

Order No.- 11000813678090 Dt- 17/09/2018



Contract

Contract No:GEMC-511687720234360

Generated Date:17-Sep-2018

Organisation Details

Type: Central PSU
 Ministry: Ministry of Coal
 Department: Materials Management
 Organisation Name: Western Coalfields Ltd
 Office Zone: Western Coalfields Limited / Nagpur

Buyer Details

GEM Unique ID: GEM/2018/alokkumar@coalindia.in
 Name: Alok Kumar
 Designation: Asst Manager (MM)
 Contact No.: 9403310224
 Email ID: alokkumar@coalindia.in
 GSTIN: N
 Address: 1st Floor, MM Wing, WCL Hqrs, Coal Estate, Civil Lines, NAGPUR CITY, MAHARASHTRA-440001, India

Financial Approval Detail

IFD Occurrence : Yes
 Designation of Administrative Approval : GM MM
 Designation of Financial Approval : GM Finance

Seller Details

GEM Unique ID: GEM/2018/disha126
 Company Name: DISHA ELECTRONICS NEW DELHI
 Contact No.: 9811130852
 Email ID: dishaelectronics.india@gmail.com
 Address: E-BLOCK, VIKASPURI, West Delhi, DELHI-110018, -

Product Details

#	Item Description	Category Name	Model	Ordered Quantity	Unit	Price (Inclusive of all Duties and Taxes in INR)
1	KOHLER 100 KVA DG SET	diesel generators- DG Sets	KOHLER-KDG0100P1	1	NOS	709,999
Total Order Value (in INR)						709,999

Consignee Detail

S.No	Consignee	Item	Quantity	Expected Delivery Date
1	Anand Kumar Pandey 8989117973 akpandey989@westerncoal.gov.in Regional Stores, WCL Pench Area P.O CHANDAMETA Distt. Chhindwara, M.P 480447, CHHINDWARA, MADHYA PRADESH-480447, India	KOHLER 100 KVA DG SET	1	17-Oct-2018

Product Specification for KOHLER 100 KVA DG SET

Specification	Sub-Spec	Value
OUTPUT CAPACITY RATING/ PHASE	Nominal Rated Capacity (KVA)	100
	No of Phase	Three Phase
	Make of Engine	MAHINDRA
	Model Number of Engine	4.12 TCA
	Capacity of Engine (cc)	4780
	Engine Power (kWm)	94
	ISI Marking to IS :10001 for engine	true
	Type of Engine cooling	Liquid Cooled

ENGINE	Type of governer	Mechanical
	Class of governer	A2
	Number of cylinders (nos)	4
	No of Strokes (nos)	4
	Rated RPM of Engine (RPM)	1500
	Overload capacity for one hour for every 11 hours continuous running at full load (%)	10
	Specific Fuel Consumption (gm/kWh)	215
	Starting voltage (volt)	12
ALTERNATOR	AC GENERATOR(ALTERNATOR) Make	MECC ALTE
	AC GENERATOR(ALTERNATOR) model Number	ECP-34-2S/4
	Rating of AC Generator (KVA)	100
	Power Factor of AC generator	0.8
	Efficiency at rated Power factor at 75% of full Load	89.6
	Compliance of Alternator to IS:13364(part-1)	Yes
	Type of alternator	Brushless
	Voltage Regulation Grade	VG 1
	Alternator IP Rating	IP 23
	Class of Insulation	H
CONTROL PANEL	Control Panel	AMF
	IP Rating of Control Panel	IP 53
ACOUSTIC ENCLOSURE	Sheet Thickness	1.6
	Thickness of Foam	45
	Density of Foam for sound insulation	35
	Noise level at 1 meter (dB)	75
BATTERY	Battery Type & Specification	Normal lead acid to IS: 7372 for motor vehicles
	Battery capacity (Ah)	105
	No of batteries	1
TEST REPORTS	Availability of Type test report for Engine from Central govt/NABL/ILAC accredited laboratory	Yes
	Test Report number and date(Engine)	ARAI/DGTA/NVH/894-KDG0100P1/2015/430-E1 19/06/2017
	Name and address of laboratory(Engine)	ARAI, PUNE
	Availability of Type test report for Alternator from Central government/NABL/ILAC accredited laboratory	Yes
	Test Report number and date(Alternator)	ARAI/DGTA/NVH/894-KDG0100P1/2015/430-E1 19/06/2017
	Name and address of laboratory(Alternator)	ARAI, PUNE
	DG set meet requirements of Environmental(Protection) Rules 1986, in respect of noise and emission norms, as described in STC	Yes
WARRANTY / INSTALLATION & COMMISSIONING	Warranty	2
	Installation & Commissioning	With Installation
	Agreed to STC of the Product	Yes

Terms and Conditions

1. Special terms and conditions

1.1 In addition to General Terms and Conditions of the GeM following Special T&C shall be applicable for Diesel Generating Set / DG Set

1.1.1 Inclusive in the Scope of installation and Commissioning

1.1.1.1 Civil Work as per Clause B. 1 & Earthing station as per Clause B. 3.

1.1.1.2 Electrical Cable as per Clause B. 2.

1.1.1.3 Change-over Switch / MCCB as per Clause B. 4.

1.1.1.4 Consumables as per Clause B. 5.

1.1.1.5 Trial run as per Clause B. 6.

1.1.1.6 Fuel tank, battery charging, and battery connection as per Clause B. 7.

1.1.1.7 Unloading of DG Set as per Clause B. 8.

1.2 Not - inclusive in the Scope of installation and Commissioning

1.2.1 Exhaust piping, extra civil work, distribution board as per Clause B. 9 (i).

1.2.2 Necessary approvals as per Clause B. 9 (ii)

1.3 Details of General Technical Requirements and scope of installation and Commissioning

1.3.1 General Technical Requirements

1.3.1.1 DG Set shall be complete with Diesel Engine, Alternator and AMF/MANUAL Control Panel fitted in / along with Acoustic Enclosure. Diesel engine and alternator shall be closely coupled or provided with flexible coupling and mounted on a base plate of robust in construction.

1.3.1.2 DG Set should have protection against under voltage, over voltage, under frequency, over frequency, low battery voltage, over current, earth fault, short circuit, phase sequence change etc.

1.3.1.3 Control Panel (Manual / AMF), where applicable, shall be equipped with suitable Voltmeter, Ammeter, Frequency meter, power factor meter (these items can be alternatively supplied in one multifunctional digital display meter), battery charger where battery is used, indicators, various switches and cutout / MCB / MCCB / Contactor / Circuit breaker of all appropriate rating and accuracy class as per trade practice for better utility.

1.3.1.4 Automatic Mains Failure (AMF) control panel, where applicable, shall be able to start up the DG set and transfer the load on to the DG set on mains failure without requiring any human intervention. Similarly on restoration of mains supply, it shall be able to transfer the load to mains supply and switch off the DG set automatically.

1.3.1.5 Acoustic Enclosure, where applicable, shall be made of Pre-treated and Powder coated CRCA Sheet

1.3.1.6 Standard set of tools consisting of a set of 3 spanners, one screw driver, one standard plier and one nose plier of appropriate size shall be provided to the consignees along with DG sets.

1.3.1.7 Anti-Vibration mountings for complete DG set in case of flexible coupling and for turbo charged engine and alternator in case of direct coupling shall be supplied.

1.3.1.8 Diesel engines of rating upto and including 19 KW shall be ISI MARKED as per IS:10001 latest.

1.3.1.9 DG sets shall meet the requirements of Environmental (Protection) Rules 1986 as laid down by Min. of Environment & Forests read with GSR 371 (E) dated 17.5.2002, GSR 520(E) dated 1.7.2003, No.448 (E) dated 12.07.2004, GSR 771(E) dated 11.12.2013 GSR 232(E) dated 31.03.2014, Gazette Notification No.167 dated. 31.03.2014 and Gazette Notification No. 578 dated. 11.11.2014. in respect of noise and emission norms. The latest amendments to above GSRs shall be applicable as and when amended by Ministry of Environment and Forest

1.3.2 The Scope of installation and Commissioning for Diesel Generating Set / DG Set when opted by the buyer shall be as under

1.3.2.1 Foundation shall be of PCC type with the ratio of 4:2:1. The length and breadth of the foundation shall be 300 mm more from the respective length and breadth of the DG set. The height of the foundation shall be 400 mm i.e. 200 mm below and 200 mm above the ground level. The foundation work shall be done by the seller.

1.3.2.2 ISI marked PVC outer Sheathed (FR) of Type ST-2 cable (FR Grade C1 Category) armoured with aluminium conductor having insulation of PVC compound type -C, suitable for rated voltage at 1100 volts grade and conforming to IS: 1554 (Part-1) latest, cable and its necessary laying and termination shall be done by seller. For 3-phase DG sets, 3.5 core or higher core cables shall be used. Total length of the cable shall be within 30 meters for DG sets with manual control panel and within 60 metres for DG sets with AMF control panel. The current rating of the cables shall be as indicated below :

2C, 6 Sq mm for Single Phase, 3.5 & 5.0 KVA

2C, 10 Sq mm for Single Phase, 7.5 & 10 KVA

2C, 25 Sq mm for Single Phase, 15 KVA

2C, 35 Sq mm for Single Phase, 20 KVA

2C, 70 Sq mm for Single Phase, 25 KVA
2C, 95Sq mm for Single Phase, 30 KVA
2C, 120 Sq mm for Single Phase, 40 KVA
4C, 4 Sq mm for Three Phase, 10 KVA
4C, 6 Sq mm for Three Phase, 15 KVA
4C, 10 Sq mm for Three Phase, 20 & 25 KVA
4C, 16 Sq mm for Three Phase, 30 KVA
3.5C, 25 Sq mm for Three Phase, 40 KVA
3.5C, 35 Sq mm for Three Phase, 50 KVA
3.5C, 70 Sq mm for Three Phase, 62.5 & 75 KVA
3.5C, 95 Sq mm for Three Phase, 82.5 KVA
3.5C, 120 Sq mm for Three Phase, 100 KVA
3.5C, 185 Sq mm for Three Phase, 125 KVA
3.5C, 300 Sq mm for Three Phase, 160 KVA
3.5C, 2 Run of 120 Sq mm for Three Phase, 180 KVA
3.5C, 2 Run of 150 Sq mm for Three Phase, 200 KVA
3.5C, 2 Run of 185 Sq mm for Three Phase, 225 KVA
3.5C, 2 Run of 240 Sq mm for Three Phase, 250 & 275 KVA
3.5C, 3 Run of 185 Sq mm for Three Phase, 320 KVA

3.5C, 3 Run of 240 Sq mm for Three Phase, 380 & 400 KVA
3.5C, 4 Run of 240 Sq mm for Three Phase, 500, 600 & 750 KVA

1.3.2.3 Building suitable earthing station and necessary connections shall be done by seller. In case of 3 phase DG sets, the total number of earthing pits/stations shall be 4 i.e. 2 for neutral and 2 for body-earthing. In case of single phase DG sets, the total number of earthing station shall be 2 and it shall be used for body-earthing. The consignee should choose installation site in such a way that the earthing stations can be made within 20 metres of the DG set. Earthing station shall be typically built as per prevalent standard practices.

1.3.2.4 Supply and installation of a change-over Switch / MCCB of suitable rating for DG set with manual control panel, where applicable.

1.3.2.5 First fill of lube oil and all filters shall be provided by the seller. The seller shall also provide 20 litres of Diesel for DG sets of rating upto 15 KVA, 40 litres for rating upto 40 KVA & 50 litres of Diesel for DG sets of rating upto 125 KVA, 100 litres for rating upto 250 KVA and 200 litres for ratings more than 250 KVA.

1.3.2.6 The seller shall provide consumables for the trial run (Testing) of DG set. The seller shall conduct trial run of the DG set with the available electrical load at site. The trial run shall be for ONE hour. The available electrical load shall be less than or equal to the rated capacity of the DG set.

1.3.2.7 Installation of Fuel tank, battery charging, and battery connection are inclusive in the scope of supply

1.3.2.8 Unloading and placement of DG set at the time of delivery is inclusive in the scope of supply. The consignee shall ensure that the site is located along a motorable road

1.3.2.9 Following are the responsibilities of Consignee / User

1.3.2.9.1 Exhaust piping, extra civil work, distribution board shall be provided by consignee/user.

1.3.2.9.2 Necessary approvals, if any, shall be obtained by the consignees.

2. General terms and conditions

2.1 This Contract between the Seller and the Buyer, is for the supply of the Goods and/ or Services, detailed in the schedule above, in accordance with the General Terms and Conditions (GTC) as available on the GeM portal (unless otherwise superseded by Goods / Services specific Special Terms and Conditions (STC) and/ or BID/Reverse Auction Additional Terms and Conditions (ATC), as applicable

2.2 **Terms of delivery:** Free Delivery at Site including loading/unloading. In respect of items requiring installation and / or commissioning and other services in the scope of supply (as indicated in respective product category specification / STC / ATC), and the cost of the same is also included in the Contract price.

2.3 **Delivery period:** The Delivery Period/Time shall be essence of the Contract and delivery must be completed not later than such date(s). Any modification thereto shall be mutually agreed and incorporated in the Contract as per the provisions of the GTC.

2.4 **Performance Security:** If the Seller fails or neglects to observe or perform any of his obligations under the contract it shall be lawful for the Buyer to forfeit either in whole or in part, the Performance Security furnished by the Seller.

2.5 **Taxes and Duties:** Contract Prices are all inclusive i.e. including all taxes, duties, local levies / transportation / loading-unloading charges etc. Break up of GST shall be indicated by the Seller while raising invoice / bill on GeM. While submitting the bill / invoice Seller shall undertake that the Goods and Services Tax (GST) charged on this bill is not more than what is payable under the provision on the relevant Act or the Rules made there under and that the Goods on which GST has been charged have not been exempted under the GST Act or the Rules made there under and the charges on account of GST on these goods are correct under the provision of that Act or the rules made there under.

2.6 **Octroi Duty and / or other local taxes:** Contract Prices are all inclusive hence no reimbursement over and above the contract price(s) shall be allowed to seller towards payment of local taxes (such as levy of town duty, Octroi Duty, Terminal Tax and other levies of local bodies etc).

2.7 **Limitation of Liability:** The provisions of limitation of liability between Buyer and Seller as given in the GTC shall be applicable here.

2.8 **Resolution of disputes:** The provisions of DISPUTE RESOLUTION BETWEEN BUYER AND SELLER as given in the GTC shall be applicable here.

2.9 **Liquidated Damages:** If the Seller fails to deliver any or all of the Goods/Services within the original/re-fixed delivery period(s) specified in the contract, the Buyer will be entitled to deduct/recover the Liquidated Damages for the delay, unless covered under Force Majeure conditions aforesaid, @ 0.5% per week or part of the week of delayed period as pre-estimated damages not exceeding 10% of the contract value without any controversy/dispute of any sort whatsoever. In case, Service Level Agreement (SLA) is applicable the same shall be applicable for the Contract.

2.10 Financial Certificate:

2.10.1 The expenditure involved for this purpose has received the Sanction of the competent financial authority.

2.10.2 The funds are available under the proper head in the sanction budget allotment for the concern financial year.

2.10.3 I have been fully authorized by the department to sign the supply order or incur the liability of the Goods being ordered.

3. Additional Terms and conditions

3.1 **Scope of supply (Bid price to include all cost components) :** Supply Installation Testing Commissioning of Goods and Training of operators and providing Statutory Clearances required (if any)

3.2 **Procurement under this bid is reserved for purchase from :** Local Supplier as defined in Public Procurement (Preference to Make in India), Order 2017 and its subsequent Orders / Notifications issued by concerned Nodal Ministry for specific Goods/ Products.

Note: This is system generated file. No signature is required. Print out of this document is not valid for payment/ transaction purpose.