

Ref. No. : JL/HPM/AK/CHV/20-21  
Dated : January 18, 2021

**M/s. Hanumant Paper Mills Pvt. Ltd.**  
**8.5 K.M. Jansath Road,**  
**Muzaffarnagar - 251001(U.P.)**  
**GSTIN: 09AAFCA0458E1ZX**

**Mobile: 9528461618**

**E-mail: [purchase.hanumant@gmail.com](mailto:purchase.hanumant@gmail.com)**

**Subject : Your requirement of 200 kVA silent DG set.**

Dear Sir,

We thank you for your valued enquiry and with reference to the same; we take pleasure in enclosing herewith the following, which shall form part of our quotation, for your kind consideration.

Brief Company Profile	- Annexure "I"
Price Schedule	- Annexure "II"
Commercial Terms & Conditions	- Annexure "III"
Technical Specifications	- Annexure "IV"
List of customers	- Annexure "V"
Technical catalogue	- Annexure "VI"

We trust, you will find our offer in line with your requirement and we look forward to receive your most valued order.

Thanking and assuring you our prompt attention at all times.

Yours faithfully,  
**For Jakson Limited,**

**(Awanesh Kumar)**  
**Sr. Team Member – Distributed Energy Business**  
**Mobile: 9319447530**  
**E-mail: [awanesh.kumar@jakson.com](mailto:awanesh.kumar@jakson.com)**

Encl.: As above

## Jakson Limited

Survey No.-199/1&Others  
Village Kalsar, Tal-Pardi  
Dist. Valsad-396185  
CIN No.:U74899DL1997PLC088808

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2341211,2340857  
☎ 0120 - 4302646  
✉ [contact@jakson.com](mailto:contact@jakson.com)  
🌐 [www.jakson.com](http://www.jakson.com)

**Corporate Office:**  
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## **ANNEXURE – I**

### **BRIEF PROFILE**

#### **Jakson Diesel Generators**

Jakson is a market leader in the diesel generator (DG) industry in India with a rich heritage of 70 years.

We are a pioneer of the DG industry in India having introduced several “first-in-industry” standards like silent generators, acoustic enclosures and low emission generators amongst others.

Our generators are manufactured using industry leading diesel engines and alternators from Cummins – a global leader in diesel engine and alternator technology. We have been a partner of Cummins in India since 1981 which continues till date.

Jakson offers the widest range of diesel powered generators from 7.5 kVA to 3750 kVA. No other manufacturer offers such a wide range of genset ratings under a single brand. This wide product range helps us to serve customers across various customer segments. Our clients include some of the biggest in names infrastructure, manufacturing, IT&ITES, healthcare, hospitality, residential and commercial real-estate, roads & highways, government bodies, FMCG, banking & finance sectors.

Jakson gensets are widely acknowledged and recommended by the industry for their efficient performance and low cost of ownership throughout the product lifecycle.

#### **Our Manufacturing Facilities**

Jakson has 2 state-of-the-art manufacturing plants located in Kathua and Kalsar with a combined capacity of 15000 generators annually.

Our manufacturing plant in Kalsar, Gujarat continues to be one of the largest single location diesel genset manufacturing facility in the country spread across 17 acres. The plant serves as an integrated unit for manufacturing acoustic enclosures and diesel generators. Our manufacturing plant in Kathua, is one of the largest manufacturing units in the region and is spread across 7 acres. Both our plants are equipped with advanced fabrication technologies; automated steel treatment plants, superior welding, shot blasting and painting facilities amongst others.

#### **Jakson Group – Corporate Profile**

Jakson is a leading energy and engineering solutions company offering a range of products and services that help customers effectively meet their diverse needs in a safe and sustainable manner. Jakson core businesses include Powergen & Distribution, Solar, Electrical & Civil EPC and Defence. It also has investments in Hospitality and Education sector. Established in the year 1947, Jakson has an extensive presence in India with 2200 employees, 3 manufacturing facilities, 1 Global Training Centre, 22 Sales Offices, 2 Service centers and a wide network of channel partners and dealers. The company has business operations in India, Bangladesh, Nepal, Singapore, Dubai and several countries in Africa. Jakson corporate headquarters are located in Noida, India.

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**ANNEXURE – II**

**PRICE SCHEDULE**

<b>Sl. No.</b>	<b>Particulars</b>	<b>Qty.</b>	<b>Price Each (Rs.)</b>	<b>Amount Total (Rs.)</b>
<b>01.</b>	Supply of <b>200 KVA</b> 415 Volts <b>Silent</b> DG set comprising of <b>Cummins</b> make Engine model <b>QSB6.7-G15</b> developing <b>256 BHP</b> coupled to <b>200 KVA, 415 Volts, Stamford</b> make Alternator mounted on a common base frame, complete with:  a) Manual Control Panel b) Fuel Tank c) Batteries & Leads d) Silencer – Residential e) AVM Pads f) First Fill of Lube Oil g) Acoustic Enclosure	<b>01 No.</b>	<b>12,00,000/-</b>	<b>12,00,000/-</b>

**Note:** These prices are governed by Commercial Terms & Conditions given in Annexure-III.

**For Jakson Limited**

**(Awanesh Kumar)**  
**Sr. Team Member - Distributed Energy Business**

**ANNEXURE – III**  
**COMMERCIAL TERMS & CONDITIONS**

1.	<b>Price Basis</b>	:	Ex-works, Kalsar (Gujarat) basis (Freight charges extra & transit insurance to be arranged by customer).
2.	<b>IGST</b>	:	Extra @ 18% on the total invoice value.
3.	<b>Delivery</b>	:	3-4 weeks from the date of receipt of clear order with advance.
4.	<b>Validity</b>	:	Our offer is open for acceptance for 30 days from date of offer.
5.	<b>Terms of Payment</b>	:	1) 50% interest free advance (Plus GST) along with PO, balance against Proforma Invoice prior to dispatch. <b>2) Kindly release the amount through RTGS/NEFT/IMPS. Our bank details can be shared with you at the time of ordering.</b>
6.	<b>State Taxes &amp; Variations</b>	:	All state taxes, levies like Octroi, Entry Tax, Municipal/Local Body Tax, Works Contract Tax etc. and statutory variations shall be to Purchaser's account.
7.	<b>Warranty/Guarantee</b>	:	The components of the DG Set stand guarantee/ warranty of its respective manufacturer for a period of 18 months from the date of dispatch or 12 months/5000 hours from the date of commissioning, whichever happens earlier? However engine & alternator stand guarantee/warranty of its manufacturer for a period of 2 years/5000 hours, whichever happens earlier. Defects rising due to faulty installation, and/or commissioning, misuse, faulty storage and/or handling, improper maintenance, normal wear-tear and damages caused due to accidents are specifically excluded. Parts found defective during guarantee period will be replaced or repaired at out discretion. Parts shall be sent to us freight paid basis and the same shall be returned after rectification or replacement on freight to pay basis. This warranty is not a free service contract. We shall not be liable for any direct, indirect or consequential losses or damages of any type whatsoever.
8.	<b>General</b>	:	All orders are subject to our acceptance in writing.
			All disputes are subject to Delhi jurisdiction only.
			Offer is subject to no claim for damages incidental and / or
			Offer is subject to general terms and conditions of sales.
			Insurance shall to purchaser's account and shall be arranged by purchaser.
			Waybill if applicable-Shall be arranged by purchaser.
			ARBITRATION: All disputes arising out of an order/ contract against this quotation, the same will be referred to sole arbitrator named by the seller as per the Arbitration and Conciliation Act, 1996.
9.	<b>Installation &amp; Commissioning</b>	:	The offer is for supply of D.G. Set only. Once D.G. Set is supplied, installation as per installation guidelines including unloading, shifting, foundation, exhaust piping , fuel piping, power cabling , provision of fuel for testing, battery charging, 4 no. earthing, alternator termination box & changeover etc. shall be done by purchaser. We shall depute our representative for commissioning of the D.G. Set.
10.	<b>Order To Be Placed On</b>	:	JAKSON LIMITED Survey No 199/1 & Others, Village Kalsar, Taluka Pardi, Dist. Valsad-396185 Gujarat
11.	<b>Special Clause</b>	:	In the event of order cancellation by purchaser, cancellation charges @ 15% of basic order value shall be applicable for all ratings up to 250KVA and 10% for all ratings above that. GST shall be applicable as per law.

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## **ANNEXURE – IV**

### **TECHNICAL SPECIFICATION OF 200 KVA SOUND ATTENUATED DG SET**

#### **A. DIESEL ENGINE:**

**Cummins** make full authority electronic Diesel engine model rated at 1500 RPM, water cooled, four stroke, electric start, Six cylinder, conforming to BS : 5514 / ISO 3046 with capacity of 10% over loading for one hour in twelve hours duration having following accessories as scope of supply :-

<b>Sl. No.</b>	<b>DG Set Rating (KVA)</b>	<b>Engine Model</b>	<b>Engine BHP</b>	<b>Aspiration</b>
<b>01.</b>	<b>200</b>	<b>QSB6.7-G15</b>	<b>256</b>	<b>TA</b>

#### **AIR INTAKE SYSTEM**

- Air intake manifold
- Dry type Air cleaner
- Restriction Indicator

#### **EXHAUST SYSTEM**

- Turbocharger
- Flexible connection
- Exhaust manifold
- Residential silencer

#### **COOLANT SYSTEM**

- Engine water pump.
- Radiator
- Coolant inhibitor.

#### **LUBRICATING SYSTEM**

- Oil Sump.
- Engine mounted lube oil pump & cooler.
- Full flow spin-on lube oil filter.

#### **FUEL SYSTEM**

- Electronic Governor
- 24V DC solenoid coil.
- Dual fuel filter system

#### **STARTING SYSTEM**

- 24V DC electric starter.
- 24V DC battery charging alternator.

#### **POWER COMMAND CONTROLLER (PC1.1)**

CUMMINS Power Command PC 1.1 is a microprocessor based integrated generator set monitoring, metering protection and control system with built-in -torque matched volts/Hz overload control.

#### **Single control for all genset functions:**

- Digital Governing
- Digital voltage control
- Engine control
- Operator interface
- Protection
- Advanced control functions

## Standard features of genset controller

### Engine:

#### Metering

- RPM
- Battery Voltage
- Lube oil pressure
- Coolant Temp.
- Running hours

#### Protections

- Low lube oil pressure
- High water temperature
- High/Low DC voltage
- Weak Battery
- Over speed
- Fail to crank
- Fail to start
- Sensor failure

### Alternator:

#### Metering

- 3 phase voltage (L-L and L-N)
- 3 phase Current
- Frequency
- kVA.

#### Protections

- Under voltage
- Over voltage
- Over current
- Under/Over frequency
- Loss of sensing
- Field overload

### Misc.:

- Battle switch function
- Delay Start/Stop
- Configurable Cranking cycle
- Sleep mode time

### OTHERS

- Vibration Damper.
- Flywheel to suit single bearing alternator.

### B. ALTERNATOR:

Synchronous alternator of **Stamford** make of **200 KVA rating**, single bearing, suitable for continuous operation at 1500 RPM generating 415 volts at 0.8 power factor (lag) suitable for 50 Hz, 3 phase, 4 wire system. The alternator shall be Brushless type, self excited & self regulated through an AVR. The alternator will be suitable for tropical climate and shall generally conform to IS : 4722. The salient features of the alternator are:-

- $\pm 1.5\%$  voltage regulation (max) in static conditions.
- IP : 23 protection with class 'H' insulation.
- Permanent lubricating bearing.
- Permissible overload of 10% for one hour in 12 hours of operation.

### C. CONTROL PANEL:

The standard Control Panel is fabricated from 14/16 SWG sheet and Powder Coated after seven-tank treatment process. The panel is floor mounted type & equipped with:

- 300A TP MCCB 16KA (Fixed O/C, & S/C) Thermal Magnetic Release With Spreader Link
- PC-1.1 (DG Auto start/stop, Alt. Mtg., Protection and Engine Protection)

Contd.....p/3

**D. BASE FRAME:**

Engine and alternator are mounted, coupled and aligned on a common channel iron fabricated Base Frame with pre-drilled holes.

**E. FUEL TANK:**

Daily service fuel tank of 400 Ltrs. Capacity fabricated with 14 SWG sheet metal complete with drain valve, air vent, inlet and outlet connection.

**F. BATTERIES:**

Two nos. **CUMMINS PULSE** make battery of suitable capacity with its leads.

**G. DOCUMENTATION:**

- O & M Manual of Diesel Engine
- Spare parts catalogue of diesel engine
- Test Certificate of diesel engine
- Test certificate of Alternator
- Test Certificate of D.G. Set

**For Jakson Limited**

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## **ANNEXURE – IV (A)**

### **SALIENT FEATURES OF ACOUSTIC ENCLOSURE**

The acoustic enclosure is made of **16 gauge** CRCA sheet. The salient features of the acoustic enclosure are:-

- ◆ The enclosure is of modular construction with the provision to assemble and dismantle easily at site.
- ◆ The sheet metal components are **NINE TANK** pretreated before powder coating.
- ◆ The enclosure is powder coated (inside as well outside) with a special pure polyester based powder. All nuts and bolts internal are made of MS / all nuts and bolts external are made of SS.
- ◆ The doors are gasketed with high quality EPDM gaskets to prevent leakage of sound
- ◆ The door handles are lockable type.
- ◆ Sound proofing of the enclosure is done with high quality PU foam with superior lattice structure for effective sound absorption, fire retardant grade of suitable thickness, die cut and pasted with special adhesive for long durability.
- ◆ Specially designed attenuators are provided to control sound at air entry and exit points.
- ◆ Adequate ventilation is provided to meet total air requirement. If required, a blower is provided to meet total air requirement.
- ◆ Temperature of enclosure does not exceed beyond 5-7°C of ambient temperature.
- ◆ There is a provision of emergency shut down from outside the enclosure.
- ◆ Noise Level is <75 dB(A) at 1 mtr distance under free field conditions, i.e. as per CPCB norms.
- ◆ Door hinges are made of anti corrosive special alloy.
- ◆ Viewing window is fitted with toughened glass instead of acrylic sheet.

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**ANNEXURE –V**

<b><u>BRIEF CUSTOMER LIST</u></b>		
<b><u>APEX BODIES</u></b>	<b><u>BANKS / FIs</u></b>	<b><u>CONSTRUCTION</u></b>
High Court of India	ABN Amro Bank	BG Shirke
Parliament House	Associates Financials	DD Builders
Parliament Library	Bank of Nova Scotia	Gammon
Rashtrapati Bhawan	Centurion Bank	Gamuda - WCT
Supreme Court of India	CitiBank	IJM Infrastructure
	CitiGroup Finance	IVRCL Infrastructure
<b>ENGINEERING</b>	HDFC	Mapex
Alstom Power	HSBC Ltd.	Nagarjuna
Bechtel	ICICI	PNC Construction
BHEL	IDBI	Progressive
BSES	IndusInd Bank	Punj Lloyd
EIL	ING Vysya Bank	Raheja Group
Escorts	Kotak Mahindra	RBM-Pati JV
ETA Engg.	Lord Krishna Bank	Sahara
GE Power	PNB	Simplex
IMCC	SBI	Som Datt
IRCON	Standard Chartered Bank	Tacon Infrastructure
L&T	Tata-AIG Life Insurance	Unitech
Lurgi India	UTI Bank	Siemens
Mitsui Kensetsu	<b>HSG. SOCEITIES/ BUILDERS</b>	Tata Projects
Noida Power Co.	Ansal Housing	TCS
PGCIL	ATS Infrastructure	TELCO
BITES	CR Sons Builders	Parsvanath Developers
<b>FMCG</b>	Eldeco Projects	ATS Green
Hindustan Lever	FA Constructions	<b>HOSPITALS / MEDICAL</b>
Honda Sael Cars	Fine Home Apptts.	Apollo Group
Hotline CPT	Indian Airlines Workers CGHS	Batra Hosp.
ITC - Wills Lifestyle	Lovely Home CGHS	Heart Centre
Jindal Photo Films	Moonlight Estates	Jeevak Heart Hospital
Jyothy Labs	NS Construction	Noida Medical Centre
LG Electronics	Odeon Builders	Serum Instt.
Lohia Group	Pawittra CGHS	Wipro GE
Mirza Tanners	PNC Construction	Wockhardt
Pidilite	Rao CGHS	
Samsung India	Vikram Tower Maintenance Socety	
Super Cassettes (T-Series)	ZA CGHS	

<b><u>HOTELS</u></b>	<b><u>INFOTECH</u></b>	<b><u>INSTITUTIONS</u></b>
Claridges	Cadence Software	BARC
Grand Hotel	CMC Ltd.	BEL
Hyatt	Computer Sciences Corporation	BPCL
Le Meridian	Data Access	CEL
Raddisson	FCL Tech.	CII
Taj Group	GE Call Centres : Gurgaon & Bangalore	DMRC
	HCL	EIL
<b>MNCs</b>	Icon Data	EPIL
Coca Cola	IT&T	HPCL
Delphi	Motherson	Indian Airlines
Philips	RGA Software	IOCL
Rolls Royce	<b>MANUFACTURING</b>	NALCO
Shaw Wallace	Apollo	NHAI
Sony World	Cimmco Birla (XPRO)	NHPC
Tata McGraw Hill	Eastern Spinning	NTPC
UNFPA	Flex Industries	OIL
UNHCR	Hero Honda	ONGC
UNICEF	HMT	
	Jindal Polyester	
<b><u>MEDIA / ENT.</u></b>	JK Cement	<b><u>RETAIL OUTLETS</u></b>
Amar Ujala	Phoenix Lamps	Carpet Palace
Dainik Bhasker	Sheela Spinning	Cottage Ind. Exp.
Dainik Jagran	TELCO	Gautam Motors
Darpan Publications	Venky's India	Jagdish Store
Hindustan Times	YKK	Jainsons
NDTV	<b><u>PAPER MFG.</u></b>	Libas
Radio Mirchi	Anand Duplex	Oriflame
Rave Entertainment	Bhageshwari Papers	Pantaloon
RM Entertainment	Bindlas Duplex	PP Jewellers
Statesman	Devpriya Industries	SabMall
Suman Prakashan	Garg Duplex	Stic Travels
Times of India	Modinagar Paper Mills	Uttam Toyota
Zee TV	Mohit Paper	
	Nikita Papers	
	Parijat Paper	
	Rama Shyama Papers	
	Sangal Papers	
	Siddheshwari Papers	
	Super Paper Mills	

<b><u>RESTAURENTS</u></b>	<b><u>SCHOOLS / EDUCATIONAL INSTITUTIONS</u></b>	<b><u>STEEL</u></b>
Aadar Satkar	American School of Bombay	Aditya Sponge & Power
China Garden	Apeejay School	Banspani Iron
Essex Farms	Army Public School	India Minerals
Food Chain	City Montessori School	Jai Balaji Sponge
McDonalds	DAV Public School	Jindal Steel & Power
Nirulas	Delhi Public School	Kalinga Iron
	Doon School	Kamal Sponge & Steel
<b><u>TELECOM</u></b>	Indian Instt. of Technology, Guwahati	Maithan Coal
Aircell	Manav Sthali School	Mangalam Ispat
Airtel	Sherwood College	Monnet Ispat
Birla AT&T	Wynberg Allen School	MSP Sponge & Iron
BSNL		Nilachal Iron & Power
Essar		OCL India
MTNL		Orion Ispat
Tata Telservices		Orissa Min. Dev. Corpn. Ltd.
		Pawanjay Sponge & Iron
		Purvanchal Sponge
		Shrishti Ispat

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