HI-TECH
PIPE & ENGINEERING INDUSTRIES
(PVT) LTD

Ref: HTPEI/788/NEPRA/2010
The Registrar,
National Electric Power Regulatory Authority
Islamic Republic of Pakistan,
2nd Floor, OPF Building, G-5/2,
Islamabad

Subject: **APPLICATION FOR REQUESTING LICENSE PROPOSED MODIFICATION UPTO 40 MW GENERATION FOR HI-TECH PIPES & ENGINEERING INDUSTRIES AT PLOT NO. X-22 SITE AREA KOTRI (DISTRICT JAMSHORO) SINDH.**

Dear Sir,

I, Haji Sirajuddin Soomro, Chief Executive, Hi-Tech Pipes & Engineering Industries, by the virtue of Board Resolution dated 20th July 2010, hereby apply to the National Electric Power Regulatory Authority for modification of Generation License upto 40 MW to the Hi-Tech Pipes & Engineering Industries located at Plot No. X-22, SITE Area Kotri District Jamshoro (Sindh), Pursuant to Section (15) of the Regulations of Generation of Electric Power Act 1997.

I, certify that the documents in support attached with this application are prepared and submitted in conformity with the provisions of the National Electric Power Regulatory Authority undertake to abide by the terms and provisions of the above-said regulations. I further undertake and confirm that the information provided in the attached documents in support is true and correct to the best of my knowledge and belief

A bank draft No 0023147 dated 26-02-2015 in the sum of Rs. 273,472/- (Rupees Two Lac seventy three thousands & four hundred seventy two only) (attached original) being the non-refundable license application fee calculated in accordance with schedule to the National Electric Power Regulatory Authority (NEPRA) Licensing (Application and Modification Procedure) Regulation 1999.

Thanking You,

Yours truly,

For Hi-Tech Pipes & Engineering (Pvt) Ltd,

Industries, X-22, SITE Area Kotri.

HITECH PIPE & ENGINEERING INDUSTRIES LTD. KOTRI

Authorized Signatory

Factory Office
X-22, Extension Area, S.I.T.E Kotri, Sindh, Pakistan
Ph. +92 (0) 22-3870614, Fax: +92 (0) 22-3870606
Web: www.hitechpipe.com
Email: sales@hitechpipe.com

Karachi Office:
B. # 152/ G, Block -2, P.E.C.H.S Karachi,
Sindh, Pakistan
Ph. +92 (0) 21-34547740,
Fax. +92 (0) 21-34311258

Hyderabad Office:
72/4, Hamid Plaza Saddar, Cantt Hyderabad
Ph # +92 22 2730935
Fax +92 22-2730936

The Registrar,
National Electric Power Regulatory Authority
Islamic Republic of Pakistan
NEPRA Tower, Ataturk Avenue (East), Sector G-5/1
Islamabad

HI-TECH
PIPE & ENGINEERING INDUSTRIES
(PVT) LTD.

Subject: **Request for LPM in Generation License from 15 MW to 40 MW**

Dear Sir

Reference to your letter no.NEPRA/R/LAG-209/2608 Dated: 03-03-2015 and our Letter no.HTE/NEPRA/2015 Dated: 27-02-2015, we are enclosing herewith the Para wise reply of your Letter for your kind early process and necessary action please.

1. **Text of the Proposed Modification (existing and proposed)**

The existing Generation License of our Industries (M/S Hi-tech Pipes and Engineering Industries (Pvt) Ltd plot no. X-22) is 15.00 MW consisting of nine (09) Gas Engines (6 x 2.00 MW + 3 x 1.00 MW) of different make and capacity. Now we are planning to add another 25.00 MW (Detail of engines already sent to you) to our existing generation capacity thereby increasing the installed capacity up to 40.00 MW

2. **Reasons for Proposed Modification**

We enhanced our Pipe Manufacturing Industries by adding new technology pipes i.e MS Pipe from 2" to 98" and GRP Pipe from ½" Pipe to 48" dia for supply to Govt Agencies Project and Private Projects in the country, but due to non-development works by the Federal Govt. of Pakistan and Province Govt. of Sindh since couple of years we are unable to run our factory with full capacity so that is a reason for surplus power available for sell in our factory.
As explained above that we are installing more Gas Engines increasing the capacity and we are under obligation to inform the regulator to changes in capacity and get the generation license duly amended up to 40.00 MW.

3. **Impact on Tariff, Quality of Service and Performance**

The proposed changes in capacity will not have any adverse impact on Tariff, Quality of Service and the Performance under our existing 15.00 MW generation license.

Thanking you.

Yours truly,

For Hi-tech Pipes & Engineering Industries (Pvt) Ltd.

Authorized Signatory

Factory Office:
X-22, Extension Area, S.I.T.E Kotri, Sindh, Pakistan
Ph: +92 (0) 22-3870614, Fax: +92 (0) 22-3870606
Web: www.hitechpipe.com
Email: h.s@hitechpipe.com

Karachi Office:
B. # 152/ G, Block -2, P.E.C.H.S Karachi,
Sindh, Pakistan
Ph: +92 (0) 21-34547740,
Fax: +92 (0) 21-34311258

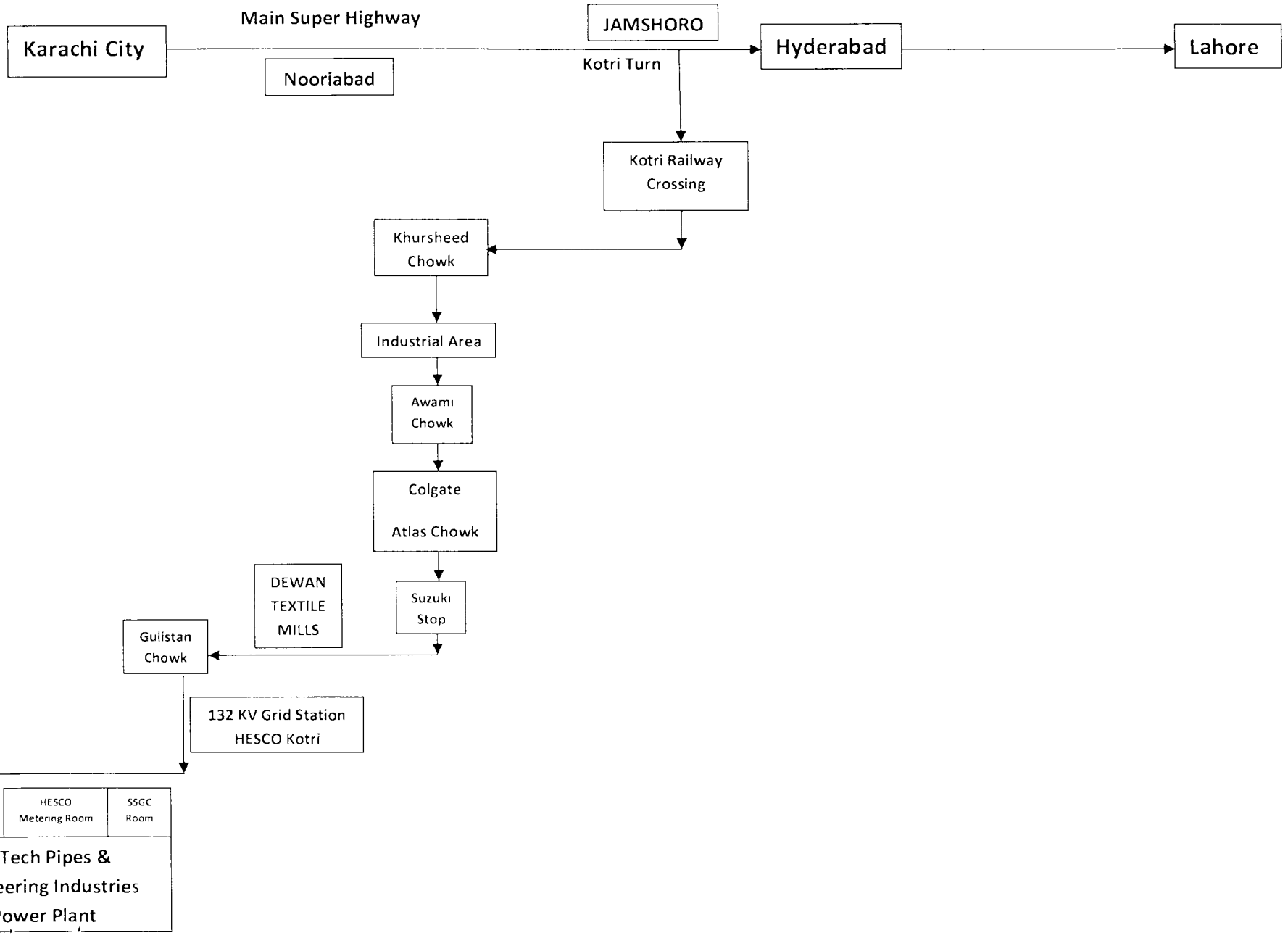
Hyderabad Office:
72/4, Hamid Plaza Saddar, Cantt Hyderabad.
Ph: # +92-22-2730935
Fax: +92-22-2730936

Annexure G

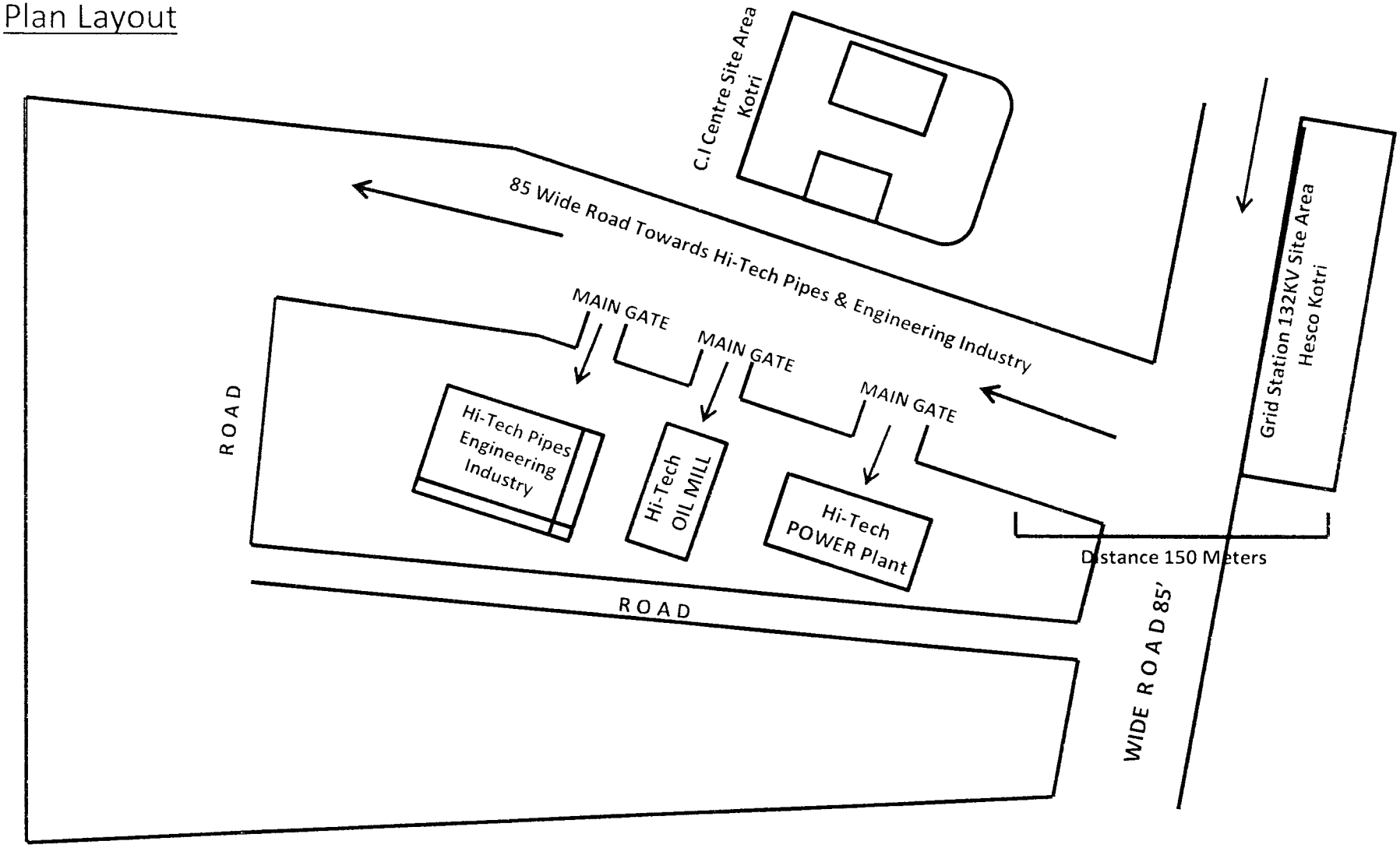
Location Maps, site Maps, land

Regulation # 3 (5) - A (1)

Information regarding infrastructure (roads, rail) as required pursuant to Site Map Revised Schedule (III) 3 (5) – A (i)

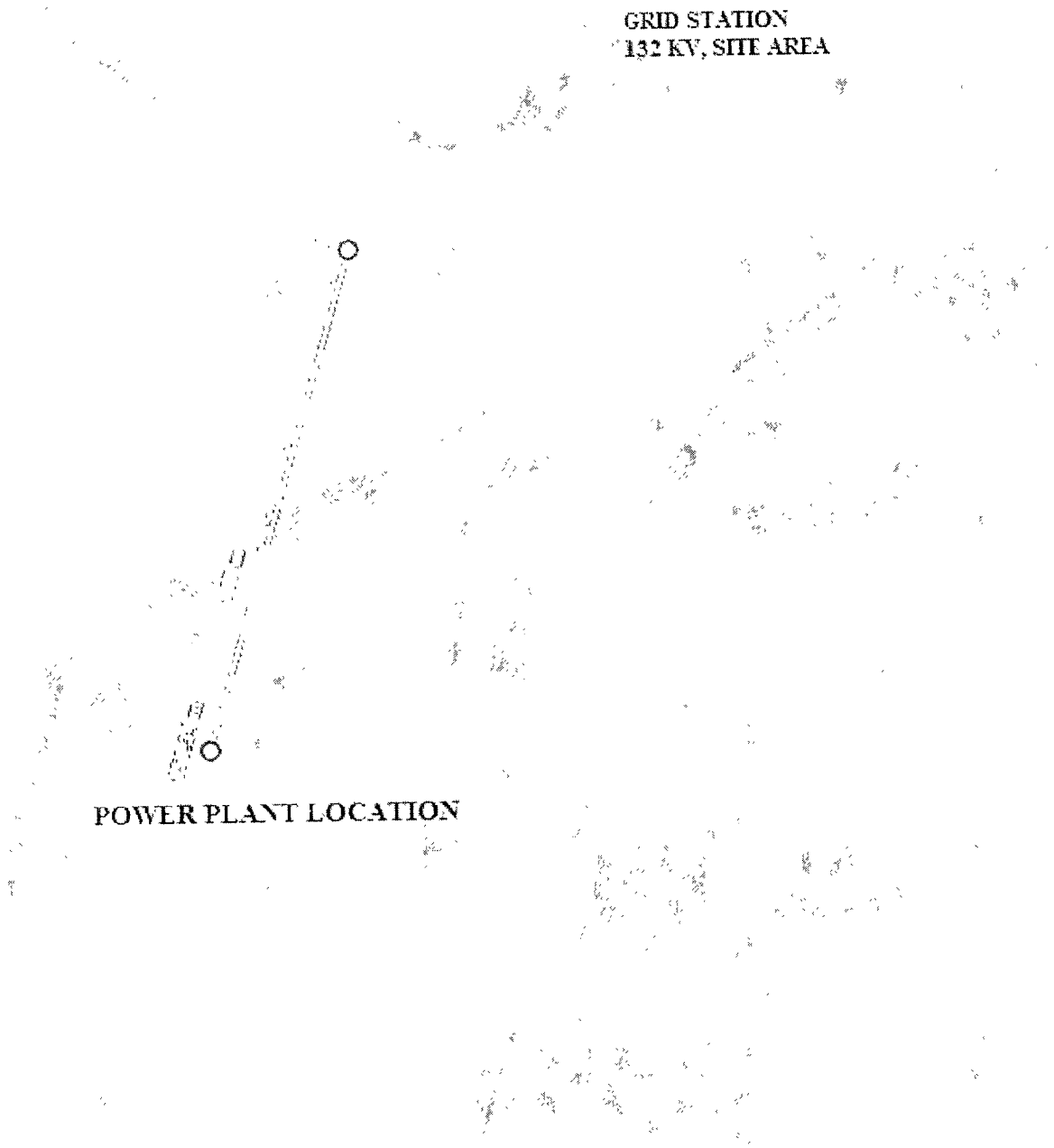


Plan Layout



PLAN FOR POWER GENERATION @ HI-TECH PIPES & ENGINEERING INDUSTRIES

X-22 Extension Area S.I.T.E Kotri Sindh



PLAN FORPOWER GENERATION @ HI-TECH PIPES & ENGINEERING INDUSTRIES
X-22 Extension Area S.I.T.E Kotri Sindh

Type of Technology

Regulation # 3 (5)-A (2)

Type of Technology

GAS GENERATOR SET

Number of Units

Regulation # 3 (5) - A (3)

NUMBER OF UNITS

25 UNITS (15 x 2 =30 MW, 10 x1 = 10 MW)

Size of Plant

Regulation # 3 (5) - A (4)

SIZE OF PLANT

40 MW

Year Make/Model, Opretion date and expected remaining life

Regulation # 3 (5) - A (5)

YEAR MAKE/MODEL, OPERATION DATE AND EXPECTED REMAINING LIFE

CATERPILAR 3532	2000	15 SETS	30000 KW
CATERPILAR 3516	1000	10 SETS	10000 KW
			40000 KW

OPERATION DATE JULY 2015

EXPECTED REMAINING LIFE 30 YEARS

Installed capacity, de-rated capacity,

Aux. Consumption and expected

Remaining life

Regulation # 3 (5) - A (6)

Installed Capacity	40 MW
De-Rated Capacity	06 MW
Parasitic Load (Auxiliary)	1.6 MW
NET Load for Sale	32.4 MW
Expected Remaining Life	30 Years

Fuel (oil/gas): Type,

Imported/indigenous, supplier, logistics, pipeline etc.

In case of Gas fuel, a Gas Sale Agreement (GSA) signed between Applicant and Gas Supplier

Regulation # 3 (5) - A (7)

DETAIL

FUEL USE

A. FUEL TYPE	NATURAL GAS
B. FUEL (IMPORTED/INDIGINEOUS)	INDIGINEOUS
C. FUEL SUPPLY	SSGC QUALITY PIPE LINE

Supply Voltage (11KV/132KV).

In case of 132KV Voltage distance and name of

Nearest Grid (Single Line Diagram)

Regulation # 3 (5) - A (8)

DETAIL

DISTANCE OF POWER PLANT FROM HESCO GRID

132 KV Kotri Site Grid Station

(150) Meters

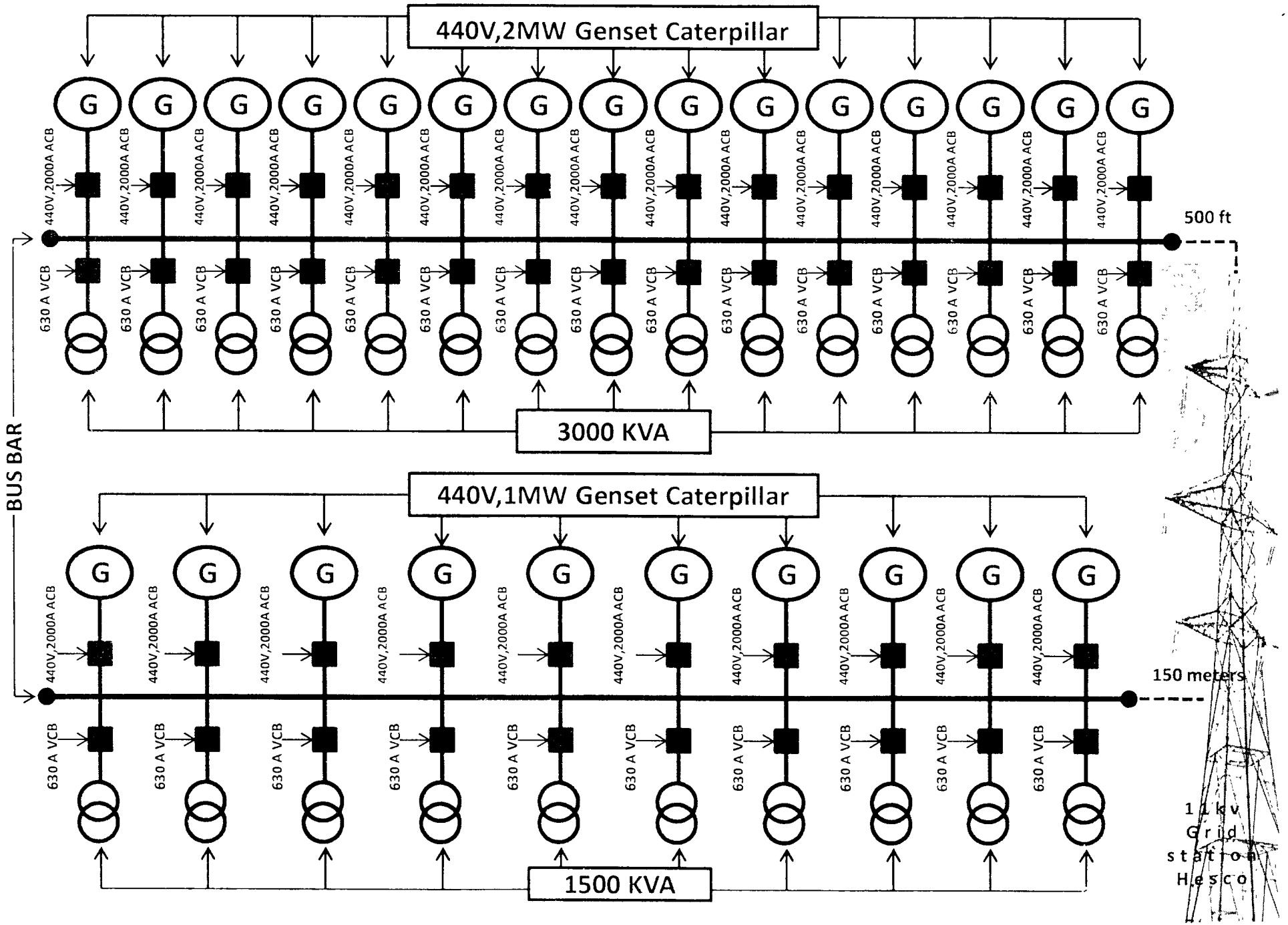
For Hi-Tech Pipes & Engineering

Industries, Plot no. X-22,

Site Kotri.

Authorized signatory

Single Line Die Gram



Plant Characteristics: Generation voltage, Power factor, Frequency, Automatic generation control, Ramping rate, Alternative fuel, Time(s) required to synchronize to gird.

Regulation # 3 (5) - A (9)

HI-TECH PIPES & ENGINEERING INDUSTRIES

REGISTERED OFFICE	G-152, BLOCK-02 NEAR KHALID BIN WALID ROAD, PECHS COLONY, PECHS KARACHI, SINDH PAKISTAN
PLANT LOCATION	PLOT NO. X-22 SITE KOTRI.
TYPE OF FACILITY	PIPE MANUFACTURING WITH CAPTIVE POWER PLANT

PLANT CONFIGURATION

A. PLANT SIZE	40 MW
B. DE RATED CAPACITY	06 MW
C. PARACITIC LOAD	1.6 MW
D. NET LOAD FOR SALE	32.40 MW
E. TYPE OF TECHNOLOGY	GAS GENERATOR SET
F. NUMBER OF UNITS	25 UNITS (15 X 2 = 30 MW, 10 X 1 = 10 MW)
G. UNIT SIZE AND MAKE	CATERPILAR 3532 2000 15 SETS 30000 KW CATERPILAR 3516 1000 10 SETS 10000 KW
H. GROSS CAPACITY	40000 KW
I. DATE OF COMMISSIONING	

FUEL USE

A. FUEL TYPE	NATURAL GAS
B. FUEL (IMPORTED/INDIGENOUS)	LOCAL
C. FUEL SUPPLY	SSGC QUALITY PIPE LINE

WATER

COOLING WATER SOURCE	CANAL
EXPECTED REMAINING LIFE OF THE FACILITY	30 YEARS

PLANT CHARACTERISTICS

A. GENERATION VOLTAGE	400 VOLTS
B FREQUENCY	50 Hz
C POWER FACTOR	0.80 LAGGING
D AUTOMATIC VOLTAGE REGULATORS	PROVIDED
E RAMP TIME REGULATORS	PROVIDED
F. METERING POINT	The metering arrangement will be installed in a Separate room at interconnection point.
G METERING SYSTEM	All meters and metering devices available at the Metering point of the generation facility can be used for recording energy to be supplied to HESCO. The accuracy class of meters will be 0.5
H. CONTROL AND INSTRUMENTATIONS	All control instrumentations are provided to ensure safety according to Prudent Electrical practices.