



National Electric Power Regulatory Authority Islamic Republic of Pakistan

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No. NEPRA/R/DI/LAG-365/16738-43

December 20, 2016

Mr. Syed Mohsin Raza Naqvi
Group Director Finance
Maple Leaf Power Limited
42 Lawrence Road, Lahore.
Tel: 92-042-36302261

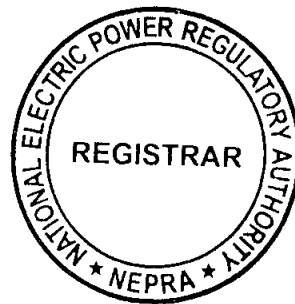
Subject: **Grant of Generation Licence No. SGC/119/2016
Licence Application No. LAG-365
Maple Leaf Power Limited (MLPL)**

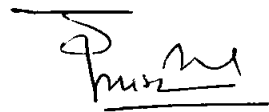
Reference: *Your application vide letter No. NEPRA-04-jul-2016, dated nil (received on July 11, 2016).*

Enclosed please find herewith Determination of the Authority in the matter of Application of "Maple Leaf Power Limited (MLPL)" for the Grant of Generation Licence along with Generation Licence No. SGC/119/2016 annexed to this determination granted by the National Electric Power Regulatory Authority (NEPRA) to "Maple Leaf Power Limited (MLPL)" for its 40.00 MW Imported Coal based Generation Facility / Thermal Power Plant located at 45 KM, Mianwali, Iskanderabad near Daud Khel, District Mianwali in the province of Punjab, pursuant to Section 15 of the Regulation of Generation, Transmission and Distribution of Electric Power Act (XI of 1997).

2. Please quote above mentioned Generation Licence No. for future correspondence.

Enclosure: **Generation Licence
(SGC/119/2016)**




20.12.16
(Syed Safer Hussain)

Copy to:

1. Secretary, Ministry of Water & Power, A-Block, Pak Secretariat, Islamabad.
2. Chief Executive Officer, NTDC, 414-WAPDA House, Lahore.
3. Chief Executive Officer, CPPA-G, 6th Floor, Shaheed-r-Millat Secretariat, Jinnah Avenue, Blue Area, Islamabad.
4. Chief Executive Officer, Faisalabad Electric Supply Company (FESCO), Abdullahpur, Canal Bank Road, Faisalabad.
5. Director General, Environment Protection Department, Government of Punjab, National Hockey Stadium, Ferozpur Road, Lahore.

National Electric Power Regulatory Authority
(NEPRA)

Determination of the Authority
in the Matter of Application of Maple Leaf Power Limited for the
Grant of Generation Licence

December 19, 2016
Case No. LAG-365

(A). Background

(i). The electric power sector of the country is experiencing a Supply-Demand gap. Due to the shortage of electricity the utilities are finding it hard to meet with the requirements of its consumers especially industrial concerns.

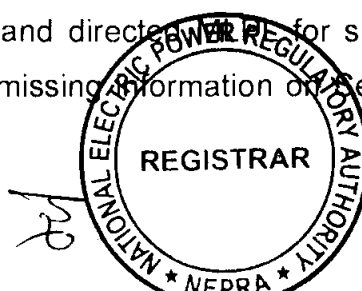
(ii). In order to cope with the above mentioned situation, various industrial groups are contemplating to set up generation facilities using cheaper resources for supplying to their industrial concerns. Kohinoor Maple Leaf Group has planned to set up a 40 MW imported coal based generation facility/thermal power plant located at 45 KM, Mianwali, Iskanderabad near Daud Khel, District Mianwali, Punjab.

(iii). In order to implement the project, the sponsors incorporated a Special Purpose Vehicle (SPV) under the Companies Ordinance 1984 in the name of Maple Leaf Power Limited (MLPL).

(B). Filing of Application

(i). In accordance with Section-15 of Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997 ("the NEPRA Act"), MLPL submitted an application for the grant of generation licence on July 11, 2016.

(ii). The Registrar examined the submitted application to confirm its compliance with the NEPRA Licensing (Application and Modification Procedure) Regulations, 1999 ("the Licensing Regulations"). The Registrar found the same non-compliant with the Licensing Regulations and directed MLPL for submitting the missing information. MLPL completed the missing information on September



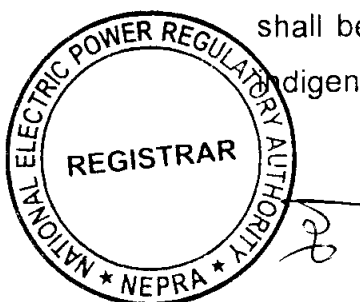
19, 2016. Accordingly, the Registrar submitted the matter for the consideration of the Authority seeking admission of the application or otherwise. The Authority considered the matter in its Regulatory Meeting (RM 16-608), held on October 07, 2016 and found the form and content of the application in compliance with Regulation-3 of the Licensing Regulations. The Authority admitted the application for consideration of the grant of the generation licence as stipulated in Regulation-7 of the Licensing Regulations. The Authority also approved the advertisement containing (a). the prospectus; (b). a notice to the general public about the admission of the application of MLPL, inviting the general public for submitting their comments in the matter as stipulated in Regulation-8 of the Licensing Regulations. Further, the Authority also approved the list of the relevant stakeholders to inform about the admission of the application of MLPL and for providing their comments to assist the Authority in the matter.

(iii). Accordingly, the advertisement was published in one Urdu (“the daily Express”) and one English (“The News”) newspapers on October 14, 2016 respectively. Apart from the said, separate letters were also sent to Government Ministries, their attached departments, representative organizations and individual experts etc. on October 14, 2016. The said stakeholders were directed for submitting their views/comments for the assistance of the Authority.

(C). Comments of Stakeholders

(i). In response to the above, the Authority received comments from only one (01) stakeholder which included Ministry of Petroleum & Natural Resources. The comments of Ministry of Petroleum & Natural Resources are summarized below:-

(a). Ministry of Petroleum & Natural Resources in its comments submitted that in the wake of current energy supply scenario and availability of indigenous coal resources, the electric power generation licence to MLPL for its imported coal based power plant may be granted subject to the condition that due consideration shall be given in the power plant design to the use of indigenous coal, independently or after blending with



coal from other sources subject to the availability of indigenous coal. Preference should be given to indigenous coal based power generation and use of imported coal for this purpose may be resorted only in case of non-availability of local coal of required quality.

(ii). The Authority considered the above comments of the Ministry of Petroleum & Natural Resources and found the same in favor of the grant of Generation Licence. Accordingly, the Authority considered it appropriate to process the application of MLPL for the consideration of grant of the generation licence as stipulated in the Licensing Regulations and the NEPRA Licensing (Generation) Rules 2000 ("the Generation Rules").

(D). Analysis of the Authority

(i). The Authority has examined the generation licence application, of MLPL along with information provided with the generation licence application including feasibility study of the project, interconnection and dispersal arrangement studies and relevant rules & regulations etc.

(ii). The applicant company (MLPL) is a public limited company incorporated under Section-32 of the Companies Ordinance, 1984 (XLVII of 1984), having Corporate Universal Identification No. 0095705, dated October 15, 2015. The registered/business office of the company is located at 42-Lawrance road, Lahore. The Memorandum of Association of the company, *inter alia*, includes the business of power generation as one of its business objects. According to the submitted Memorandum of Association of the company, out of its 1,000,000 shares 999,993.00 are held by Maple Leaf Cement Factory Limited and each of the remaining 7.00 shares is held by seven individuals namely Mian Tariq Sayeed Saigol, Mian Taufique Sayeed Saigol, Sayeed Tariq Saigol, Waleed Tariq Saigol, Mian Danial Taufique Saigol, Syed Mohsin Raza Naqvi and Mr. Arif Ijaz.

(iii). MLPL is a group company of Kohinoor Maple Leaf Group and is 100% wholly owned subsidiary of Maple Leaf Cement Factory Limited. Kohinoor Maple Leaf Group is one of the renowned industrial groups of Pakistan having diversified businesses in the Textile, Cement and Capital Investment sectors of



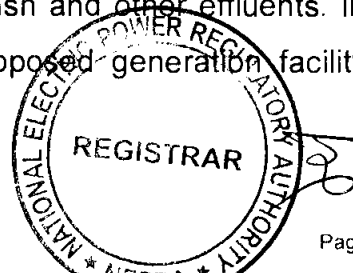
the country. Group consists of Kohinoor Textile Mills Limited, Maple Leaf Cement Factory Limited and Maple Leaf Capital Limited having an annual turnover of more than PKR 25 Billion.

(iv). MLPL which is a 100% wholly owned subsidiary of Maple Leaf Cement Factory Limited is setting up a 40.00 MW coal-fired power plant to meet the power requirements of the Maple Leaf Cement Factory Limited. The proposed power plant is located in close proximity of the processing plant, with main configuration of 1 x 40.00 MW condensing steam turbine equipped with 1 x 50.00 MVA double pole brushless excitation generator, and 1 x 180 ton per hour pulverized coal boiler, with high temperature (540°C) and 100 bar pressure parameters.

(v). The efficiency of the proposed generation facility/thermal power plant will be 30.08% for electric power generation, which is below the benchmark efficiency of 39% set up by the Authority in the case of upfront tariff determined by the Authority for coal power projects. In this regard, the Authority has observed that electric power generated by MLPL will not be supplied to the national grid, therefore, it will not have any adverse impact on the end consumers.

(vi). The applicant also submitted feasibility study of the project and according to the said feasibility study the project is expected to utilize approximately 150,228.00 ton/annum (for 330 days of operations) of coal (as per required specifications). The coal will be imported from South Africa or Indonesia. MLPL intends to utilize either the existing facilities of the Karachi Port Trust (KPT) or the upcoming Pakistan Bulk Terminal facilities for coal receiving and handling. The transportation to the site from the port will be done using trucks. The water requirements of generation facility of MLPL will be met through the existing facilities available at the group. In this regard, the existing arrangement which involves tube wells at site will be able to supply the required amount of water for the operation of the Plant.

(vii). The proposed power plant of MLPL is based on imported coal. The coal based generation facilities may be harmful to environment because of emission of greenhouse gases and production of ash and other effluents. In this regard, the sponsors have confirmed that the proposed generation facility will



comply with the Environmental Standards of the country. Further, MLPL has carried out an Initial Environment Examination study and has also provided a copy of the No Objection Certificate (NOC) issued by Environmental Protection Agency, Government of Punjab.

(viii). The electric power from the generation facility will be generated at 6.3 KV and 50 Hz, with rated power factor of 0.80 lagging. The electric power to the tune of 36.00 MW approximately from MLPL will be supplied to Maple Leaf Cement Factory Limited using three (03) feeder at 6.30 KV (at frequency of 50 Hz) located on property owned by MLPL.

(ix). Regarding land of the project, it is observed that Maple Leaf Cement Factory owns 369.2 Kanals of land at 45 KM, Mianwali, Iskanderabad near Daud Khel, District Mianwali, Punjab. Out of the said, 112 Kanals of land has been specifically allocated for the setting up the power project of MLPL.

(E). Grant of Generation Licence

(i). Electricity is a fundamental element for the economic growth of any country. The electricity consumption per capita has a strong correlation to the social development indices (human development index, life expectancy at birth, infant mortality rate, and maternal mortality) and economic indices (such as GDP per capita etc.).

(ii). Increasing electricity consumption per capita can directly stimulate faster economic growth and indirectly achieve enhanced social development. In short, the economic growth of any country is directly linked with the availability of safe, secure, reliable and cheaper supply of electricity. The Authority is well aware of the fact that presently there is severe shortage of electricity in the country and that as a result of huge supply-demand gap the distribution companies are facing difficulties in serving their consumers. Due to the prevailing situation, the industrial units are forced to make their own arrangements to meet their electricity requirements.

(iii). Pursuant to Section-21 of the NEPRA Act, the Authority may permit a generation company to sell to a Bulk Power Consumer (BPC), whereas, a BPC is a consumer which purchases or receives electric power, at one premises, in an



amount of one (01) megawatt or above. As submitted by MLPL, the load of Maple Leaf Cement Factory Limited will be more than 1.00 MW, therefore for the purpose of supply of electric power to Maple Leaf Cement Factory Limited the Authority declares it as BPC of MLPL under the Act.

(iv). Regarding compliance with the environmental standards, the Authority directs MLPL to ensure that the project will comply with the environmental standards during the term of the generation licence. In view of the said, the Authority has included a separate article (i.e. Article-10) in the generation licence along with other terms and conditions that the licensee will comply with relevant environmental standards. Further, the Authority directs MLPL to submit a report on a bi-annual basis, confirming that operation of its generation facility/thermal power plant is compliant with required environmental standards as prescribed by the concerned environmental protection agency.

(v). The term of a generation licence under Rules-5(1) of the Generation Rules is to commensurate with the maximum expected useful life of the units comprised in a generating facility, except where an applicant for a generation licence consents to a shorter term. According to the information provided by MLPL, its generation facility/thermal power plant will achieve Commercial Operation Date by July 31, 2017 and will have a useful life of twenty five (25) years from its COD. In this regard, it is clarified that as per international standards the life of a brand new steam turbine is taken as thirty (30) years. Therefore, it is considered that information provided by MLPL about the useful life of its generation facility/thermal power plant is consistent with international benchmarks other similar cases. Therefore, the Authority fixes the term of the generation licence as twenty five (25) years from COD of the project.

(vi). Regarding Tariff that the company will charge from the Power Purchaser, it is clarified that under Section-7(3)(a) of the NEPRA Act, determination of tariff, rate and charges etc. is the sole prerogative of the Authority. The Authority directs MLPL to charge only such tariff which has been determined, approved or specified by it, in terms of Rule-6 of the Rules. MLPL will supply electric power to the designated BPC only. Since the matter of charges between MLPL and its BPC is a bilateral issue and does not affect any third party,



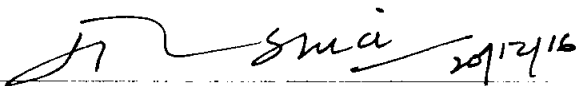
therefore, the parties i.e. MLPL and its BPC may agree the same mutually and approach the Authority for its approval.

(vii). Regarding land of the project (mentioned in the Schedule-I of the generation licence), the Authority directs MLPL that the same shall be exclusively used by MLPL for the proposed coal power plant and MLPL cannot carry out any other generation activity on this land except with prior approval of the Authority.


(viii). In view of the above, the Authority hereby approves the grant of generation licence to MLPL on the terms and conditions set out in the generation licence annexed to this determination. The grant of generation licence will be subject to the provisions contained in the NEPRA Act, relevant rules, regulations framed there under and the other applicable documents.

Authority:

Maj. (R) Haroon Rashid
(Member)

 20/12/16

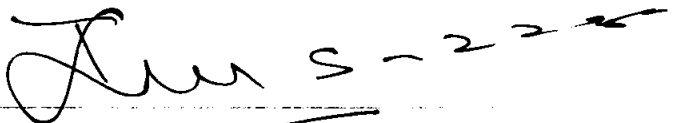
Syed Masood-ul-Hassan Naqvi
(Member)

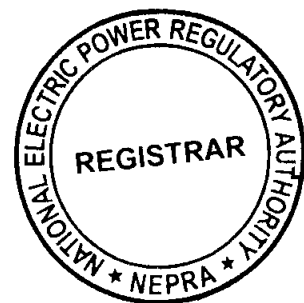
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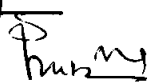
Himayat Ullah Khan
(Member/Vice Chairman)

—

Tariq Saddozai
(Chairman)

 20/12/16




20.12.16

**National Electric Power Regulatory Authority
(NEPRA)
Islamabad – Pakistan**

GENERATION LICENCE

No. SGC/119/2016

In exercise of the Powers conferred upon the National Electric Power Regulatory Authority (NEPRA) under Section-15 of the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997, the Authority hereby grants Generation Licence to:

Maple Leaf Power Limited

Incorporated Under Section-32
of the Companies Ordinance, 1984 (XL VII of 1984) Having Corporate
Universal Identification No. 0095705, Dated October 15, 2015

for its Imported Coal Based Generation Facility/
Thermal Power Plant Located at 45 KM, Mianwali, Iskanderabad near Daud
Khel, District Mianwali, in the Province of Punjab.

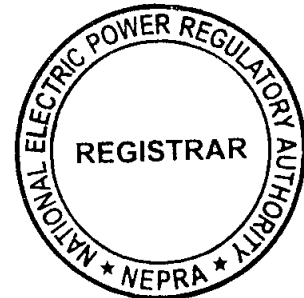
(Installed Capacity: 40.00 MW Gross)

to engage in generation business subject to and in accordance with the
Articles of this Licence.

Given under my hand on 20th day of December Two
Thousand & Sixteen and expires on 30th day of July Two
Thousand & Forty Two.

[Signature]
20.12.16
Registrar

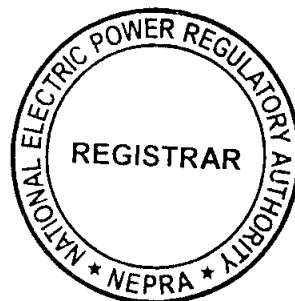
[Signature]



Article-1
Definitions

1.1 In this Licence

- (a). "Act" means "the Regulation of Generation, Transmission and Distribution of Electric Power Act, 1997";
- (b). "Applicable Documents" have the same meaning as defined in the Rules;
- (c). "Authority" means "the National Electric Power Regulatory Authority constituted under Section-3 of the Act";
- (d). "Bulk Power Consumer-BPC" means a consumer who purchases or receives electric power at one premises, in an amount of one megawatt or more or in such other amount and voltage level and with such other characteristics as the Authority may determine and the Authority may determine different amounts and voltage levels and such other characteristics for different areas;
- (e). "Bus Bar" means a system of conductors in the Generation Facility/Thermal Power Plant of the Licensee on which the electric power of all the generators is collected;
- (f). "Commercial Operations Date (COD)" means the day immediately following the date on which the generation facility of the Licensee is Commissioned;
- (g). "Law" means all the Act, relevant rules and regulations made there under and all the Applicable Documents;
- (h). "Licensee" means "**MAPLE LEAF POWER LIMITED**" and its successors or permitted assigns;



- (i). "Power Purchase Agreement" means the Power Purchase Agreement, entered or to be entered into by and between the Power Purchaser and the Licensee, for the purchase of electric power/energy generated by the generation facility/power plant of the Licensee, as may be amended by the parties thereto from time to time;
- (j). "Power Purchaser" means the BPC which has entered or be entering into a Power Purchase Agreement with the Licensee, for the purchase of electric power/energy generated by the Generation Facility/Thermal Power Plant of the Licensee, as may be amended by the parties thereto from time to time;
- (k). "Regulations" means "the National Electric Power Regulatory Authority Licensing (Application & Modification Procedure) Regulations, 1999" as amended or replaced from time to time;
- (l). "Rules" mean "the National Electric Power Regulatory Authority Licensing (Generation) Rules, 2000".

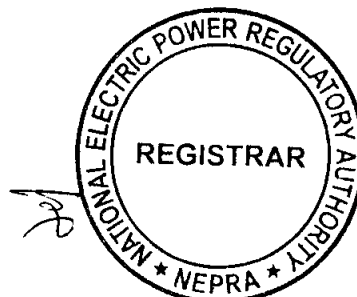
1.2 Words and expressions used but not defined herein bear the meaning given thereto in the Act or Rules and regulations issued under the Act.

Article-2
Applicability of Law

This Licence is issued subject to the provisions of the Law as amended or replaced from time to time.

Article-3
Generation Facilities

3.1 The location, size (capacity in MW), technology, interconnection arrangements, technical limits, technical and functional specifications and other details specific to the Generation Facility/Thermal Power Plant of the Licensee are set out in Schedule-I of this Licence.



3.2 The net capacity of the Generation Facility/Thermal Power Plant of the Licensee is set out in Schedule-II hereto.

Article-4
Term of Licence

4.1 This Licence is granted for a term of twenty five (25) years from the COD of the Generation Facility/Thermal Power Plant.

4.2 Unless suspended or revoked earlier, the Licensee may apply for renewal of the Licence within ninety (90) days prior to the expiry of the term of the Licence, as stipulated in the Regulations.

Article-5
Licence fee

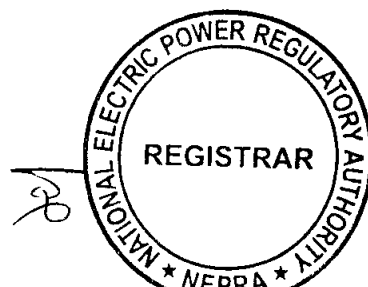
After the grant of the Generation Licence, the Licensee shall pay to the Authority the Licence fee, in the amount and manner and at the time set out in the National Electric Power Regulatory Authority (Fees) Rules, 2002.

Article-6
Tariff

The Licensee shall charge only such tariff which has been determined, approved or specified by the Authority.

Article-7
Competitive Trading Arrangement

7.1 The Licensee shall participate in such manner as may be directed by the Authority from time to time for development of a Competitive Trading Arrangement. The Licensee shall in good faith, work towards implementation and operation of the aforesaid Competitive Trading Arrangement in the manner and time period specified by the Authority. Provided that any such participation shall be subject to any contract entered into between the Licensee and another party with the approval of the Authority.



7.2 Any variation or modification in the above-mentioned contracts for allowing the parties thereto to participate wholly or partially in the Competitive Trading Arrangement shall be subject to mutual agreement of the parties thereto and such terms and conditions as may be approved by the Authority.

Article-8
Maintenance of Records

For the purpose of sub-rule (1) of Rule-19 of the Rules, copies of records and data shall be retained in standard and electronic form and all such records and data shall, subject to just claims of confidentiality, be accessible by authorized officers of the Authority.

Article-9
Compliance with Performance Standards

The Licensee shall comply with the relevant provisions of the National Electric Power Regulatory Authority Performance Standards (Generation) Rules 2009 as amended from time to time.

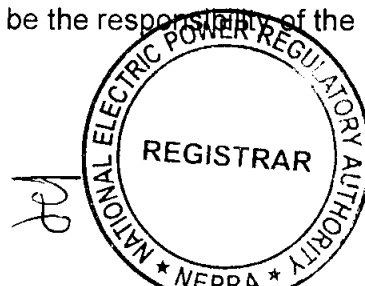
Article-10
Compliance with Environmental Standards

10.1 The Licensee shall, at all times, comply with the environmental standards as may be prescribed by the relevant competent authority as amended from time to time.

10.2 The Licensee shall provide a certificate on a bi-annual basis, confirming that the operation of its Generation Facility/Thermal Power Plant is in line with environmental standards as prescribed by the relevant competent authority.

Article-11
Power off take Point and Voltage

The Licensee shall deliver power to the Power Purchaser at the outgoing bus bar of its grid station. The up-gradation (step up) of generation voltage up to the required Interconnection voltage level will be the responsibility of the Licensee.



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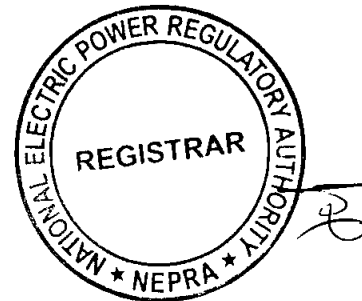
Article-12
Provision of Information

12.1 The obligation of the Licensee to provide information to the Authority shall be in accordance with Section-44 of the Act.

12.2 The Licensee shall be subject to such penalties as may be specified in the relevant rules made by the Authority for failure to furnish such information as may be required from time to time by the Authority and which is or ought to be or has been in the control or possession of the Licensee.

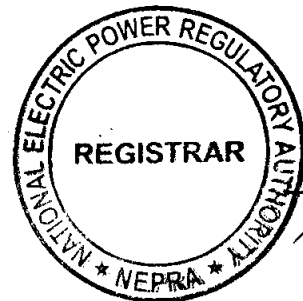
Article-13
Generating Capacity Reserve Requirements

The Licensee shall comply with the minimum and maximum capacity requirements as stipulated and agreed in the Power Purchase Agreement signed between the Licensee and the Power Purchaser(s).



SCHEDULE-I

The Location, Size (i.e. Capacity in MW), Type of Technology, Interconnection Arrangements, Technical Limits, Technical/Functional Specifications and other details specific to the Generation Facility of the Licensee are described in this Schedule

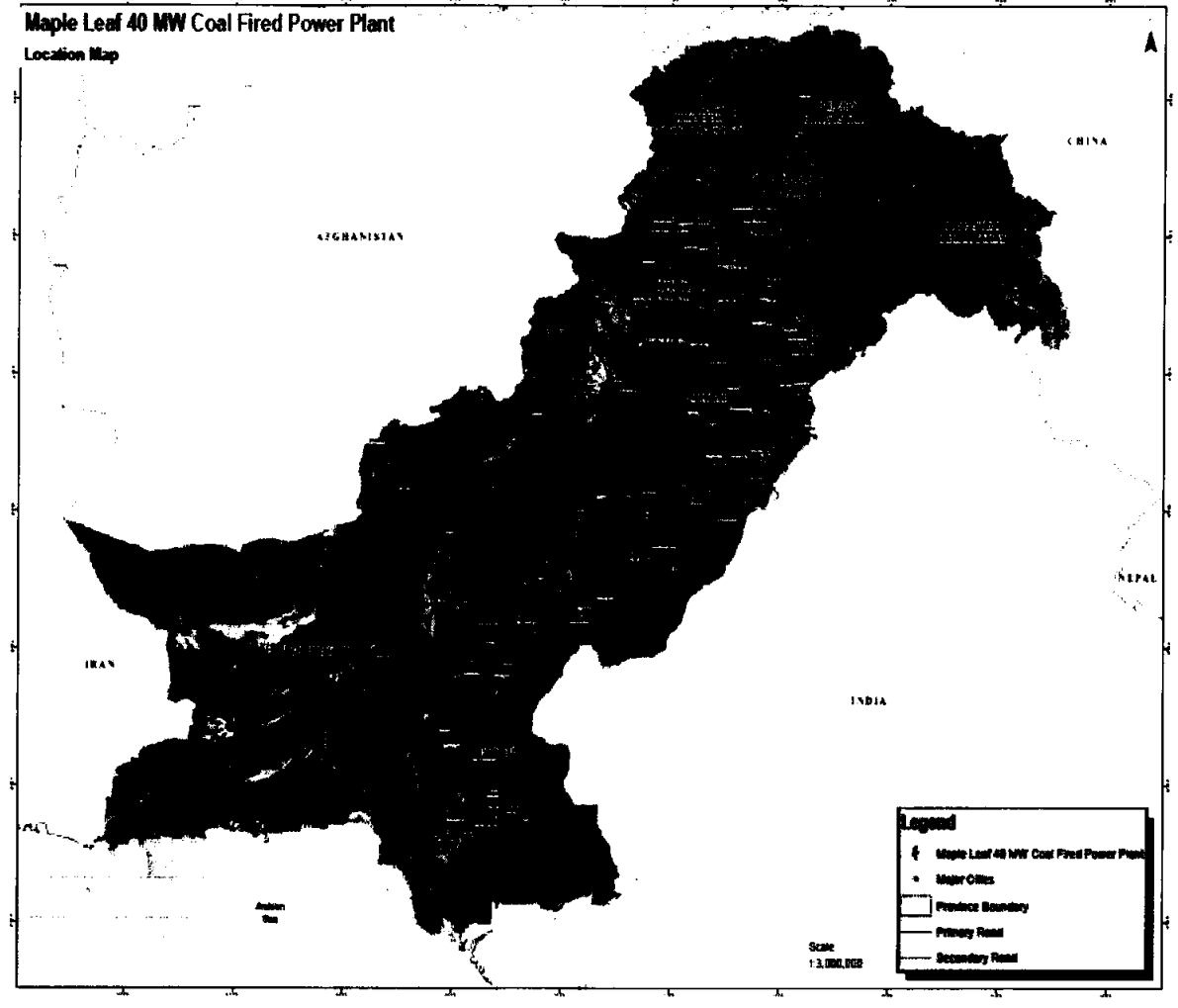


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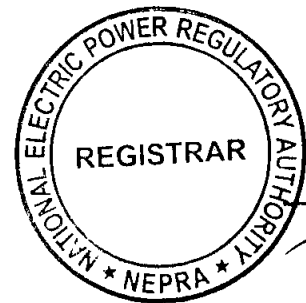
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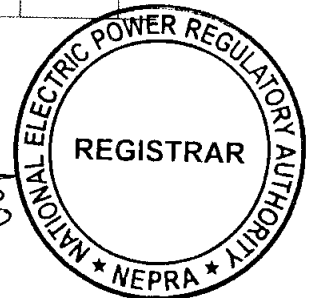
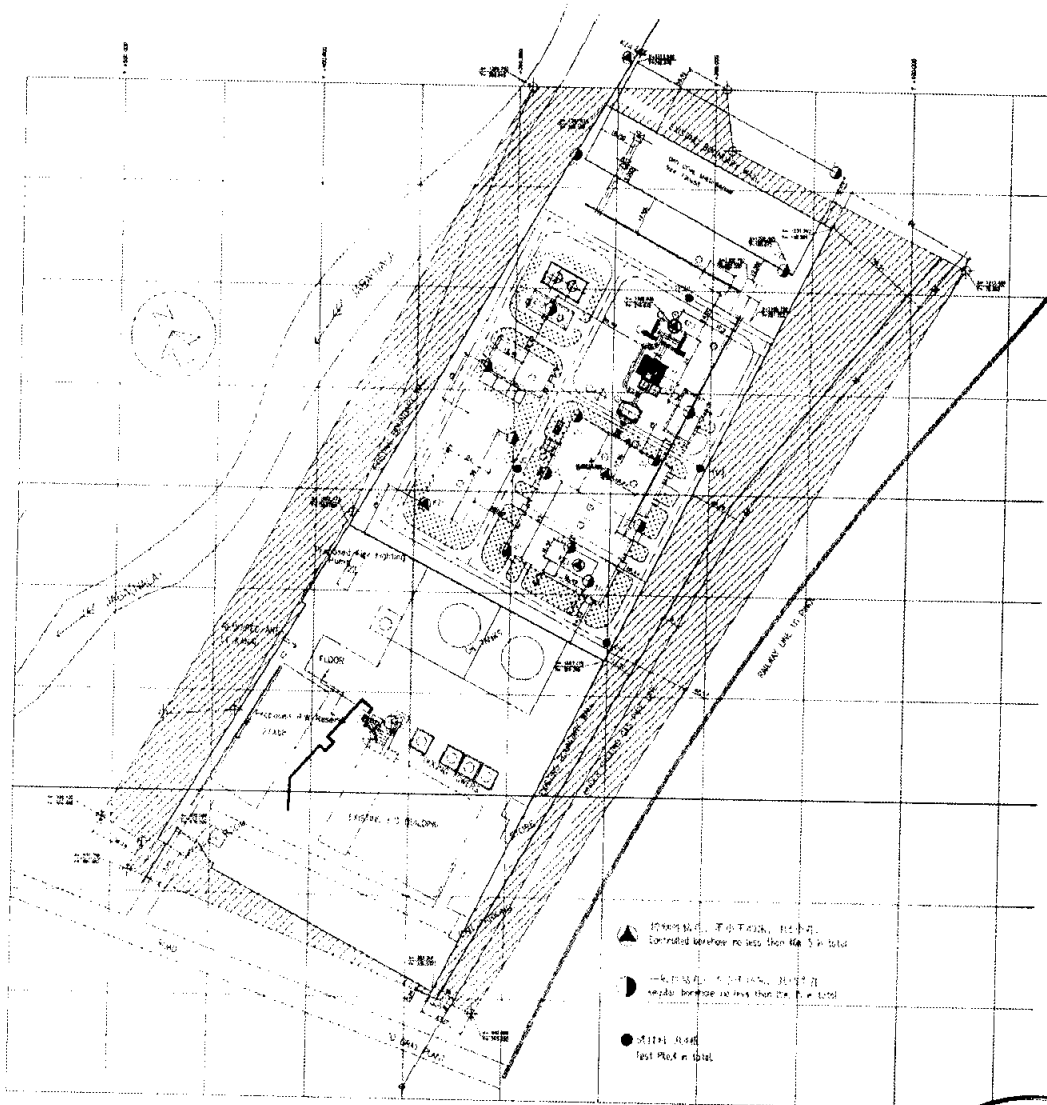
Location of the Generation Facility/Thermal Power Plant



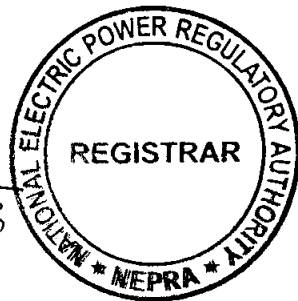
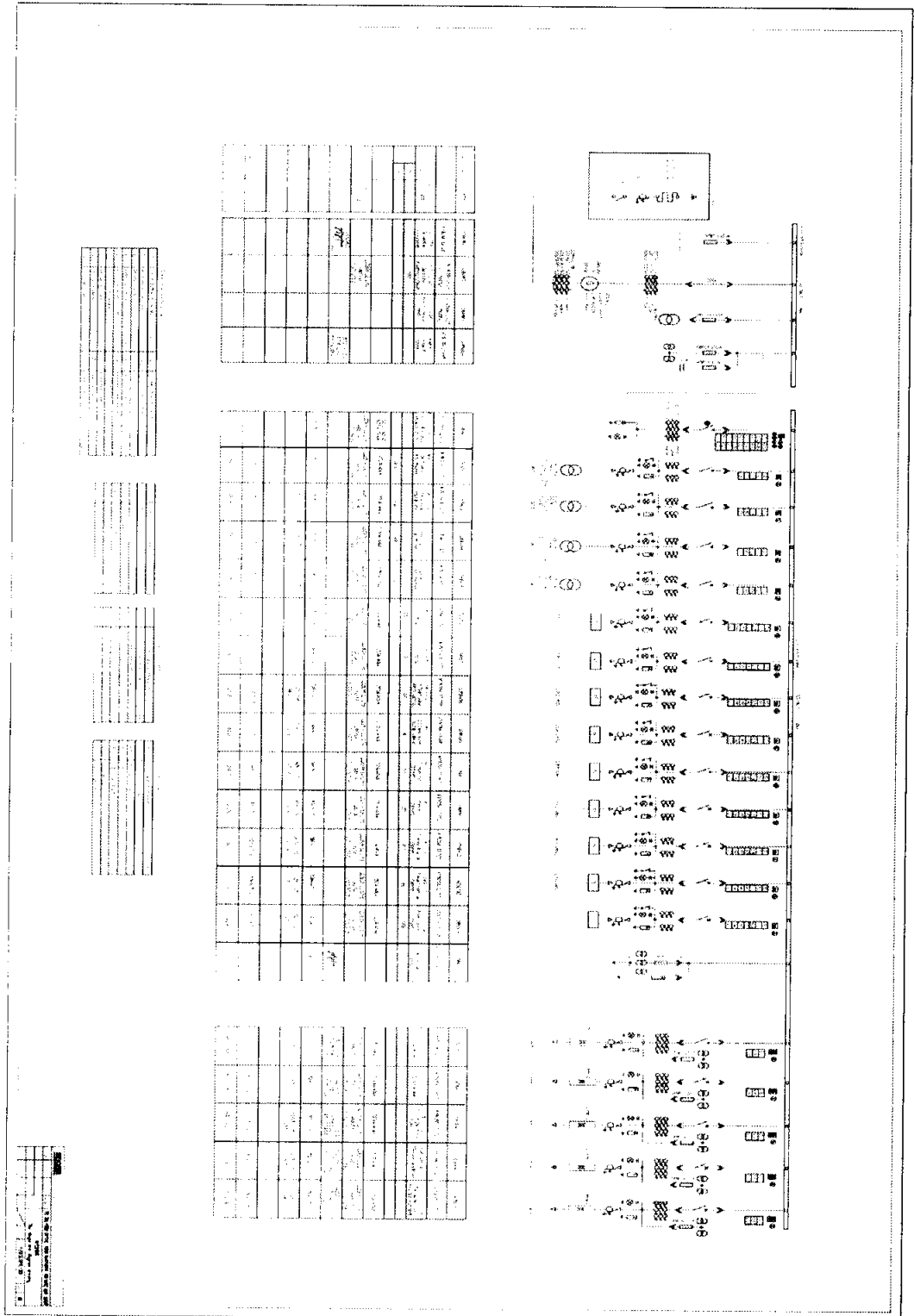
Land
of the Generation Facility/Thermal Power Plant



Layout of the Generation Facility/Thermal Power Plant



Single Line Diagram of the Generation Facility/Thermal Power Plant

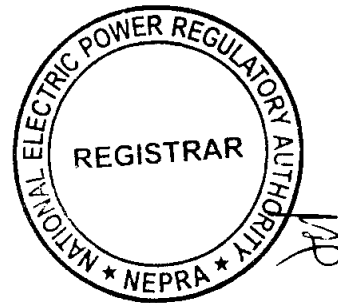


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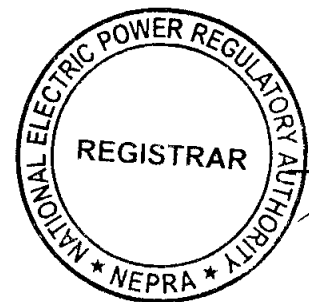
**Interconnection Facilities/Transmission Arrangements
for Dispersal of Power from the Generation Facility/Thermal
Power Plant**

The electric power from the coal based generation facility/ thermal power plant of the Licensee/Maple Leaf Power Limited (MLPL) will be supplied to Maple Leaf Cement Factory Limited.

(2). The Interconnection Facilities/Transmission Arrangements for supply of electric power to Maple Leaf Cement Factory Limited will be at 6.3 KV level as described in the subsequent details given in this Schedule.



Route of the Feeder
for Supply of Electric Power to Bulk Power from the
Generation Facility/Thermal Power Plant



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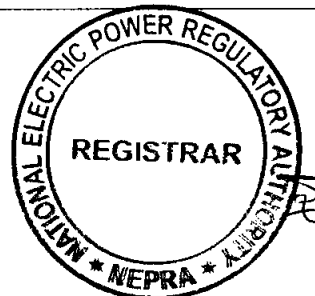
Details
of Generation Facility/Thermal Power Plant

(A). General Information

(i).	Name of the Company/ Licensee	Maple Leaf Power Limited
(ii).	Registered /Business Office the Company/ Licensee	42-Lawrance road, Lahore
(iii).	Location of the Generation Facility/ Thermal Power Plant	45-KM, Mianwali, Iskenderabad near Daud Khel, District Mianwali, Punjab
(iv).	Type of the Generation Facility/ Thermal Power Plant	Coal Based Thermal Power Plant

(B). Plant Configuration

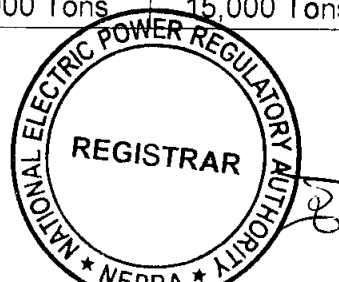
(i).	Installed Capacity/ Size of the Generation Facility/Thermal Power Plant	40.00 MW	
(ii).	Type of Technology of the Generation Facility/ Thermal Power Plant	Pulverized Coal Boiler and Condensing Steam Turbine Thermal Power Plant	
(iii).	Number of Units/Size (MW)	1 x 40.00 MW	
(iv).	Unit Make/Model & Year of Manufacture	Steam Turbine	Condensing Steam Turbine Manufactured in China by Hangzhou Chenneng Steam Turbine Power Co Ltd Model N40-9.8 Year 2016
		Boiler	Pulverized Coal Boiler, with subcritical steam parameters, of Hangzhou Boiler Group Co. China. Model UG-180/10-M, Year 2016
(v).	Expected COD of the Generation Facility/ Thermal Power Plant	July 31, 2017 (Expected)	



(vi).	Expected Useful Life of the Generation Facility/ Thermal Power Plant from COD	25 Years (Minimum)
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(c). Fuel/Raw Material Details

(i).	Primary Fuel	Imported Coal from South Africa		
(ii).	Alternative Fuel	Imported Coal from Indonesia		
(iii).	Start-Up Fuel	Light Diesel Oil (LDO)		
(iv).	Fuel Source for each of the above (i.e. Imported/ Indigenous)	The main fuel source is imported coal from South Africa/Indonesia and will be supplied to the site by various suppliers.		
(v).	Fuel Supplier for each of the above	Primary Fuel	Primary Fuel	Primary Fuel
		Imported from South Africa	Imported from South Africa	Imported from South Africa
(vi).	Supply Arrangement for each of the above	Primary Fuel	Primary Fuel	Primary Fuel
		Approx. 161,806 MT per annum Required capacity to be supplied via trucks from port	Approx. 161,806 MT per annum Required capacity to be supplied via trucks from port	Approx. 161,806 MT per annum Required capacity to be supplied via trucks from port
(vii).	No of Storage Bunkers/Tanks/ Open Yard	Primary Fuel	Primary Fuel	Primary Fuel
		One Covered Coal Shed at Site of the Generation Facility	One Covered Coal Shed at Site of the Generation Facility	One Covered Coal Shed at Site of the Generation Facility
(viii).	Storage Capacity of each Bunkers/Tanks/ Open Yard	Primary Fuel	Primary Fuel	Primary Fuel
		Approx. 15,000 Tons	Approx. 15,000 Tons	Approx. 15,000 Tons
(ix).	Gross Storage	Primary Fuel	Primary Fuel	Primary Fuel
		Approx. 15,000 Tons	Approx. 15,000 Tons	Approx. 15,000 Tons



(D). **Emission Values**

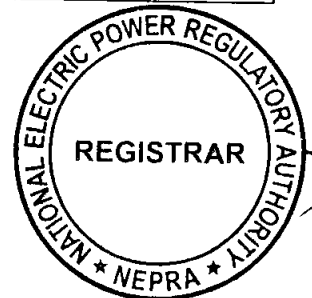
		Primary Fuel	Alternative Fuel	Start-Up Fuel
(i).	<1500	<1500	<1500	<850
(ii).	<750	<750	<750	<510
(iii).	-	-	-	-

(E). **Cooling System**

(i).	Cooling Water Source/Cycle	Underground through Bore Well Water Turbine/Close Cycle cooling system
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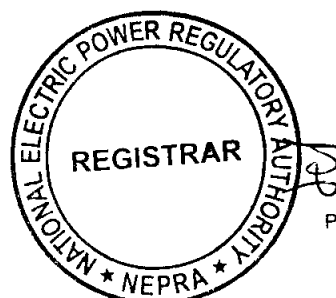
(F). **Plant Characteristics**

(i).	Generation Voltage	6.3 KV		
(ii).	Frequency	50Hz		
(iii).	Power Factor	0.8 (lagging)		
(iv).	Automatic Generation Control (AGC) (MW control is the general practice)	Yes		
(v).	Ramping Rate (MW/min)	Cold Start	Warm Start	Hot Start
		0.8 MW/min	1.2 MW/min	2.0 MW/min
(vi).	Time required to Synchronize to Grid (Hrs.)	0.5 Hours		



**Information Regarding
 Bulk Power Consumers-BPCs being supplied Electric Power from the Generation
 Facility/Thermal Power Plant of the Licensee-MLPL**

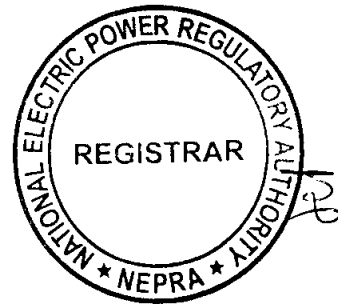
(i).	Total Number of BPCs	One (01)		
(ii).	Name of the BPCs	BPC-I	Maple Leaf Cement Factory Limited	
(iii).	Location of each of the BPC (distance and/or identity of premises)	BPC-I	500 meters from MLPL	
(iv).	Contracted Capacity (MW) and Load Factor (L.F.) for Each of the BPC	Identity	Contracted Load	Load Factor
		BPC-I	35.60 MW	100%
(v).	Specify Whether			
	(a).	Each BPC is an Associate undertaking of the MLPL -If yes, specify percentage ownership of equity;	MLPL is 100% owned Subsidiary of BPC	
	(b).	There are common directorships:	All directors are common	
(c).	Either can exercise influence or control over the other.	Yes		
(vi).	Specify nature of contractual Relationship			



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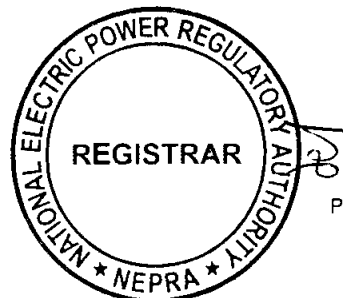
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	(a).	Between MLPL and BPCs	Supplying Electric Power on a continuous basis
	(b).	Between BPCs and FESCO.	BPC is consumer of FESCO
(vii).	Any other network information deemed relevant for disclosure to or consideration of the Authority		N/A

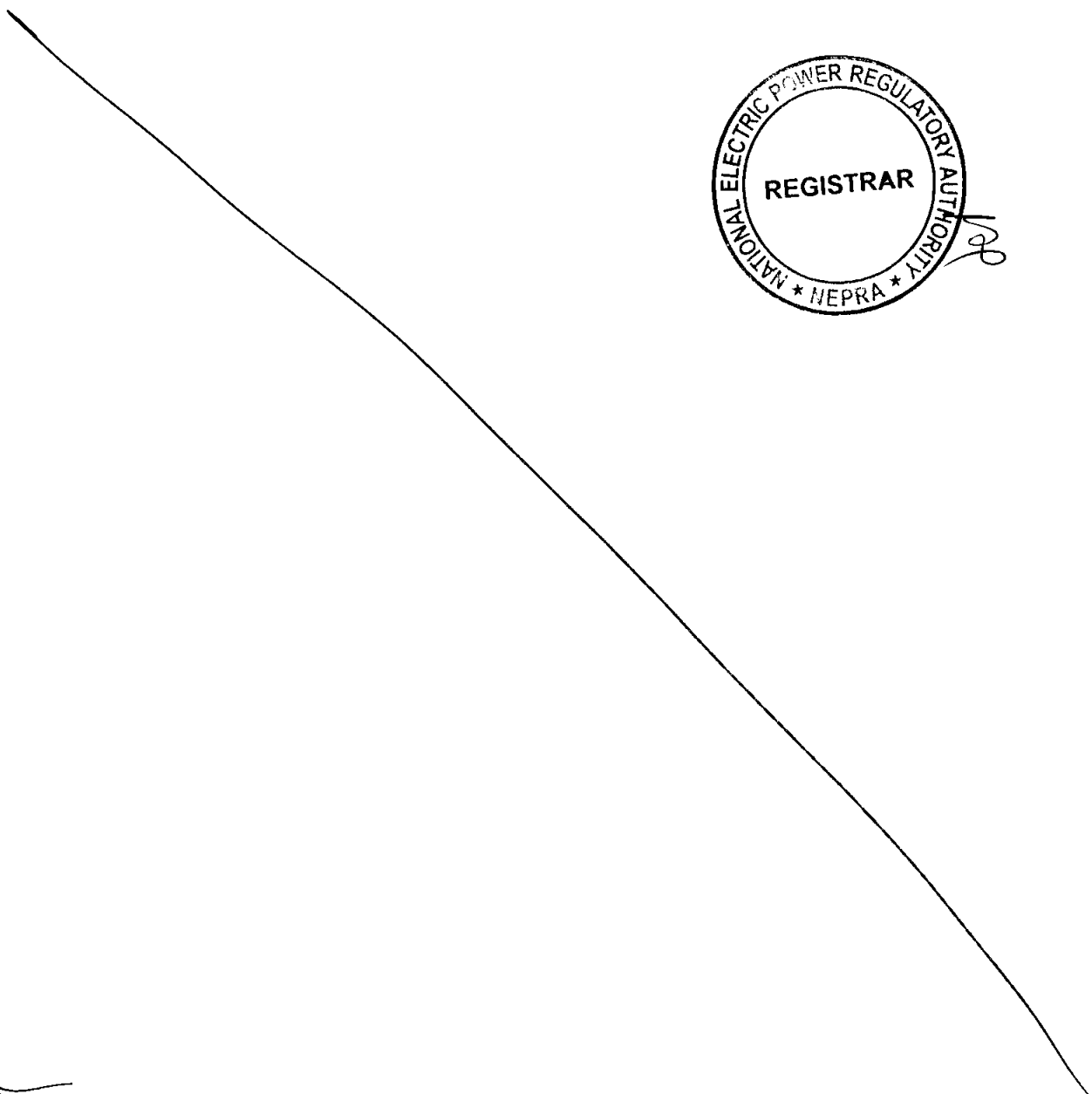
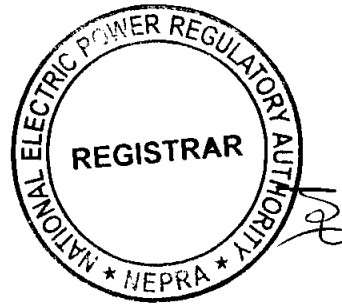


**Information Regarding
 Distribution Network for Supply of Electric Power to BPC By the Licensee-MLPL**

(i).	No. of Feeders	03 (Three)		
(ii).	Length of Each Feeder (Meter)	Identity	Feeder No.	Feeder Length
		BPC-I	CFPP-1	1.20 KM
		BPC-I	CFPP-2	1.20 KM
		BPC-I	CFPP-3	1.20 KM
(iii).	Length of Each Feeder to each Consumer	As Above		
(iv).	In respect of all the Feeders, describe the property (streets, farms, Agri land, etc.) through, under or over which they pass right up to the premises of customer, whether they cross-over.	CFPP-1	The feeder is located on the private property owned by BPC itself through existing RCC Cable Tunnel. The Feeder crosses under Railway Track while connecting to BPC-I for which Railway approval is with BPC	
		CFPP-2	-Do-	
		CFPP-3	The feeder is located on the private property owned by BPC.	
(v).	Whether owned by MLPL, BPC or FESCO-(deal with each Feeder Separately)		Consumer BPC (Maple Leaf Cement Factory)	
	(a).	If owned by FESCO, please furnish particulars of contractual arrangement	CFPP-1	The complete Feeder will be constructed by the BPC itself.
			CFPP-2	-Do-
			CFPP-3	-Do-
	(b).	Operation and maintenance (O&M) responsibility for each feeder	CFPP-1	The O&M of the Feeder will be done by BPC itself
			CFPP-2	-Do-
CFPP-3			-Do-	
(vi).	Whether connection with network of FESCO exists (whether active or not)- If yes, provide details of connection arrangements (both technical and contractual)	Yes, BPC is Consumer of FESCO		



(vii).	Any other network information deemed relevant for disclosure to or consideration of the Authority.	N/A
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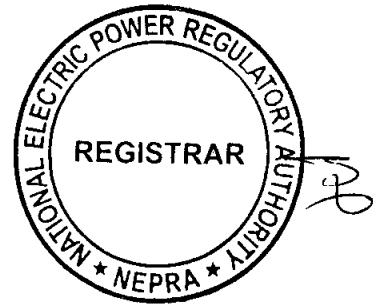
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SCHEDULE-II

The Installed/ISO Capacity (MW), De-Rated Capacity at Mean Site Conditions (MW), Auxiliary Consumption (MW) and the Net Capacity at Mean Site Conditions (MW) of the Generation Facilities of Licensee is given in this Schedule

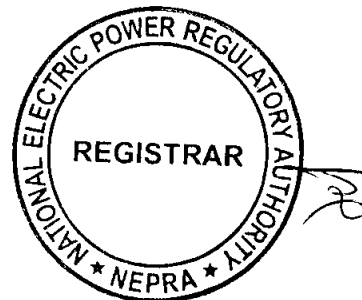


SCHEDULE-II

(1).	Total Gross Installed Capacity of the Generation Facility/Thermal Power Plant	40.00 MW
(2).	De-rated Capacity of the Generation Facility/Thermal Power Plant at Reference Site Conditions	40.00 MW
(3).	Auxiliary Consumption of the Generation Facility/Thermal Power Plant	04.00 MW
(4).	Total Net Capacity of the Generation Facility/Thermal Power Plant at Reference Site Condition	36.00 MW

Note

All the above figures are indicative as provided by the Licensee. The Net Capacity available to Power Purchaser(s) for dispatch will be determined through procedure(s) contained in the Power Purchase Agreement or any other applicable document(s).



Authorization
by National Electric Power Regulatory Authority (NEPRA) to
Maple Leaf Power Limited
(MLPL)

Incorporated under Section-32 of the Companies Ordinance, 1984 (XLVII of 1984)
Under Corporate Universal Identification

No. 0095705, Dated October 15, 2015

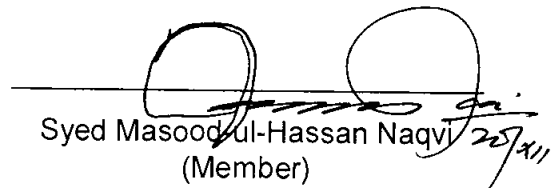
NEPRA GENERATION LICENCE No. SGC/119/2016
For
Sale to Bulk Power Consumer(s)

Pursuant to Section-21 of the NEPRA Act and Rule-7 of the NEPRA Licensing (Generation) Rules, 2000, the Authority hereby authorizes MLPL/(the Licensee) to engage in Second-Tier Supply business, limited to the following consumer(s) as mentioned in the Schedules-I of the Generation Licence (No. SGC/119/2016):-

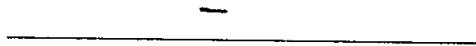
- (i). Maple Leaf Cement Factory Limited.



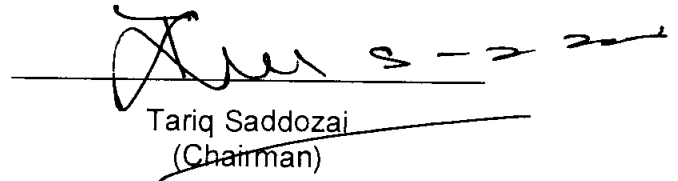
Maj. Rtd. Haroon Rashid
(Member)



Syed Masoodul-Hassan Naqvi
(Member)



Himayat Ullah Khan
(Member/Vice Chairman)



Tariq Saddozai
(Chairman)

