111	No	No	0.27879
MOD_All_171	Albattal Chemical Industries Factory	0	1.384	No	No	0.37576
MOD_All_172	Ali and Reda Mohamed Al Ferdan Co. Factory for Boats Production	0	0.037	No	No	0.00000
MOD_All_173	Ali Hassan Al-Saud & Sons Co. Factory for Industrial Marble and Granite	0	0.000	No	No	0.00000
MOD_All_174	Ali Hassan Al-Saud & Sons Co. for Industrial Marble and Granite	0	1.384	No	No	0.37576
MOD_All_175	Ali Salem Al-Khaldi Factory for the Manufacture of Buildings Facades	0	0.000	No	No	0.00000
MOD_All_176	Almana Medical Polyclinic	0	0.127	No	No	0.00000
MOD_All_177	Alp La Middle East Plastic Company Saudi Arabia	0	0.082	No	No	0.25455

MOD_All_178	Altera Arabia Co. Ltd	0	0.000	No	No	0.00000
MOD_All_179	Aluminum and Wrought Iron Engineering Factory	0	0.111	No	No	0.27879
MOD_All_180	Aluminum Manufacturing Co., Ltd (Alumaco)	0	0.111	No	No	0.27879
MOD_All_181	Alwan Lotus Paints Factory Ltd	0	1.384	No	No	0.37576
MOD_All_182	Aman and Hemaya Factory for the manufacture of explosion and fire resistant electric materials	0	2.493	No	No	0.38788
MOD_All_183	Amd Al-Benaa Trading Est.	0	0.000	No	No	0.00000
MOD_All_184	Amwaj Al-Seef Factory for Shades Manufacturing	0	0.111	No	No	0.27879
MOD_All_185	Amwaj Al-Seef Factory for Shades Manufacturing	0	0.045	No	No	0.14545
MOD_All_186	Anjad Plastic Industries Factory Co.	0	0.082	No	No	0.25455
MOD_All_187	Arab Daris Raed Company	0	0.000	No	No	0.00000
MOD_All_188	Arab Dynamic Solutions Consulting & Research Company	0	0.041	No	No	0.00000
MOD_All_189	Arab Industrial Calibration Company	0	0.041	No	No	0.00000
MOD_All_190	Arab Iron Works Factory	0	0.111	No	No	0.27879

MOD_All_191	Arab National Bank (ANB)	0	0.013	No	No	0.00000
MOD_All_192	Arab Paper Manufacturing Co. Ltd. - Waraq	179233.84	0.468	No	No	0.48756
MOD_All_193	Arab Paper Manufacturing Co. Ltd. - Waraq	179233.84	0.038	No	No	0.23302
MOD_All_194	Arab Spinning, Textile and Blankets Company	0	0.101	No	No	0.26667
MOD_All_195	Arab Spinning, Textile and Blankets Company	0	0.101	No	No	0.26667
MOD_All_196	Arabian Company Factory for Water Pipe Industry	99997.1	0.082	No	No	0.32780
MOD_All_197	Arabian Company for Equipment Industries and Drilling Rigs	0	0.053	No	No	0.00000
MOD_All_198	Arabian Fiberglass Insulation Co. (AFICO)	0	2.493	No	No	0.38788
MOD_All_199	Arabian Galvanizing Factory	0	0.111	No	No	0.27879
MOD_All_200	Arabian Newkot Company	0	0.000	No	No	0.00000
MOD_All_201	Arabian Point Eight Power Co.	0	0.000	No	No	0.00000
MOD_All_202	Arabian Qodra Company	0	0.000	No	No	0.00000
MOD_All_203	Arabian Refractories Factory CO.	0	2.493	No	No	0.38788
MOD_All_204	Arabian Refractories Factory CO.	0	0.111	No	No	0.27879

MOD_All_205	Arabian Transformers Co.	0	0.038	No	No	0.09697
MOD_All_206	Aran Business Co. Ltd.	0	0.000	No	No	0.00000
MOD_All_207	ARASCO Chemicals Factory (ARCHEM)	0	1.384	No	No	0.37576
MOD_All_208	ARASCO Factory for Chemical Industries (Archem)	0	1.384	No	No	0.37576
MOD_All_209	Arkaz Alsharq Building Materials Co. Factory	0	0.000	No	No	0.00000
MOD_All_210	ARKAZ Factory for Engineering Industries	0	0.111	No	No	0.27879
MOD_All_211	ARKAZ Factory for Engineering Industries	0	0.049	No	No	0.15758
MOD_All_212	ARNON Plastic Industries Co. Factory	0	0.082	No	No	0.25455
MOD_All_213	Asamco Aluminium Systems Factory	0	2.493	No	No	0.38788
MOD_All_214	Asamco Aluminium Systems Factory	0	0.111	No	No	0.27879
MOD_All_215	Asbak Factory for Building Materials	60917.2	0.000	No	No	0.00000
MOD_All_216	Asdaf Shadan Kitchens Factory	0	0.045	No	No	0.14545
MOD_All_217	Astra Industrial Complex Company for Fertilizers and Agricultural Pesticides	0	1.384	Yes	No	0.62576
MOD_All_218	Astra Industrial Factory for Fertilizers and Pesticides	0	1.384	No	No	0.37576

MOD_All_219	Astra Polymer Compounding Co.	0	1.384	No	No	0.37576
MOD_All_220	Aswar Factory for the Production of Nets	0	0.101	No	No	0.26667
MOD_All_221	Aujan Factory for Rani and Femto Refreshments	0	0.179	No	No	0.32727
MOD_All_222	Australian Arab Laboratory Services Company	0	0.041	No	No	0.00000
MOD_All_223	Axles, Foundries & Spare Parts Factory	0	1.283	Yes	No	0.61364
MOD_All_224	Axles, Foundries & Spare Parts Factory	0	0.111	Yes	No	0.52879
MOD_All_225	Azer Petroleum Contracting Company	0	0.000	No	No	0.00000
MOD_All_226	Azman Steel Co.	0	0.111	No	No	0.27879
MOD_All_227	Azman Steel Co.	0	0.111	No	No	0.27879
MOD_All_228	Azman Steel Galvanization Co.	0	0.111	No	No	0.27879
MOD_All_229	Baby Items & Metal Products Factory	0	0.045	No	No	0.14545
MOD_All_230	Baby Items & Metal Products Factory	0	0.045	No	No	0.14545
MOD_All_231	Bader Nasser Rashid Al Tukhaim Factory for Steel Sectors	0	0.111	No	No	0.27879
MOD_All_232	Badr Sulaiman Al Nahdi Trading Establishment	0	0.000	No	No	0.00000
MOD_All_233	Bainehal Arab Food Co. Ltd.	0	0.179	No	No	0.32727

MOD_All_234	Bainehal Arab Food Co. Ltd.	0	0.179	No	No	0.32727
MOD_All_235	Baker Petroleum Saudi Company Ltd	0	0.041	No	No	0.00000
MOD_All_236	Balhamer Factory For Granite Powder	0	2.493	No	No	0.38788
MOD_All_237	Balhamer Factory for Wood Paint	0	1.384	No	No	0.37576
MOD_All_238	Balhamer Roller & Brush Factory	0	0.049	No	No	0.15758
MOD_All_239	Bandariyah International Co. Ltd. (BIC)	0	0.000	No	No	0.00000
MOD_All_240	Batook Chewing Gum Co.	0	0.179	No	No	0.32727
MOD_All_241	Bawabat Al-Masmak Factory for Metal and Wood Industries	0	0.068	No	No	0.19394
MOD_All_242	Bawan Company Ltd.	0	0.000	No	No	0.00000
MOD_All_243	Bawan Wood Industries Co.	0	0.068	No	No	0.19394
MOD_All_244	Baxter Co. Ltd. (BCL)	0	1.384	No	No	0.37576
MOD_All_245	Bedon Esm Factory for Garment Industry	0	0.101	No	No	0.00000
MOD_All_246	Bina Advanced Concrete Products Company Factory	0	0.000	No	No	0.00000
MOD_All_247	Bina Advanced Concrete Products Factory	0	0.000	No	No	0.00000
MOD_All_248	Biochemical Factory	0	1.384	No	No	0.37576

MOD_All_249	Bischof + Klein Middle East Co.	0	0.000	No	No	0.00000
MOD_All_250	Bituminous Products Co. Ltd. (BITUMAT)	0	1.384	Yes	No	0.62576
MOD_All_251	Bituminous Products Co. Ltd. (BITUMAT)	0	1.384	Yes	No	0.62576
MOD_All_252	Black Arrow Factory for Detergents	0	1.384	Yes	No	0.62576
MOD_All_253	Black Arrow Factory for Kitchens	0	0.045	No	No	0.14545
MOD_All_254	Blast Powell Arab Co. Ltd.	0	0.041	No	No	0.00000
MOD_All_255	Bo Won Lee Factory for Steel Constructions and Industries	0	0.111	No	No	0.27879
MOD_All_256	Bostani Chocolate & Gifts Factory Co.	0	0.179	No	No	0.32727
MOD_All_257	Branch of BRC Saudi Arabia Industrial Co., Ltd	0	0.000	No	No	0.00000
MOD_All_258	Branch of Cooper Industries Middle East Company LLC	0	0.000	No	No	0.00000
MOD_All_259	Branch of Frisco Arabia Trading Company,	0	0.000	No	No	0.00000
MOD_All_260	Branch of Makhabez Al-Hatab Co., Ltd.	0	0.000	No	No	0.00000
MOD_All_261	Branch of the General Electric International, Inc.	74028.37	0.038	No	No	0.14581
MOD_All_262	Building Components Company	0	0.000	No	No	0.00000



MOD_All_263	Building Materials Industries Technology Company Factory	0	0.000	No	No	0.00000
MOD_All_264	Canary Factory for Chemical Detergent and Disinfectants	0	1.384	No	No	0.37576
MOD_All_265	Cathodic Protection Systems Factory Co., Ltd.	0	0.000	No	No	0.00000
MOD_All_266	Ceaser Saudi Arabia Company	0	0.000	No	No	0.00000
MOD_All_267	Champion Arab Company Factory	0	0.000	No	No	0.00000
MOD_All_268	Chemical Reagents Detection Factory	0	1.384	No	No	0.37576
MOD_All_269	Chemicals & Metals Factory	0	1.384	No	No	0.37576
MOD_All_270	Children's Steel Toys Factory	0	0.111	No	No	0.27879
MOD_All_271	Children's Steel Toys Factory	0	0.045	No	No	0.14545
MOD_All_272	Civil Defence	0	0.000	No	No	0.00000
MOD_All_273	Clarinettes Ali Al-Abdallah Al-Tamimi	0	0.000	Yes	No	0.00000
MOD_All_274	Communication Towers Company Limited	0	0.013	No	No	0.00000
MOD_All_275	Concrete Buildings Factory	112011.88	0.000	No	No	0.00000
MOD_All_276	Consultant offices	0	0.041	No	No	0.00000
MOD_All_277	Contractor office	0	0.041	No	No	0.00000

MOD_All_278	Cooperative Office for Call, Guidance and Awareness of Expatriates in Dhahran	0	0.115	No	No	0.00000
MOD_All_279	Crestwood Factory Co. for Wood Works	0	0.068	No	No	0.19394
MOD_All_280	Daifullah Saeed Al-Shahrani Contracting Est	0	0.000	No	No	0.00000
MOD_All_281	Dakhil Allah Hasen Al-Ewafi Aluminium Factory	0	0.111	No	No	0.27879
MOD_All_282	Dammam Dome Plastic Factory	0	0.082	No	No	0.25455
MOD_All_283	Dammam Wire Mesh, Coating & Wires Factory	0	0.111	No	No	0.27879
MOD_All_284	Dar Al-Halawiyat Factory Co.	0	0.000	No	No	0.00000
MOD_All_285	Dar Al-Yousifieh Group Holding Company	0	0.000	No	No	0.00000
MOD_All_286	Data Hub Information Technology Company	0	0.013	No	No	0.00000
MOD_All_287	Dawy International Group Co.	0	0.000	No	No	0.00000
MOD_All_288	Delmon Co. Factory for Industrial and Mechanical Insulators	0	0.038	No	No	0.09697
MOD_All_289	Diab Factory for Plastics	0	0.082	No	No	0.25455
MOD_All_290	Disposable Catering Packaging Materials Production Company	0	0.082	No	No	0.25455
MOD_All_291	Drilling Fluids Factory	0	0.000	No	No	0.00000

MOD_All_292	Drilling Material Company Factory	0	0.000	No	No	0.00000
MOD_All_293	Drilling Materials Trading Est.	0	1.384	No	No	0.37576
MOD_All_294	Drinking Water Desalination Station	0	0.053	No	No	0.16970
MOD_All_295	Eastern Gulf Factory for Industry	0	0.000	No	No	0.00000
MOD_All_296	Eastern Sands Industrial Company	0	0.000	No	No	0.00000
MOD_All_297	Ebara Pumps Saudi Arabia Ltd.	0	0.053	No	No	0.00000
MOD_All_298	Eissa Amir Al-Manhali Trading Est.	0	0.000	No	No	0.00000
MOD_All_299	El-Safa Aluminum Manufacturing Company and Factory	0	0.111	No	No	0.27879
MOD_All_300	El-Semo Factory for Production of Drinking water	0	0.179	No	No	0.32727
MOD_All_301	Electric Grid Strengthening Station (SCECO)	0	0.000	No	No	0.00000
MOD_All_302	Electric Water Heaters Co. Factory	0	0.038	No	No	0.09697
MOD_All_303	Electronic and Electrical Industries Corporation	0	0.053	No	No	0.00000
MOD_All_304	Emerson Climate Technologies Arabia Ltd Co.	0	0.049	No	No	0.15758
MOD_All_305	Emicon Saudi Co. Ltd.	0	0.000	No	No	0.00000

MOD_All_306	Energy Investment Company for Metal Products Factory	0	0.111	No	No	0.27879
MOD_All_307	Energy, Industry and Chemical Materials Equipment Factory	0	0.049	No	No	0.15758
MOD_All_308	Engineering Nets Technology Co.	0	0.101	No	No	0.26667
MOD_All_309	Entertainment Center	0	0.075	No	No	0.00000
MOD_All_310	Essam Mohamed Kabbani Factory for Insulators	0	0.038	No	No	0.09697
MOD_All_311	Etihad Atheeb Telecom Company	0	0.013	No	No	0.00000
MOD_All_312	Exhibitions	0	0.045	No	No	0.00000
MOD_All_313	EXNESS Mohafaza Saudi Co. Ltd	0	0.000	No	No	0.00000
MOD_All_314	Exploited without a contract of Al-Shamrani Trade and Industry Company	0	0.000	No	No	0.00000
MOD_All_315	Fabco Plastic Factory Ltd.	0	0.082	No	No	0.25455
MOD_All_316	Factory of Saleh and Abdul Aziz Abou Hussein Co. for Chemicals Industry	0	1.384	No	No	0.37576
MOD_All_317	Fafa Factory for Packaging Industries	0	0.082	No	No	0.25455
MOD_All_318	Fahd Albiby & Partner Co. for Foodstuff Packing	0	0.468	No	No	0.35152

MOD_All_319	Fahd Bin Ibrahim Al-Damegh Factory for Industrial Solutions	0	0.000	No	No	0.00000
MOD_All_320	Fahd Thunayan Al-Thunayan & Partners Co. for Chemical Products	0	1.384	No	No	0.37576
MOD_All_321	Fajr Al-Ibtikar Contrating Est.	0	0.000	No	No	0.00000
MOD_All_322	FAPCO Plastic Factory	0	0.082	No	No	0.25455
MOD_All_323	Faris Al Sharqiah Contracting Est	0	0.041	No	No	0.00000
MOD_All_324	Fiber Q-Lite Industries Arabic	0	2.493	No	No	0.38788
MOD_All_325	Fire Direction Center Co., Ltd.	0	0.045	No	No	0.14545
MOD_All_326	Fire Extinguishing Equipment & Risks Control Devices Co., Ltd.	0	0.049	No	No	0.15758
MOD_All_327	Firefighting Equipment and Hazard Controls Company Branch	0	0.041	No	No	0.00000
MOD_All_328	Flexible tube technology company	0	0.111	No	No	0.27879
MOD_All_329	Flowserve Aba Hussein Flucontrol Co. Ltd. Factory	0	0.049	No	No	0.15758
MOD_All_330	Fluorite Co. Factory for Valves	0	0.111	No	No	0.27879
MOD_All_331	FMC Technologies Saudi Arabia Ltd	0	0.000	No	No	0.00000

MOD_All_332	Fonoun Al-Rasheed Aluminum Extrusions Co.	0	0.111	No	No	0.27879
MOD_All_333	Fonoun Factory for Fiberglass Products	0	2.493	No	No	0.38788
MOD_All_334	Fonoun Factory for Fiberglass Products	0	2.493	No	No	0.38788
MOD_All_335	Fonoun Factory for Metal Products	0	0.111	No	No	0.27879
MOD_All_336	Food Assurance Company Branch	0	0.000	No	No	0.00000
MOD_All_337	Food Charitable Society (Etaam)	0	0.013	No	No	0.00000
MOD_All_338	Food Industries Company	0	0.179	No	No	0.32727
MOD_All_339	Food Makers Co. Ltd.	0	0.179	No	No	0.32727
MOD_All_340	Foras Company for Investment and Real Estate Development	143355.94	0.010	No	No	0.00000
MOD_All_341	Fosam Co. Ltd.	0	0.000	No	No	0.00000
MOD_All_342	Future Ceramic & Porcelain Company	277301.77	0.082	No	No	0.40106
MOD_All_343	Future Ceramic & Porcelain Company	277301.77	2.493	No	No	0.53439
MOD_All_344	Future Ceramic & Porcelain Company	277301.77	2.493	No	No	0.53439
MOD_All_345	Future Ceramic & Porcelain Company	277301.77	0.045	No	No	0.29197
MOD_All_346	Future Pipe Industry Co., Ltd.	121825.83	0.111	No	No	0.38693
MOD_All_347	Gabal Najran Factory for Metal Pieces	0	0.111	No	No	0.27879

<b>MOD_All_348</b>	<b>Gadf Factory for Castings and Ductiles</b>	<b>0</b>	<b>0.111</b>	<b>No</b>	<b>No</b>	<b>0.27879</b>
<b>MOD_All_349</b>	<b>Gas Al-Sharq Company Factory</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_350</b>	<b>GE Oil &amp; Gas Pressure Control Middle East Co., Ltd. Factory</b>	<b>0</b>	<b>0.038</b>	<b>No</b>	<b>No</b>	<b>0.09697</b>
<b>MOD_All_351</b>	<b>GE Oil &amp; Gas Pressure Control Middle East Co., Ltd. Factory</b>	<b>0</b>	<b>0.041</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_352</b>	<b>Gearflower Middle East Branch</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_353</b>	<b>Gebal Najran Factory for Metal Products</b>	<b>0</b>	<b>0.111</b>	<b>No</b>	<b>No</b>	<b>0.27879</b>
<b>MOD_All_354</b>	<b>General Technical &amp; Safety Training Centre</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_355</b>	<b>Ghali Maadi Al-Sebeaei Factory for Marble, Granite and Stone</b>	<b>0</b>	<b>2.493</b>	<b>No</b>	<b>No</b>	<b>0.38788</b>
<b>MOD_All_356</b>	<b>Ghalia Factory for Food Industries</b>	<b>0</b>	<b>0.179</b>	<b>No</b>	<b>No</b>	<b>0.32727</b>
<b>MOD_All_357</b>	<b>Ghassan Mohamed Al-Majid Factory for Industrial Sponge</b>	<b>0</b>	<b>1.384</b>	<b>No</b>	<b>No</b>	<b>0.37576</b>
<b>MOD_All_358</b>	<b>Ghazaa Al-Mustahlek Factory for Food Products Packing</b>	<b>0</b>	<b>0.468</b>	<b>No</b>	<b>No</b>	<b>0.35152</b>
<b>MOD_All_359</b>	<b>Ghazaa Al-Mustahlek Factory for Food Products Packing</b>	<b>0</b>	<b>0.468</b>	<b>No</b>	<b>No</b>	<b>0.35152</b>
<b>MOD_All_360</b>	<b>Global Marine Services Company</b>	<b>0</b>	<b>0.041</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>

MOD_All_361	Global Steel Dust Gulf Co.	0	0.111	Yes	No	0.52879
MOD_All_362	Golden Chip Company Factory (GCCF)	0	0.179	No	No	0.32727
MOD_All_363	Graphco Saudi Company	0	0.468	No	No	0.35152
MOD_All_364	Group Five Pipe Saudi Co. (G5PS)	201686.84	0.111	No	No	0.42181
MOD_All_365	Group Five Pipe Saudi Co. (G5PS)	201686.84	0.111	No	No	0.00000
MOD_All_366	Guf Market Factory for Steel Industries	0	0.111	No	No	0.27879
MOD_All_367	Gulf Automobiles Factory	0	0.030	No	No	0.07273
MOD_All_368	Gulf Automobiles Factory	0	0.000	No	No	0.00000
MOD_All_369	Gulf Chemicals and Industrial Oils Co.	0	1.384	Yes	No	0.62576
MOD_All_370	Gulf Cryo Industrial Gases Company Ltd.	0	0.000	No	No	0.00000
MOD_All_371	Gulf Gasket Factory	0	2.493	No	No	0.38788
MOD_All_372	Gulf Gasket Factory	0	0.111	No	No	0.27879
MOD_All_373	Gulf Horizons Factory for Paints and Pastes	0	1.384	No	No	0.37576
MOD_All_374	Gulf Industrial Valves Factory	0	0.111	No	No	0.27879
MOD_All_375	Gulf Metal Galvanizing Factory	0	0.111	Yes	No	0.52879
MOD_All_376	Gulf Polyurethane Factory	0	0.082	No	No	0.25455
MOD_All_377	Gulf Power Distribution Systems Co.	0	0.038	Yes	No	0.34697



MOD_All_378	Gulf Salt Co.	0	0.179	No	No	0.32727
MOD_All_379	Gulf Steel Factory Co. for Machine Spare Parts	0	0.053	No	No	0.00000
MOD_All_380	Gulf Technical Factory	0	0.000	No	No	0.00000
MOD_All_381	Gulf Union Establishment for Trading and Contracting	0	0.313	No	No	0.00000
MOD_All_382	Gulf Union Establishment for Trading and Contracting	0	0.041	No	No	0.00000
MOD_All_383	Gulf Union Foods Company	0	0.179	No	No	0.32727
MOD_All_384	Hadaid Saudi Arabia Factory Co. for Heavy Industries	0	2.493	No	No	0.38788
MOD_All_385	Hamad Zafer Al-Shahrani Contracting Est.	0	0.041	No	No	0.00000
MOD_All_386	Hasan Al-Yami General Contracting Est.	0	0.041	No	No	0.00000
MOD_All_387	Hasan Mansour Al-Yami & Partner Company for Iron and Aluminum Products	0	0.111	No	No	0.27879
MOD_All_388	Hasan Mansour Al-Yami & Partner Company for Wooden Furniture	0	0.068	No	No	0.19394
MOD_All_389	Hasan Mansour Al-Yami & Partner Company for Wooden Furniture	0	0.045	No	No	0.14545

<b>MOD_All_390</b>	<b>Hasan Washnan Al-Zahrani Co. Factory for the Production of Polystyrene Containers</b>	<b>0</b>	<b>0.082</b>	<b>No</b>	<b>No</b>	<b>0.25455</b>
<b>MOD_All_391</b>	<b>Hashim Mohamed El-Hashim Factory</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_392</b>	<b>Hawa Factory for Electrical Distribution Boards</b>	<b>0</b>	<b>0.038</b>	<b>No</b>	<b>No</b>	<b>0.09697</b>
<b>MOD_All_393</b>	<b>Hawa Valves Arabia Branch</b>	<b>0</b>	<b>0.111</b>	<b>No</b>	<b>No</b>	<b>0.27879</b>
<b>MOD_All_394</b>	<b>Heba Factory Limited for the manufacturer of fire extinguishers</b>	<b>0</b>	<b>0.038</b>	<b>No</b>	<b>No</b>	<b>0.09697</b>
<b>MOD_All_395</b>	<b>Heba Factory Limited for the manufacturer of fire extinguishers</b>	<b>0</b>	<b>0.049</b>	<b>No</b>	<b>No</b>	<b>0.15758</b>
<b>MOD_All_396</b>	<b>Henkel Polybit Industries Co. Ltd. Factory</b>	<b>0</b>	<b>0.082</b>	<b>No</b>	<b>No</b>	<b>0.25455</b>
<b>MOD_All_397</b>	<b>Henkel Polybit Industries Co. Ltd. Factory</b>	<b>0</b>	<b>0.082</b>	<b>No</b>	<b>No</b>	<b>0.25455</b>
<b>MOD_All_398</b>	<b>Hit Factory for the Production of kitchens &amp; PVC Plates</b>	<b>0</b>	<b>0.045</b>	<b>No</b>	<b>No</b>	<b>0.14545</b>
<b>MOD_All_399</b>	<b>Hit Factory for the Production of Lubricating Greases</b>	<b>0</b>	<b>1.384</b>	<b>No</b>	<b>No</b>	<b>0.37576</b>
<b>MOD_All_400</b>	<b>Hit Factory for the Production of Nets and Metal Sections</b>	<b>0</b>	<b>0.101</b>	<b>No</b>	<b>No</b>	<b>0.26667</b>

MOD_All_401	Hit Industry Foundation for Bending and Forming Rebars	0	0.111	No	No	0.27879
MOD_All_402	Hit Plastic Factory	0	0.082	No	No	0.25455
MOD_All_403	Housing Water Station	0	0.053	No	No	0.16970
MOD_All_404	Howraa Cosmetics Factory	0	1.384	No	No	0.37576
MOD_All_405	Hut International Company for Transfer and Deportation	0	0.000	No	No	0.00000
MOD_All_406	Ibreez Real Estate Company	0	0.010	No	No	0.00000
MOD_All_407	IK Saudi for Manufacturing	0	0.049	No	No	0.15758
MOD_All_408	Industrial Chemicals & Resins Company	0	1.384	Yes	No	0.62576
MOD_All_409	Industrial Construction Factory (INCO)	0	0.000	No	No	0.00000
MOD_All_410	Industrial Institute	0	0.000	No	No	0.00000
MOD_All_411	Industrial Systems Group	0	0.000	No	No	0.00000
MOD_All_412	Industrial Valves Factory	0	0.111	No	No	0.27879
MOD_All_413	Industrial Voltage Elements Company Factory	0	0.038	No	No	0.09697
MOD_All_414	Information Center	0	0.045	No	No	0.00000
MOD_All_415	Inmaa Bank	0	0.013	No	No	0.00000

MOD_All_416	Insulation Materials Technology Factory	0	1.384	No	No	0.37576
MOD_All_417	Integrated Communications Company Ltd.	0	0.013	No	No	0.00000
MOD_All_418	International Arab Valves Company for Industries	0	0.111	No	No	0.27879
MOD_All_419	International Company for Specialty Chemicals Factory	0	1.384	No	No	0.37576
MOD_All_420	International Energy Factory for Industrial and Mechanical Insulators	0	0.049	No	No	0.15758
MOD_All_421	International Food Factory	0	0.179	No	No	0.32727
MOD_All_422	International Food Factory	0	0.179	No	No	0.32727
MOD_All_423	Ismail Ali Abu Dawood Trading Company Ltd.	0	0.069	No	No	0.00000
MOD_All_424	Isuzu Motors Saudi Arabia Co. Ltd.	122476.81	0.000	No	No	0.00000
MOD_All_425	Itqan Partners Factory for Iron Products and Galvanization	0	0.111	No	No	0.27879
MOD_All_426	ITT Saudi Co.	0	0.000	No	No	0.00000
MOD_All_427	Jadawell Water Factory	0	0.179	No	No	0.32727
MOD_All_428	Jader Ayed Al-Fahad Factory for Bentonite	0	1.384	No	No	0.37576
MOD_All_429	Jal Factory for Energy Services	0	0.000	No	No	0.00000

MOD_All_430	Jeddah Filters Factory	0	0.049	No	No	0.15758
MOD_All_431	Jiad Factory for Pressure Vessels and Iron Hangers	0	0.111	No	No	0.27879
MOD_All_432	Jiad Factory for Pressure Vessels and Iron Hangers	0	0.049	No	No	0.15758
MOD_All_433	Jiad Factory for Pressure Vessels and Iron Hangers	0	0.045	No	No	0.14545
MOD_All_434	Jinan Real Estate Company	0	0.010	No	No	0.00000
MOD_All_435	Jisr Al-Khaleej Industries and Iron Works co., Ltd. Factory	0	2.493	No	No	0.38788
MOD_All_436	John Crane Saudi Arabia Co., Ltd.	0	0.053	No	No	0.00000
MOD_All_437	Jotun Powder Coatings Saudi Arabia Company	0	1.384	Yes	No	0.62576
MOD_All_438	Joveh factory for household and industrial detergents	0	1.384	No	No	0.37576
MOD_All_439	Karim Factory for Food Industries	0	0.179	No	No	0.32727
MOD_All_440	KASB Manufacturing Company	0	0.049	No	No	0.15758
MOD_All_441	Kenz Real Estate Development Office	0	0.010	No	No	0.00000
MOD_All_442	Kenz Real Estate Development Office	0	0.010	No	No	0.00000
MOD_All_443	Khair Al-Mammlaka Co. Factory for Electro Mechanical Industries	0	0.000	No	No	0.00000

<b>MOD_All_444</b>	<b>Khaled Ali Al-Turki &amp; Sons Co.</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_445</b>	<b>Khaled and Ali Ahmed Balhomor Factory for Metal Coating</b>	<b>0</b>	<b>1.283</b>	<b>No</b>	<b>No</b>	<b>0.36364</b>
<b>MOD_All_446</b>	<b>Khaled and Ali Ahmed Balhomor Factory for Metal Coating</b>	<b>0</b>	<b>0.111</b>	<b>No</b>	<b>No</b>	<b>0.27879</b>
<b>MOD_All_447</b>	<b>Khaled Fahd Al-Baaeiz Holding Group Co.</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_448</b>	<b>Khaled Industrial Marble Factory</b>	<b>0</b>	<b>2.493</b>	<b>No</b>	<b>No</b>	<b>0.38788</b>
<b>MOD_All_449</b>	<b>Khaled Industrial Marble Factory</b>	<b>0</b>	<b>2.493</b>	<b>No</b>	<b>No</b>	<b>0.38788</b>
<b>MOD_All_450</b>	<b>Khaled Saad Eddin Sweets Factory</b>	<b>0</b>	<b>0.179</b>	<b>No</b>	<b>No</b>	<b>0.32727</b>
<b>MOD_All_451</b>	<b>Khalid Al-Hamad &amp; Partner Co. Factory for Plastic Film</b>	<b>0</b>	<b>0.082</b>	<b>No</b>	<b>No</b>	<b>0.25455</b>
<b>MOD_All_452</b>	<b>Khalid and Nawwaf Al-Hamad Factory for Paper Products</b>	<b>0</b>	<b>0.468</b>	<b>No</b>	<b>No</b>	<b>0.35152</b>
<b>MOD_All_453</b>	<b>Khalid and Nawwaf Al-Hamad Factory for Plastic Products</b>	<b>0</b>	<b>0.082</b>	<b>No</b>	<b>No</b>	<b>0.25455</b>
<b>MOD_All_454</b>	<b>Khalid Mohamed Abdallah Trading Est.</b>	<b>0</b>	<b>0.000</b>	<b>No</b>	<b>No</b>	<b>0.00000</b>
<b>MOD_All_455</b>	<b>Koob Al-Negma Factory for Sugar Packing and Packaging</b>	<b>0</b>	<b>0.179</b>	<b>No</b>	<b>No</b>	<b>0.32727</b>

MOD_All_456	Korbrua Arabia Company for Manufacturing Ground Electrodes	0	0.038	No	No	0.09697
MOD_All_457	Koz Al Sharq Company for Paper Products Factory	0	0.468	No	No	0.35152
MOD_All_458	Kubota Saudi Arabia Company	0	0.053	No	No	0.00000
MOD_All_459	L & T Saudi Electric Factory	0	0.038	No	No	0.09697
MOD_All_460	La Mechanica Badana Saudi Industrial Company	0	0.049	No	No	0.15758
MOD_All_461	Laqlaq Snacks Factory	0	0.179	No	No	0.32727
MOD_All_462	LCM Synergy Saudi Arabia	0	0.000	No	No	0.00000
MOD_All_463	Lian Al-Sharqiya Food Factory	0	0.179	No	No	0.32727
MOD_All_464	Logistics Solutions Company	0	0.041	No	No	0.00000
MOD_All_465	Logistics Station	0	0.313	No	No	0.00000
MOD_All_466	Logistics/warehouse Station	0	0.069	No	No	0.00000
MOD_All_467	Louay Abdullah Al-Obaid Plastic Factory	0	0.082	No	No	0.25455
MOD_All_468	Madi Trading Services Est.	0	0.000	No	No	0.00000
MOD_All_469	Madry Arabia Factory for the production of nitrogen gas	0	0.000	No	No	0.00000

MOD_All_470	Mahmoud Abdel Alim & Partners Co. Ltd. for Refreshments and Juices	0	0.179	No	No	0.32727
MOD_All_471	Mahmoud Abdullah Factory for the Iron Production	0	1.283	No	No	0.36364
MOD_All_472	Mahmoud Abdullah Factory for the Iron Production	0	0.111	No	No	0.27879
MOD_All_473	Maintenance Building	0	0.045	No	No	0.00000
MOD_All_474	Mamdouh Aziz Al-Hwail Factory for Aluminium & Glass	0	2.493	No	No	0.38788
MOD_All_475	Mamdouh Aziz Al-Hwail Factory for Plastic & Paper Industries	0	0.082	No	No	0.25455
MOD_All_476	Mamdouh Aziz Al-Hwail Factory for Timber	0	0.068	No	No	0.19394
MOD_All_477	Manar Paints Factory	0	1.384	No	No	0.37576
MOD_All_478	Mannar Al-Khaleej Factory for Plastic Industries	0	0.082	No	No	0.25455
MOD_All_479	Marjan Factory Company for Fiberglass Products	0	2.493	No	No	0.38788
MOD_All_480	Mashael Elbaraka Factory for Barrels & Filters	0	0.111	No	No	0.27879
MOD_All_481	Meremat Factory for Aluminium	0	0.111	No	No	0.27879
MOD_All_482	Metal Corner Co. Ltd. for Steel Trading	0	0.053	No	No	0.00000



MOD_All_483	Metal Corner Factory for Steel Trading Ltd.	0	0.000	No	No	0.00000
MOD_All_484	Metal Partitions Factory for Metal Products	0	0.111	No	No	0.27879
MOD_All_485	Metal Works and Buildings Co. Ltd.	0	0.111	No	No	0.27879
MOD_All_486	MHBS Saudi Arabia Company	0	0.000	No	No	0.00000
MOD_All_487	Middle East Battery Company (MEBCO)	101088.79	0.038	Yes	No	0.42371
MOD_All_488	Middle East Cable Holders and Accessories Factory	0	0.111	No	No	0.27879
MOD_All_489	Middle East Cable Holders and Accessories Factory	0	0.038	No	No	0.09697
MOD_All_490	Middle East Industrial Gas Factory	0	0.000	No	No	0.00000
MOD_All_491	Middle East Sources Factory for Polyethylene Wax	0	0.082	No	No	0.25455
MOD_All_492	Mitsubishi Power Saudi Arabia Co. Ltd	0	0.049	No	No	0.15758
MOD_All_493	Mitsubishi Power Saudi Arabia Co. Ltd.	0	0.041	No	No	0.00000
MOD_All_494	Moaz Abdullah Alkhneni Factory for Iron Rolling	0	0.111	No	No	0.27879
MOD_All_495	Mobily	0	0.013	No	No	0.00000
MOD_All_496	Mobily Telecommunications	0	0.013	No	No	0.00000

MOD_All_497	Modern Chemicals Factory	0	1.384	No	No	0.37576
MOD_All_498	Modern Detergents Factory	0	1.384	No	No	0.37576
MOD_All_499	Modern Factory for Adhesive Products	0	1.384	No	No	0.37576
MOD_All_500	Modern Factory for Electrical Appliances Co.	0	0.038	No	No	0.09697
MOD_All_501	Modern Factory for Electrical Appliances Co.	0	0.038	No	No	0.09697
MOD_All_502	Modern Factory for Steel Industries Co. Ltd	0	0.111	No	No	0.27879
MOD_All_503	Modern Industries Company - Tide	142047.88	1.384	No	No	0.49785
MOD_All_504	Modern Industries Company (MIC)	0	0.000	No	No	0.00000
MOD_All_505	Modern Iron Packaging Co.	0	0.111	No	No	0.27879
MOD_All_506	Modern National Chemical Factory	0	1.384	No	No	0.37576
MOD_All_507	Modern Plastic Factory	0	0.082	No	No	0.25455
MOD_All_508	Modern Printing Presses	0	0.077	No	No	0.00000
MOD_All_509	Modern Shapes Co., Ltd.	0	0.000	No	No	0.00000
MOD_All_510	Modern Wood Manufactures Company	0	0.068	No	No	0.19394
MOD_All_511	Modern Woodworks Factory	0	0.068	No	No	0.19394
MOD_All_512	Modon Lighthouses	0	0.045	No	No	0.00000

MOD_All_513	Mohamad Azzam Barghouth Factory for Ceramic Products	103440.29	2.493	No	No	0.47858
MOD_All_514	Mohamed Abdul Rahman Ibn Ziyad Factory for Salt Cubes and Forage Products / Dammam Branch	0	0.179	No	No	0.32727
MOD_All_515	Mohamed Abdullah Al-Aly Al-Bassam Factory for Cast Iron	0	0.111	No	No	0.27879
MOD_All_516	Mohamed Habbas Al-Mutairi Factory for Furniture and Curtains	0	0.045	No	No	0.14545
MOD_All_517	Mohamed Habbas Al-Mutairi Factory for Furniture and Curtains	0	0.000	No	No	0.00000
MOD_All_518	Mohamed Hassan Sherbini Trading Company	0	0.000	No	No	0.00000
MOD_All_519	Mohamed Hussein El-Arini Factory for Marble and Granite	0	0.082	No	No	0.25455
MOD_All_520	Mohamed Moussa Al-Saleh Real Estate Foundation	0	0.010	No	No	0.00000
MOD_All_521	Mohamed Naji Al-Haggag Factory for Chemicals Products	0	1.384	Yes	No	0.62576

MOD_All_522	Mohamed Salman Almeahnaa & Bros Co. Factory for Food Products	0	0.179	No	No	0.32727
MOD_All_523	Mohamed Soliman Al-Nahdi Est.	0	0.000	No	No	0.00000
MOD_All_524	Mohamed Soliman Al-Nahdi Est. (Car Workshop)	0	0.000	No	No	0.00000
MOD_All_525	Mohammed Ali Saadeddin Company for food	0	0.179	No	No	0.32727
MOD_All_526	Mohammed Obaid Jumaa Al Kaabi Factory for Ironware Manufacturing & Coating	0	0.111	No	No	0.27879
MOD_All_527	Mohammed Suleiman Al-Nahdi Foundation	0	0.000	No	No	0.00000
MOD_All_528	Morgan Factory for Fiberglass Products	0	2.493	No	No	0.38788
MOD_All_529	Mosque	0	0.115	No	No	0.00000
MOD_All_530	Motlak Mataab Elshabaan Factory for Plastics	0	0.082	No	No	0.25455
MOD_All_531	Mourouj Al-Jazeera Factory for Iron Works	0	2.493	No	No	0.38788
MOD_All_532	Mourouj Al-Jazeera Factory for Iron Works	0	0.111	No	No	0.27879
MOD_All_533	Nabhaa Factory for Industrial Rubber Products	0	0.082	No	No	0.25455

MOD_All_534	Nagi Al-Shiha	0	0.000	No	No	0.00000
MOD_All_535	NAPCO Company for Composite Packaging Plastics (NAPCO Compact)	0	0.082	No	No	0.25455
MOD_All_536	NAPCO Modern Plastic Products Company	0	0.082	No	No	0.25455
MOD_All_537	NAPCO Plastics & Packaging Factory	0	0.082	No	No	0.25455
MOD_All_538	Nasib Abdulla Al Bassam Factory for Iron Structures and Reservoirs	0	0.111	No	No	0.27879
MOD_All_539	Nasser Saeed Al Hajri Factory for Metal Formation	103812.89	0.111	No	No	0.37297
MOD_All_540	Nassim Al-Tibat Factory for Ice Cream	0	0.179	No	No	0.32727
MOD_All_541	National Commercial Bank	0	0.013	No	No	0.00000
MOD_All_542	National Company for Fire and Safety Equipment	0	0.049	No	No	0.15758
MOD_All_543	National Company for Fire and Safety Equipment	0	0.041	No	No	0.00000
MOD_All_544	National Detergent Products Company - Clorox	0	1.384	No	No	0.37576
MOD_All_545	National Establishment for Agricultural and Industrial Sulphur	0	1.384	No	No	0.37576

MOD_All_546	National Factory for Air-Conditioning Vents and Refineries	0	0.049	No	No	0.15758
MOD_All_547	National Factory for Plastic bottles, sheets and supplies	0	0.082	No	No	0.25455
MOD_All_548	National Factory for Processing and Treating Minerals	0	0.111	No	No	0.27879
MOD_All_549	National Fiberglass Factories - Branch of Ibrahim Al-Muhaidib Commercial Company	0	2.493	No	No	0.38788
MOD_All_550	National Fibre Glass Factory	0	2.493	No	No	0.38788
MOD_All_551	National Galvanizing and Coating Company	0	0.111	No	No	0.27879
MOD_All_552	National Lighting Company	0	0.038	No	No	0.09697
MOD_All_553	National Plastic Ropes Factory	0	0.101	No	No	0.26667
MOD_All_554	National Plastic Ropes Factory	0	0.082	No	No	0.25455
MOD_All_555	National Rubber Factory & Derivatives	0	0.082	No	No	0.25455
MOD_All_556	National Rubber Spare Parts Factory	0	0.082	No	No	0.25455
MOD_All_557	National Steel Co. Ltd. - Watani	111126.01	0.111	Yes	No	0.62646

MOD_All_558	Nawaf Sultan Al-Duwaysh General Contracting Establishment	0	0.041	No	No	0.00000
MOD_All_559	Nawaret El-Jezira Factory for Ferrous crafts and Aluminium	0	0.111	No	No	0.27879
MOD_All_560	Negm Factory for Steel	0	0.111	No	No	0.27879
MOD_All_561	Negmat Al-Maaden Factory	0	0.000	No	No	0.00000
MOD_All_562	New Delta Food Factory	0	0.179	No	No	0.32727
MOD_All_563	Noor Factory for Cardboard & Packaging	79997.04	0.068	No	No	0.26371
MOD_All_564	Noor Factory for Cardboard & Packaging	79997.04	0.468	No	No	0.42128
MOD_All_565	NOV Saudi Arabia Co. Ltd.	0	0.000	No	No	0.00000
MOD_All_566	Oasis Ameron Co.	0	0.049	No	No	0.15758
MOD_All_567	Oasis Sykes Co.	0	0.049	No	No	0.15758
MOD_All_568	Oasis Sykes Co.	0	0.053	No	No	0.00000
MOD_All_569	Oil and Gas Polymers Factory	0	1.384	No	No	0.37576
MOD_All_570	Omar Abdul Karim Al-Amoudi Factory for Food and Meat Industry	0	0.179	No	No	0.32727
MOD_All_571	Omar Saleh Shamlan Glass Factory	0	2.493	No	No	0.38788
MOD_All_572	Operation and Maintenance	0	0.041	No	No	0.00000

MOD_All_573	Orange Zeb Kamar Factory for Wool Yarn	0	0.101	No	No	0.26667
MOD_All_574	Orbits First Industrial Company	0	0.000	No	No	0.00000
MOD_All_575	Oren Chemical Manufacturing Company	0	1.384	No	No	0.37576
MOD_All_576	Othman Abdul Rahman Al-Ossaimi & Partners Trading Company	114257.11	0.000	No	No	0.00000
MOD_All_577	Paper Supplies and Plastic Bags Factory	0	0.468	No	No	0.35152
MOD_All_578	Paper Supplies and Plastic Bags Factory	0	0.082	No	No	0.25455
MOD_All_579	Perma Pipe Saudi Arabia Co.	0	0.082	No	No	0.25455
MOD_All_580	Plastic Cards Co.	0	0.082	No	No	0.25455
MOD_All_581	Police	0	0.000	No	No	0.00000
MOD_All_582	Pomp Station	0	0.053	No	No	0.16970
MOD_All_583	Pomp station - Phase 3	0	0.053	No	No	0.16970
MOD_All_584	Pomp Station #3	0	0.053	No	No	0.16970
MOD_All_585	Pomp Station P1	0	0.053	No	No	0.16970
MOD_All_586	Pomp Station P3	0	0.053	No	No	0.16970
MOD_All_587	Power Equipment Leasing Co.	0	0.053	No	No	0.00000
MOD_All_588	Power Equipment Leasing Co.	0	0.124	No	No	0.00000
MOD_All_589	Power Station	0	0.000	No	No	0.00000



MOD_All_590	Power Substation	0	0.000	No	No	0.00000
MOD_All_591	Praxer Service Technologies Arabia Company	0	0.000	No	No	0.00000
MOD_All_592	Pumping Station	0	0.053	No	No	0.16970
MOD_All_593	Qabas Albelad Factory for Manufacturing Metal Ropes	0	0.101	No	No	0.26667
MOD_All_594	Quickpay Commercial Bnak	0	0.013	No	No	0.00000
MOD_All_595	Rainbow Mechanical Solutions Saudi Arabia Factory	0	0.049	No	No	0.15758
MOD_All_596	Ramsey Glass Factory	0	2.493	No	No	0.38788
MOD_All_597	Rashed & Sons - Donaldson Company Limited	0	0.000	No	No	0.00000
MOD_All_598	Rashed El-Abedlrahman Al-Rashed & Sons Co. for the Manufacture of Iron Products	61101.14	0.111	No	No	0.28925
MOD_All_599	Rashed El-Abedlrahman Al-Rashed & Sons Co. for Wooden Products	0	0.068	No	No	0.19394
MOD_All_600	Rashed El-Abedlrahman Al-Rashed Co. Factory for Tightening Concrete Pre-Voltage Wires	0	0.000	No	No	0.00000
MOD_All_601	Rawabi Electricity Company	0	0.000	No	No	0.00000

MOD_All_602	Rawabi Hi-Tech Company Limited	0	0.000	No	No	0.00000
MOD_All_603	RDC Arabia Driling Inc. Factory	0	0.000	No	No	0.00000
MOD_All_604	ready factories	140859.91	0.000	No	No	0.00000
MOD_All_605	Real Estate Economic Supply Corporation	0	0.010	No	No	0.00000
MOD_All_606	Rebeon Chemicals Factory	0	1.384	No	No	0.37576
MOD_All_607	Reda Al-Felfel	0	0.000	No	No	0.00000
MOD_All_608	Reda Factory for the Manufacture of Firefighting Equipment	0	0.049	No	No	0.15758
MOD_All_609	Redayat Co. Ltd. for Protective Coating	0	0.082	No	No	0.25455
MOD_All_610	Redayat Kamika Co. Ltd. for Protection Coating	0	1.384	No	No	0.37576
MOD_All_611	Regional Center Foundation for Calibration, Conformity and Quality	0	0.041	No	No	0.00000
MOD_All_612	Remal Company for Electricity	0	0.000	No	No	0.00000
MOD_All_613	Remal Telecom Factory	0	0.038	No	No	0.09697
MOD_All_614	Riyadh Ceramics Factory	0	2.493	No	No	0.38788
MOD_All_615	Riyadh Ceramics Factory	0	2.493	No	No	0.38788
MOD_All_616	Riyadh Oxygen Plant	0	0.000	No	No	0.00000

MOD_All_617	Rowad International Geosynthetics Co. Factory	0	0.101	No	No	0.26667
MOD_All_618	Roy Water Company Limited	0	0.000	No	No	0.00000
MOD_All_619	S & T Gulf Co. Ltd.	67910.65	0.000	No	No	0.00000
MOD_All_620	Saeed Ali Ghadran Factory for Plastic Pipes	0	0.082	No	No	0.25455
MOD_All_621	Saeed Ali Ghadran Factory for Plastic Pipes	0	2.493	No	No	0.38788
MOD_All_622	Saeed Maeidh Awad Moriea Factory for Chemical Products	0	1.384	No	No	0.37576
MOD_All_623	Safar Mishaan Nahi Al-Otaibi	0	0.000	No	No	0.00000
MOD_All_624	Safety and Fire Equipment Co., Ltd.	0	0.041	No	No	0.00000
MOD_All_625	Safety equipment production	0	0.049	No	No	0.15758
MOD_All_626	Sahara Factory for Architecture Works	0	0.111	No	No	0.27879
MOD_All_627	Sahara Network Co., Ltd.	0	0.013	No	No	0.00000
MOD_All_628	Saleh and Abdul Aziz Abou Hussein Co. Factory for Chemicals Industry	0	1.384	No	No	0.37576
MOD_All_629	Saleh and Abdul Aziz Abou Hussein Factory for Oils Mixing	0	1.384	No	No	0.37576
MOD_All_630	Salem Balhamr Plastic Factory	0	0.082	No	No	0.25455

MOD_All_631	Salhia Projects Co. Ltd.	0	0.000	No	No	0.00000
MOD_All_632	Salman Johar Al-Johar Iron Rolling Factory	0	0.111	No	No	0.27879
MOD_All_633	Salman Johar Al-Johar Metal Alloys Factory	0	0.111	No	No	0.27879
MOD_All_634	Salman Johar Al-Johar Scrap Melting Factory	0	1.283	No	Yes	0.56364
MOD_All_635	Salman Johar Al-Johar Scrap Melting Factory	0	0.111	No	Yes	0.47879
MOD_All_636	Salman Johar Al-Johar Sponge Iron Factory	60195.84	0.111	No	No	0.28228
MOD_All_637	Salman Mohamed Hassan Al-Jashi Co. for Printing & Packaging	0	0.077	No	No	0.00000
MOD_All_638	Sama Supplies Aluminum Factory	0	2.493	No	No	0.38788
MOD_All_639	Sama Technologies Co. Ltd. Factory	0	0.000	No	No	0.00000
MOD_All_640	Samba Financial Group	0	0.013	No	No	0.00000
MOD_All_641	Samir Saeed Al-Akhras for Plastics Products	0	0.082	No	No	0.25455
MOD_All_642	Sara Saudi Arabia Factory for Plastic Film	0	0.082	No	No	0.25455
MOD_All_643	Sassap Co. Ltd. for Molds and Spare Parts	0	0.049	No	No	0.15758
MOD_All_644	Saudi Abrasives Factory	0	1.384	No	No	0.37576
MOD_All_645	Saudi Aluminum and Iron Hangars Factory	0	0.111	No	No	0.27879

MOD_All_646	Saudi Arabia Medal Company Limited for Cables	0	0.038	No	No	0.09697
MOD_All_647	Saudi Arabia Nalco Company Limited	0	1.384	No	No	0.37576
MOD_All_648	Saudi Arabian Aquakimy Company	0	0.000	No	No	0.00000
MOD_All_649	Saudi Arabian Ductile Iron Pipes Co. - SADIP	180532.76	0.111	Yes	No	0.66832
MOD_All_650	Saudi Arabian Metal Fabrication Co.	0	0.111	No	No	0.27879
MOD_All_651	Saudi Arabian Metal Products Factory Co.	0	0.111	No	No	0.27879
MOD_All_652	Saudi Arabian Weidmüller Factory Company for Industry	0	0.000	No	No	0.00000
MOD_All_653	Saudi Arabian Weidmüller Factory Company for IndustrySSEB Saudi Factory	0	0.000	No	No	0.00000
MOD_All_654	Saudi Azbel Co. Ltd.	0	1.384	No	No	0.37576
MOD_All_655	Saudi BASF for Building Materials Co.	0	1.384	Yes	No	0.62576
MOD_All_656	Saudi Bea Fasteners Manufacturing Company	0	0.111	No	No	0.27879
MOD_All_657	Saudi Belts Factory	0	0.030	No	No	0.07273
MOD_All_658	Saudi Bisan Gasket Factory Co.	0	0.111	No	No	0.27879
MOD_All_659	Saudi British Bank - SABB	0	0.013	No	No	0.00000

MOD_All_660	Saudi Buzwair Industrial Gases Co. Ltd.	0	0.000	No	No	0.00000
MOD_All_661	Saudi Cable Accessories Factory Company	0	0.038	No	No	0.09697
MOD_All_662	Saudi Cheg Company	0	0.000	No	No	0.00000
MOD_All_663	Saudi Chemical Company	0	1.384	No	No	0.37576
MOD_All_664	Saudi Co. for Foam Plates Industries	0	0.082	No	No	0.25455
MOD_All_665	Saudi Co. for Foam Plates Industries	0	0.049	No	No	0.15758
MOD_All_666	Saudi Company for Manufacturing Shipping Platforms	0	0.111	No	No	0.27879
MOD_All_667	Saudi Company for Manufacturing Shipping Platforms	0	0.049	No	No	0.15758
MOD_All_668	Saudi Company for Prefabricated Buildings	0	0.000	No	No	0.00000
MOD_All_669	Saudi Concrete Products Co. Ltd. (SACEP)	0	1.384	No	No	0.37576
MOD_All_670	Saudi Concrete Products Co. Ltd. (SACEP)	0	2.493	No	No	0.38788
MOD_All_671	Saudi Dairy and Foodstuff Company (SADAFCO)	0	0.179	No	No	0.32727
MOD_All_672	Saudi Diesel Equipment Co. Ltd.	0	0.053	No	No	0.00000
MOD_All_673	Saudi Electricity Company	0	0.000	No	No	0.00000

MOD_All_674	Saudi Electricity Company (Eastern Province Branch)	102421.97	0.000	No	No	0.08721
MOD_All_675	Saudi Factory For Beds & Mattresses	0	0.045	No	No	0.14545
MOD_All_676	Saudi Factory for Seamless Steel Pipes	297554.01	0.111	No	No	0.42879
MOD_All_677	Saudi Factory for Ventilation Fans	0	0.038	No	No	0.09697
MOD_All_678	Saudi Filters Industry Company (SFICO)	0	0.049	No	No	0.15758
MOD_All_679	Saudi Fodder Mixtures Co. Ltd. Factory	0	0.179	No	No	0.32727
MOD_All_680	Saudi Formica Sheets Company	0	0.082	No	No	0.25455
MOD_All_681	Saudi German Co. for Unwoven Products	0	0.101	No	No	0.26667
MOD_All_682	Saudi German Company for Nonwoven Products	0	0.101	No	No	0.26667
MOD_All_683	Saudi Industrial Detergents Company (SIDCO)	0	1.384	No	No	0.37576
MOD_All_684	Saudi Industrial Gas Co. (SIGAS)	0	0.000	No	No	0.00000
MOD_All_685	Saudi Intercoil Furniture Factory	0	0.045	No	No	0.14545
MOD_All_686	Saudi International Trading Co. Ltd.	0	0.000	No	No	0.00000
MOD_All_687	Saudi International Training Institute	0	0.000	No	No	0.00000
MOD_All_688	Saudi Iron Pellet Plant	0	0.111	No	No	0.27879

MOD_All_689	Saudi Jasara Company Limited Branch	0	0.000	No	No	0.00000
MOD_All_690	Saudi Leather Industries Co. Ltd.	0	0.101	No	No	0.26667
MOD_All_691	Saudi Leather Industries Co. Ltd.	0	0.101	No	No	0.00000
MOD_All_692	Saudi Leather Industries Co. Ltd.	0	0.101	No	No	0.00000
MOD_All_693	Saudi Light Food Co. Ltd.	0	0.179	No	No	0.32727
MOD_All_694	Saudi Lighting Company	0	0.038	No	No	0.09697
MOD_All_695	Saudi Mechanical Industries Co. Factory	0	0.111	No	No	0.27879
MOD_All_696	Saudi Metal Coating Co.	0	0.111	No	No	0.27879
MOD_All_697	Saudi Metal Galvanization Factory	0	0.111	No	No	0.27879
MOD_All_698	Saudi Mobile Telecommunication Company -Zain	0	0.013	No	No	0.00000
MOD_All_699	Saudi Mobile Telecommunications Company	0	0.013	No	No	0.00000
MOD_All_700	Saudi Modern Factory	0	1.384	No	No	0.37576
MOD_All_701	Saudi New Zealand Milk Products Company (SNZMP)	0	0.179	No	No	0.32727
MOD_All_702	Saudi Packaging & Metals Co.	0	0.082	No	No	0.25455
MOD_All_703	Saudi Paper Converting Company	66746.41	0.468	No	No	0.38640



MOD_All_704	Saudi Paper Manufacturing Co.	158876.45	0.468	No	No	0.48407
MOD_All_705	Saudi Peatmoss & Vermiculite Plant	0	1.384	No	No	0.37576
MOD_All_706	Saudi Petroleum Equipment Factory	0	1.384	No	No	0.37576
MOD_All_707	Saudi Petroleum Equipment Factory	0	0.053	No	No	0.00000
MOD_All_708	Saudi Plastic Hoses Factory	0	0.082	No	No	0.25455
MOD_All_709	Saudi Power Transformer Company	0	0.038	No	No	0.09697
MOD_All_710	Saudi Ready-mix Concrete Company	64983.5	1.384	No	No	0.39669
MOD_All_711	Saudi Recycling Co. for Paper & Waste	0	0.468	No	Yes	0.55152
MOD_All_712	Saudi Rubber Products Co.	0	0.082	No	No	0.25455
MOD_All_713	Saudi Rubber Products Co.	0	0.082	No	No	0.25455
MOD_All_714	Saudi Soil Improvers Co. Factory	0	1.384	No	No	0.37576
MOD_All_715	Saudi Steel Pipe Company (SSP)	158775.47	0.111	Yes	No	0.65786
MOD_All_716	Saudi Storage and Supply Company	0	0.053	No	No	0.00000
MOD_All_717	Saudi Telecom Company (STC)	0	0.013	No	No	0.00000
MOD_All_718	Saudi Telecom Company (Switchboard)	0	0.013	No	No	0.00000
MOD_All_719	Saudi Thermal Industries Factory	0	2.493	No	No	0.38788

MOD_All_720	Saudi Vetonit Co. Ltd. Factory For Construction Materials	0	1.384	No	No	0.37576
MOD_All_721	SaudiChemicals Company	0	1.384	No	No	0.37576
MOD_All_722	Sawari Al Mashreq Factory for Industry	0	1.384	No	No	0.37576
MOD_All_723	Sayed El-Khabbazin Saudi Arabia Co. Ltd.	0	0.000	No	No	0.00000
MOD_All_724	Schlumberger Middle East Company	76410.87	0.041	Yes	No	0.00000
MOD_All_725	Sealant Parts Factory	0	1.384	No	No	0.37576
MOD_All_726	Sealant Parts Factory	0	0.082	No	No	0.25455
MOD_All_727	Sealant Parts Factory	0	0.049	No	No	0.15758
MOD_All_728	Security Warehouses	0	0.069	No	No	0.00000
MOD_All_729	Senaat Qoloub Company for Petrochemicals	0	1.384	No	No	0.37576
MOD_All_730	Senaat Qoloub Company for Petrochemicals	0	0.053	No	No	0.00000
MOD_All_731	Service Delivery Project Contractor	0	0.041	No	No	0.00000
MOD_All_732	Seven Stars Factory for Plastic Galvanizing and Packaging	0	0.082	No	No	0.25455
MOD_All_733	Shaheya Foods Company Limited	0	0.179	No	No	0.32727
MOD_All_734	Shahiya Food Co. Ltd.	0	0.179	No	No	0.32727

MOD_All_735	Sidra Factory Company for Biomedical Media Production	0	0.075	No	No	0.00000
MOD_All_736	Siemens Co., Ltd. Factory	74671.76	0.041	No	No	0.00000
MOD_All_737	Sigma Paints Saudi Arabia Co., Ltd.	0	1.384	Yes	No	0.62576
MOD_All_738	Sika Watan Saudi Arabia Co., Ltd. Factory	0	0.000	No	No	0.00000
MOD_All_739	Sinthomer Middle East Company	0	0.000	No	No	0.00000
MOD_All_740	SKM Air Conditioning Factory	0	0.049	No	No	0.15758
MOD_All_741	Smart Energy Services Chemical Co. Factory	0	1.384	No	No	0.37576
MOD_All_742	Sodium Silicate Factory	0	1.384	Yes	No	0.62576
MOD_All_743	Sohoum Factory for Iron Rolling	0	0.111	No	No	0.27879
MOD_All_744	Solar Energy Systems Co. Factory for Solar Systems	0	0.038	No	No	0.09697
MOD_All_745	Solutions Factory for Tires Production	0	0.030	No	No	0.07273
MOD_All_746	Sponge Iron Co. Ltd	0	0.030	No	No	0.07273
MOD_All_747	Sponge Iron Factory	132035.37	1.283	No	No	0.47875
MOD_All_748	Sponge Iron Factory	132035.37	0.111	No	No	0.39390
MOD_All_749	Springs Water Compnay Limited	0	0.179	No	No	0.32727
MOD_All_750	SSEB Saudi Factory	0	0.000	No	No	0.00000

MOD_All_751	Steel and alloys Co. Ltd.	0	1.283	No	No	0.36364
MOD_All_752	Suhail Abdul Mohsen Al-Shuaibi Co. Factory for Pipe Fitting	0	0.111	No	No	0.27879
MOD_All_753	Suleiman Saleh Al-Rashid Company for Food Industries	0	0.179	No	No	0.32727
MOD_All_754	Synthetic Fiber Co. Ltd.	0	1.384	No	No	0.37576
MOD_All_755	Synthetic Fiber Co. Ltd.	0	2.493	No	No	0.38788
MOD_All_756	Tabuk Pharmaceuticals Manufacturing Company	0	0.075	No	No	0.00000
MOD_All_757	Tad Logistics Services Establishment	0	0.041	No	No	0.00000
MOD_All_758	Tadamun Al-Hema Co.	0	0.000	No	No	0.00000
MOD_All_759	Tafaseel Al-Gawda Factory for Plastics	0	0.082	No	No	0.25455
MOD_All_760	Taj Factory for International Insulators	0	0.038	No	No	0.09697
MOD_All_761	Takat Al-Sharq Saudi Factory	0	1.384	No	No	0.37576
MOD_All_762	Talabyat Factory for Metals Surface Treatment	0	0.111	No	No	0.27879
MOD_All_763	Talal Sulaiman Al-Ghunaim Real Estate Company	0	0.010	No	No	0.00000
MOD_All_764	Tamam Factory for Plastics, Moulds and Metal Forming	0	0.111	No	No	0.27879

MOD_All_765	Tamdeed Factory for Pipes and its Equipment	66339.54	0.082	No	No	0.28245
MOD_All_766	Tamdeed Factory for Pipes and its Equipment	66339.54	0.111	No	No	0.30669
MOD_All_767	Tami Kolwan Al-Najrani Factory for Floor Poles	0	0.111	No	No	0.27879
MOD_All_768	Taqa Singel company	0	0.000	No	No	0.00000
MOD_All_769	Tbalsa Arabia Company	0	0.000	No	No	0.00000
MOD_All_770	Technical Center for Non-Destructive Testing	0	0.041	No	No	0.00000
MOD_All_771	Technical Principles Factory for Metal Industries	0	2.493	No	No	0.38788
MOD_All_772	Technical Rubber Co. Ltd.	0	0.082	No	No	0.25455
MOD_All_773	Technical Rubber Company Limited Branch	0	0.082	No	No	0.25455
MOD_All_774	Teco Middle East Electric and Machinery Co. Ltd.	0	0.049	No	No	0.15758
MOD_All_775	Telfah Ateeq Al-Shleikhi Factory for Metal Works	0	0.111	No	No	0.27879
MOD_All_776	Tenaris Saudi Arabia Co. Ltd.	101849.77	0.000	No	No	0.00000
MOD_All_777	Tenhat Mining Co. Ltd.	0	0.000	No	No	0.00000
MOD_All_778	Tents and awnings Co. Ltd.	0	0.045	No	No	0.14545
MOD_All_779	Terous Factory for Industrial Services	0	0.049	No	No	0.15758

MOD_All_780	The Arab Company for Manufacturing Industries Factory	0	0.049	No	No	0.15758
MOD_All_781	The Arab Corporation for the formation of iron and tubes	0	0.111	No	No	0.27879
MOD_All_782	The Arab Corporation for Trade, Navigation and Petroleum Works	0	0.000	No	No	0.00000
MOD_All_783	The Hungry Bunny Factory for Meat Processing	0	0.179	No	No	0.32727
MOD_All_784	The National Factory for the Production of Radiology Equipment	0	0.038	No	No	0.09697
MOD_All_785	The residence of the imam and the muezzin	0	0.115	No	No	0.00000
MOD_All_786	Thomas & Betts Saudi Arabia Company	0	0.000	No	No	0.00000
MOD_All_787	Three-dimensional Enterprises co. Ltd.	0	0.000	No	No	0.00000
MOD_All_788	Titanium Industries and Steel Co., Ltd.	0	0.111	No	No	0.27879
MOD_All_789	Tomohat Al-Jazeera Ambitions Factory Co. for Iron & Metal Industries	0	0.111	No	No	0.27879
MOD_All_790	Tomohat Al-Jazeera Ambitions Factory Co. for Iron & Metal Industries	0	0.030	No	No	0.07273
MOD_All_791	Torath Belady Factory for Paints and Pastes	0	1.384	No	No	0.37576

MOD_All_792	Trading & Development Co. Factory For Machinery, Equipment and Chemicals Ltd.	0	0.000	No	No	0.00000
MOD_All_793	Traffic Lights Factory	0	0.038	No	No	0.09697
MOD_All_794	Tri Star Technical Co., Ltd.	0	0.000	No	No	0.00000
MOD_All_795	UAE Company for Metal Industries	0	0.111	No	No	0.27879
MOD_All_796	United Arab Can Manufacturing Company (UAC)	75034.69	0.111	No	No	0.33460
MOD_All_797	United Coatings Manufacturing Company	0	1.384	No	No	0.37576
MOD_All_798	United Coatings Manufacturing Company	0	0.111	No	No	0.27879
MOD_All_799	United Factory for Medical Reagents	0	0.075	No	No	0.00000
MOD_All_800	United Lubricating Oil Treatment Company	0	1.384	No	No	0.37576
MOD_All_801	United Mining Co. Factory for Industrial Metals	0	0.111	No	No	0.27879
MOD_All_802	United Stars Transport Contracting Company	0	0.000	No	No	0.00000
MOD_All_803	Universal Halon Treatment Factory	0	0.313	No	Yes	0.00000
MOD_All_804	USG Middle East Co., Ltd. Factory Branch	0	0.041	No	No	0.00000
MOD_All_805	USG Middle East Company Limited	0	0.041	No	No	0.00000

MOD_All_806	Valves and Petroleum Equipment Technology Factory	0	0.111	No	No	0.27879
MOD_All_807	Veolia Water Solutions and Technologies Manufacturing Co., Ltd.	0	0.049	No	No	0.15758
MOD_All_808	Veterinary Medicine Products Factory Co., Ltd.	0	0.028	No	No	0.00000
MOD_All_809	Wabara Factory for Industrial Yarns	0	0.101	No	No	0.26667
MOD_All_810	Wacey Factory for Steel Industries	0	0.111	No	No	0.27879
MOD_All_811	Waha Saudi Company Limited for Electric Supplies	0	0.053	No	No	0.00000
MOD_All_812	Waha Saudi Company Limited for Electric Supplies (Wescosa)	0	0.038	No	No	0.09697
MOD_All_813	Waha Saudi Factory for Plastic Products	0	0.082	No	No	0.25455
MOD_All_814	Walid Saleh El-Hamed & Partners Co. for Meat	0	0.179	No	No	0.32727
MOD_All_815	Wastewater Treatment Station	0	0.313	No	No	0.00000
MOD_All_816	Watan Factory for Industrial Gases	0	0.000	No	No	0.00000
MOD_All_817	Water Pumping Station	0	0.053	No	No	0.16970
MOD_All_818	Water Tank	0	0.053	No	No	0.16970
MOD_All_819	Water well	0	0.053	No	No	0.16970



MOD_All_820	Wedoug Al-Sharq Trading Est.	0	0.000	No	No	0.00000
MOD_All_821	Weir Arabian Metals Company	0	0.111	No	No	0.27879
MOD_All_822	Well	0	0.053	No	No	0.16970
MOD_All_823	Welspun Middle East Pipes Company Limited	78911.24	0.082	No	No	0.32082
MOD_All_824	Welspun Middle East Pipes Company Limited	78911.24	0.111	No	No	0.34507
MOD_All_825	Woodlands Energy Services Limited	0	0.000	No	No	0.00000
MOD_All_826	World Quality Fiberglass Factory	0	2.493	No	No	0.38788
MOD_All_827	World Quality Fiberglass Factory	0	2.493	No	No	0.38788
MOD_All_828	Yacoub Factory for Ice Production	0	0.179	No	No	0.32727
MOD_All_829	Yacoub Yusuf Alnegedi Factory for Glass	0	2.493	No	No	0.38788
MOD_All_830	Zahran Company for Maintenance and Operation	0	0.041	No	No	0.00000
MOD_All_831	Zain Telecommunications	0	0.013	No	No	0.00000
MOD_All_832	Zakhraf International Factory for Wooden Furniture	0	0.045	No	No	0.14545
MOD_All_833	Zamil Central Air Conditioners Co. Factory	0	0.038	No	No	0.09697
MOD_All_834	Zamil Central Air Conditioners Factory	76006.22	0.000	No	No	0.05930

MOD_All_835	Zamil Industrial Coatings Factory	0	1.384	No	No	0.37576
MOD_All_836	Zamil industrial investment Co.	0	0.000	No	No	0.00000
MOD_All_837	Zamil Plastic Industries Co.	0	0.082	No	No	0.25455
MOD_All_838	Zamil Process Equipment Company (ZPEC)	101287.66	0.000	No	No	0.00000
MOD_All_839	Zamil Structural Steel Company (ZSSC)	0	0.111	No	No	0.27879
MOD_All_840	Zamil Structural Steel Company (ZSSC)	0	0.111	No	No	0.27879
MOD_All_841	Zamil Towers & Galvanizing Co.	0	0.111	No	No	0.27879
MOD_All_842	Ziad Mohamed Darwish & Partners Factory for Radiators	0	0.030	No	No	0.07273
MOD_All_843	أحواض التبخير	0	0.000	No	No	0.00000
MOD_All_844	شركة شنيدر الكتريك سيستمس العربية السعودية المحدودة	0	0.000	No	No	0.00000
MOD_All_845	مصنع منار الخليج للصناعات البلاستيكية	0	0.000	No	No	0.00000