

Purchase Order

Page(s) 1 Of 1

16-05-2016 12:13:15

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021655

From Company : **Nilgiri Estates**
5-4-187/3 & 4, IInd Floor, M.G.Road, Secunderabad - 500003
T I N No. :

Supplier Details

SHREE J & J ENGINEERS
Flat no:201, 2 nd floor, Sony apartments-III,Venkateswara colony,
Sainathpuram,ECIL,Secunderabad-500062.

040-40023001
9704018345

Doc No	36088	7254
Doc Date	13-05-2016	
Quote No	nil	
Quote Date	10-05-2016	
SupplyType	Supply And Installation	

Kind Attn : Mr. Biradar

Purchase Order for the Supply of following Items.

Item Name	Qty	Rate	Dis%	VAT%	Amount
1 5026 - Equipment - machinery - Generator - other - nos 20 KVA Without AMF Pannel	1.00	287137.00	0.00	0.00	287137.00
Total Order Value . . .					287137.00

Rupees : Two Lakh(s) Eighty Seven Thousand One Hundred Thirty Seven Only.

Terms and Conditions :-

Specification / Brand	Above item of "Greaves Cotton" make, G-20 - II , 25.2 BHP @1500 RPM @ NTP Conditions,Radiator cooled,,Alternator of "Crompton Greaves" make with Aucostic enclosure as perquote.
Payment Terms	15% advance 75% on material ready with proforma invoice & balance 10% on commissioning.
Tax	Against 'C' form 2% included in the above prices.
Delivery Date	Within 1-2 weeks from the date of PO with advance
Delivery Location	Nilgiri Homes Sy.No.128, Rampally, Keesara, Hyd. Off main road connecting Rampally X rd to Ghatkesar. Phone. Contact: Security 08415-260410,7675964333
Penalty For Delay	Nil
Transportation Cost	Included in the above price.
Warranty	24months from date of commissioning & 12 months panel board & battery.
Advance Paid	Rs.43,070/- vide Cheq.No. , dt.13/05/16 of HDFC Bank .
Other Terms	We reserve the right to reject items not conforming to quality and specifications. The above order for site use purpose.
Completion Date	within 5 days delivery of all materials at site
Measurment	Nil
Security	You shall be responsible for storing materials at site Lockable rooms will be provided by us.

Bill no: 5555/009
received from
27-6-16
to
27-6-18

For **Nilgiri Estates**

Authorised Signatory

Name : _____

Name : _____

Accepted the above Terms And Conditions

For **SHREE J & J ENGINEERS**

Date : ____/____/____

Requisition Form

Company Name: \ Nilgiri estates		Date: 13/05/2016	
Site & Phase : Nilgiri estates		Time: 17:36	
Supplier		Req. No: 7254	
Material required before date:		ID No. 29711	

No	Description	Size	Quantity	Units	Inward No	Date
1	20 KVA Generator		01	NO		
2	Without AMF Panal					
3						
4						
5						
6						
7						
8						
9						
10						

Remarks: Above order for site purpose.

Prepared By	G, Hari babu	Approved by	
Sign. & Date	13/05/2016	Sign. & Date	

Note: On receipt of material at site write inward number and date in last 2 columns.



SHREE J & J ENGINEERS

Diesel Generators, Gas Generators, Dual Fuel Generators, Transformers & Cables Sales.

Ref: SJJE/00032/16-17/HYD

Date: 06/05/2016

M/s.. Modi Properties & Investments Pvt. Ltd
5-4-187/ 3 & 4, M G Road, Secunderabad - 03
040 66335551

Kind Attention: Mr. G. Hari Babu
Asst. Manager Purchase, 95022 77533.

Dear Sir,

Sub: Your requirement of 20 KVA D.G.Set -reg.

We would like to introduce ourselves as a **Authorised Sales Dealer** of leading manufacturer of Engines and Diesel Generating Sets in India "Greaves Cotton Limited" with single window warranty along with a very vast & prestigious client base.

We also enjoy the track record of executing our entire project with high customer satisfaction level.

These diesel engines have the reputation of being the most rugged diesel engines in the country. These diesel engines are also indigenous in their manufacture and thus offer you spares at very economical prices and also backed up by a wide network of spares and service dealers spread across the country to offer you excellent services.

We generally represent our subsidiary company M/s. Crompton Greaves Limited for Alternator.
We are enclosing our detailed offer along with the terms and conditions as below:-

Scope of supply as per Annexure 1.
Pricing as per Annexure 2.
Installation as per Annexure 3.

We sincerely look forward to the pleasure of receiving your valued order on which will have our best & prompt attention at all times.

Thanking you

Yours faithfully
For Shree J & J Engineers.

Authorised Signatory
Ramesh

Encl: As mentioned above



SHREE J & J ENGINEERS

Diesel Generators, Gas Generators, Dual Fuel Generators, Transformers & Cables Sales.

Anx-1

Specifications & Scope of Supply for 20Kva GREAVES POWER Sound-Proof DG set powered by Greaves G-20-II engine.

ENGINE

Greaves make model G-20-II With Latest CPCB-II compliant, Direct Injection, 3 cylinders, Compression Ignited, Turbo Charged, Water-Cooled diesel engine developing 25.2BHP at 1500 rpm & complying with BS5514 / ISO 3046 standards.

Besides standard components, the engine will be complete with:

12 V electrical starting system consisting of Starter motor, Charging alternator & 1 no. 12 V 88 AH Battery.
Dry type Air cleaner with restriction indicator
In-line Bosch Fuel injection system with Mechanical Governor (Class A1 governing)
Spin-on Lube oil filter elements
Radiator, pusher fan & fan drive arrangement
Gear driven water pump
Sensors for Oil pressure, Coolant temperature & level.
First fill of Lube oil. (API CF4 grade, Greaves Maxtherm Lube.)

ALTERNATOR

Crompton Greaves /Suitable make 3 Phase, 4 Wire, Self excited, Self regulated Brushless Single Bearing Type, Class H insulated AC generator developing 20KVA / 16kW at 415 V, 0.8 PF (Lag) with IP23 protection.

ANX:1 CONTROL PANEL

Control panel is 16 / 14 gauge sheet steel fabricated, dust & Vermin proof & will be complete with internal wiring . The following Protection / Control / Display / Annunciation features are provided for the DG set.

- MCB of adequate rating
- Indicating lamps for DG ON & LOAD ON.
- Set of Current transformers
- Set of control fuses

Micro-processor based Integrated DG set Controller type *PROCOM DES-11* with built-in Remote Auto START / STOP facility mounted in the facia of the control panel with a large 2 Line LCD display panel with the following continuous scrolling features:



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Diesel Generators, Gas Generators, Dual Fuel Generators, Transformers & Cables Sales.

Display parameters	Audio-Visual warning	Shut-down with Audio-visual annunciation
Engine Oil pressure	Low Oil pressure	Low Oil Pressure
Coolant temperature	High Coolant temp.	High coolant temp.
Canopy temperature	High Canopy temp.	Low Fuel level
Fuel level Indication %	Low Battery Voltage	Engine Over speed
Battery Voltage	High Battery Voltage	Engine under speed
Battery cranking Voltage	Charging altr.failure	Low coolant level in radiator
Engine rpm	Low Fuel Level	Under voltage
DG set hours run		Over voltage
Gen.Volts (Phase-neutral & Phase-Phase)		Over frequency
Gen.Current (Amps.)		Under frequency
Gen.Frequency (Hz.)		
Power factor		
kWhr.		
Kw		

- The controller has data logging facility for the latest 50 faults recorded & option for RS232 / RS485 connectivity for remote monitoring / BMS integration

Sound-proof Acoustic Enclosure

The Engine, Alternator & Control Panel are housed in an acoustic enclosure which is both sound-proof & weather-proof and complying with the latest noise pollution norms of the Ministry of Environment & Forests & certified by the ARAI, Pune.

Engine & Alternator are mounted in the canopy through AVMs on fabricated under-base. Fuel tank is built-in with easy access for fuel fill and removal for cleaning & Fuel piping. Control panel is also housed inside the canopy with excellent visibility through a hardened glass inspection window.

Salient features of the Ready to Use DG set

The acoustic enclosure is manufactured with CNC / Laser machines with 1.6 mm CRCA steel with an aesthetically pleasing finish.

Rigorous pre-treatment of sheet metal parts with Nine-tank phosphating & Powder coated with pure polyester based compound.

Extremely Compact. Lowest foot print / Space envelope.

Ideal for out-door installation due to excellent corrosion & UV resistance properties.

Reg. Office: Plot.No.40, Flat.no.201, 2nd Floor, Sony Apartments-3, Venkateswara Colony, Sainatpuram, Ecil, Secundrabad-500062
Ph: 040-40023001; Cell No: 9573175944; E- Mail:sjje@shreejengineers.com; sjj_engineers@rediffmail.com
www.shreejengineers.com



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Diesel Generators, Gas Generators, Dual Fuel Generators, Transformers & Cables Sales.

Long lasting Green passivated fasteners. Cast aluminium hinges & Stainless steel locks for long durability & ease of operation.

Acoustic insulation with Fire-retardant acoustic foam to better the statutory norms of 75 dB (A) at 1 m distance under Free-Field conditions.

Fully completed Exhaust piping & heavy duty residential silencer fitment.

Fully completed fuel piping

Complete with incoming Cabling from Alternator to Control panel.

DG Set data-20kva

Compliance Standards – Engine	BS 5514 / ISO 3046
Compliance Standards- Alternator	IS 4722 / BS 5000
Compliance standards – DG set	ISO 8728 / Noise pollution norms of MOEF & certified by ARAI, Pune.
DG set Rating	Prime rating as per ISO 8728. 10% overload provision available for intermittent periods.
Integral Fuel Tank Capacity	100 Liters
DG set Dimensions (L x W x H)	2000 x 950 x 1375 mm*
DG set Dry Weight (Aprx,)	860 kg.

Greaves G series fuel consumption on 90% load 3.7Ltrs (+/-5% tolerance)

Note: Genset should have minimum 30% load .Under load performance is not guaranteed

*Silencer dimensions are not included.



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Diesel Generators, Gas Generators, Duel Fuel Generators, Transformers & Cables Sales.

Anx-2 Price and technical specifications

Srl No.	Description	Unit	Qty	Unit (Rs.)	Rate	Total (Rs.)
1	Supply of 20KVA/ 16KW Diesel Generating Set as per enclosed scope in Annexure I comprising of:	each	1	275625.00		275625.00
	Diesel Engine Greaves Cotton Model G-20-II, developing 25.2BHP @ 1500 RPM @ NTP conditions, Radiator cooled					
	Alternator Crompton Greaves/Suitable make 20 KVA , Brushless, 3 Phase , 415 Volt , 0.8 pf, 50 Hz Alternator with insulation & Temperature rise limited to Class H.					
	Acoustic Enclosure CPCB type approved Acoustic Enclosure, as per the approved design & Greaves Standards within built fuel tank					
	Accessories As per Annexure I					
2	Std Control Panel As per Annexure -1	each	1		0.00	0.00
Total Basic Price is inclusive of ED						275625.00
AP VAT (present VAT is 5%)				Rate %	5%	13781.25
Freight Charges						0.00
Grand Total						289406.25
Rounded Off						289406.50
Rs. Two Lakh EightyNine Thousand Four Hundred and Six Only						
Warranty: 30 months from the date of supply or 24 months from date of commissioning or first 5000 running hours whichever is earlier subject to terms mentioned in general terms and conditions. Warranty for Panel is 12 months and for Batteries is 12 months from date of commissioning.						
Payment Terms: 30% as advance along with the order and balance 70% against readiness of material prior to dispatch.						
Delivery: within 1-2 Weeks from the date of confirmed order with advance						
Billing: From Hyderabad						
Entry Tax: if applicable payable to be paid by customer						
Unloading & positioning at site: By you						
Validity: 30 days from date of offer.						
Against 'C' Form CST @ 2% can be billed from Vijayawada/Bidar; but CST way bill/Road permit is to be provided by you.						



SHREE J & J ENGINEERS

Diesel Generators, Gas Generators, Dual Fuel Generators, Transformers & Cables Sales.

Anx-3

CUSTOMER's SCOPE OF WORK: (Our Engineer will provide all guidelines)

Unloading and positioning DG Set/Panel. Making civil foundation for canopied DG Set, trenches for cables. All minor & major Civil Works Welding and finishing of extended exhaust if any with necessary cladding and Supports. Supply and laying of Power and Control Cables from DG Panel to your load/changeover/distribution Panels with glands, gland plates etc on DG Panel and Alternator as recommended, with supply and fixing of end Terminations for the above Power and control cables. Supply and erecting earth pits 4 Nos. as well as supplying and interconnecting the earth pits with copper / GI Strips – as required. Supply of Water, Diesel, Lubricating Oils, Coolants & Load etc for commissioning and Regular Maintenance Spares. Any statutory approvals.

GENERAL TERMS & CONDITIONS – SUPPLY OF DG SETS:

1. PRICES:

Excise Duty, Education Cess on ED: Unless specifically mentioned, the prices quoted are exclusive of Excise Duty & CESS. In case you provide Form CT3 / ED exemption certificates, the excise duty will be Nil. In case of any change in ED, effective ED will be charged accordingly.

Sales Tax: Local / Central Sales Tax/ VAT extra as applicable. All statutory forms/ way bills are to be furnished in advance, failing which the materials will not be dispatched.

Entry Tax: If any applicable, will be to your account and has to be paid by you directly to the Sales Tax authorities.

Freight & Transit Insurance: Unless specifically mentioned, the prices quoted are Ex-Works. Based on the discussions, the material will be dispatched on any one of: Freight to Pay/ Paid basis. Unless specifically mentioned, unloading will not be in our scope. Insurance does not cover unloading of DG Set at your site. In case of dispatches made on Transit Insurance included basis, any damage should be intimated in writing to our Hyderabad office within 7 days failing which we will not be able to take up the claim with the insurance company. Such damaged materials will be replaced after we receive the insurance claim. In case of materials where transit insurance is covered by you, all damages are to be claimed by you directly and we will supply the material against payment from you. Damages to materials due to faulty unloading will be rectified at an extra price. All freight/ courier charges to rectify the same will be to your account.

Note: Any changes in the above statutes including VAT etc at the time of delivery/ dispatch will be to your account.

2. VALIDITY:

Our offer is valid for 10 days from the date of offer and subject to extension based on our written confirmation thereafter.

3. WARRANTY:

The DG Set is covered under our warranty as from the date of commissioning or dispatch or the first declared running hours, whichever occurs the earliest. The warranty does not cover: rubber components, consumable spares & batteries. This warranty is also subject to maintenance of the DG set as per manufacturers' recommendations like periodic maintenance, use of genuine spares/ authorized service dealers and use of Greaves Maxtherm lubricating oils. All warranty claims will be at the sole discretion of the respective manufacturers of the components and their decision after analysis of the defect will be final. The warranty implies that they will analyze the defect if any and rectify/ replace the component in a reasonable time. We will not be responsible for any consequential losses or damages due to any delay on this account. All freight/ courier charges to rectify the same will be to your account.



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4. DELIVERY PERIOD:

The delivery period for supply will be on ex-works basis, subject to force majeure conditions. All prices quoted are for delivery on Ex Work's basis and not at site. We will also not be responsible for any delayed deliveries by transporters actions.

5. PAYMENT TERMS:

30% Advance and balance against proforma invoice against proof of dispatch or with LC

6. ACOUSTIC ENCLOSURE: (FOR DG SETS ONLY)

As it is mandatory for the Acoustic enclosure to be supplied along with the DG set, kindly note the following:

The canopy design & dimensions will be CPCB type approved. The design and drawings are the exclusive and sole property of ours and their authorized OEA's. The same may not be provided to any customer. We will only provide a copy of the type approval certificates in case you requires. Canopies are suited for outdoor application. For indoor applications, you have to ensure proper air intake & throw from the canopy by providing suitable arrangements at site. Temperature rise of up to 7 deg C above ambient is allowable inside the canopy. In case of stringent ambient conditions like higher temperatures & altitudes, suitable de rating factors are to be applied. Design & Dimensions cannot be altered to suit site conditions. Sound Pressure Level will be 75 dB (A) in free field conditions, not site conditions.

7. SCOPE OF SUPPLY:

The scope of supply will be strictly as per the technical offer submitted. Any item not mentioned in the scope and required subsequently by you will be supplied at a mutually agreeable extra price. Please insist & confirm exact scope of supply before placement of order.

8. We will have the option of raising our invoices from any of our factories/ branches.

9. ORDER ACCEPTANCE:

On receipt of your order, we will send you an order acceptance. Kindly acknowledge the same as a token of acceptance since we will be able to start processing your order only from the date of receipt of signed and sealed accepted copy of order acceptance.

10) Dispute: - In the unlikely event of any dispute, the same will be under the jurisdiction of the courts in Hyderabad only.