

**OFFICE OF JOINT DIRECTOR, NAGPUR REGION**

Joint Director of Industries, Govt. Of Maharashtra,

2<sup>nd</sup> Floor, Udyog Bhavan, Civil

Lines, Nagpur-4040001

Tel: 0712-2560335 E-mail: dironagpur@maharashtra.gov.in

Special Purpose Vehicle

**ORANGE CITY GARMENT CLUSTER PVT LTD.**

22/4/B, Mouja-Masala, Tehsil Kamptee, District Nagpur

Tel: 91-9422802832.

E-mail: ocg10@gmail.com

**TENDER DOCUMENT  
FOR  
PROCUREMENT OF ONLINE UPS & DIESEL  
GENERATOR  
FOR COMPUTERIZED EMBROIDERY MACHINES  
FOR  
COMMON FACILITY CENTRE  
AT  
NAGPUR**

<b>Tender No. :</b>	<b>JDIN/MSECDP/2012-13/OCGC/4</b>
Issue/Sale Of Tender Document :	09/11/2012 to 30/11/12
Pre-Bid Meeting Date & Time	3/12/12 AT 12.30 PM
Last Date & Time Of Submission Of Tender	06/12/12 upto 5.00 PM
Date & Time For Opening Of The Tender	07/12/12 at 3.00 PM
Price Of Tender	Rs.3,000.00

## CONTENTS

<b>Sr. No.</b>	<b>Subject</b>	<b>Page No.</b>
<b>I)</b>	Introduction	<b>3</b>
<b>II)</b>	Details of Tender and Tender Notice	<b>4</b>
<b>III (A)</b>	Terms and conditions –General	<b>5 to 9</b>
<b>III (B)</b>	Terms and Conditions- Special	<b>10 to 12</b>
<b>IV</b>	Annexure I: List of machines along with the specifications required	<b>13 to 20</b>
	Annexure II: Format for filling up of cost details	<b>21</b>
	Annexure III: Delivery Schedule for machines	<b>22</b>
	Annexure IV: Format to be filled up and submitted on the letter head of the bidder	<b>23 to 24</b>
	Annexure V: Undertaking for supply of goods	<b>25</b>
<b>V)</b>	Checklist to the Bidders	<b>26</b>

## I INTRODUCTION

Nagpur is a growth centre located in central India and second capital of Maharashtra. The Readymade garment Cluster located at Nagpur in Vidarbha Region is having its own importance, consisting mainly of small & micro enterprises (SME). At present there are more than 500 SME garment manufacturing units in Nagpur. This cluster mainly manufactures items viz: Ladies salwar suits, shirts, pants, ladies tops, kurta-pyjama, sherwanis, blazers, industrial/school uniforms, etc., made from polyester blended cotton as well as pure cotton.

Orange City Garment Cluster Pvt. Ltd, Nagpur comprising small & micro units of garment manufacturers is a Special Purpose Vehicle [SPV] which has been for setting up, operating and maintenance of a common facility center [CFC]. The CFC comprises (i) Skill Training facilities (ii) Computer aided designing and embroidery facilities and (iii) washing and finishing facilities for products and to provide skill-upgrading and value addition in the Nagpur garment cluster. Accordingly a purchase committee constituted for procurement of machinery and equipment chaired by Joint Director of Industries, Nagpur Region has been constituted. Online UPS & DG For Computerized Embroidery Machinery is procured through this current tender.

The tender document contains the following:

- Tender Notice
- Terms and Conditions - General and Special
- Technical Specification of the items
- List of machinery, equipment, accessory being procured
- Format for filling up the cost of items
- Delivery schedule for each of the items.
- Format of Undertaking for supply of goods
- Guidelines for the bidders.

## II DETAILS OF TENDER AND TENDER NOTICE

Tender in sealed cover is invited by Chairman of the Purchase Committee, from manufacturers, authorized agents and suppliers for the supply of machinery, accessories for the use of the common facility centre. Details of the machinery, equipments, accessory, number of units, their specifications, are given in Annexure I of this tender document. Interpretation of the terms & conditions and other related issues in the tender would lie with Chairman of the Purchase Committee only. Tender document can be obtained from the office of the Joint Director of Industries, 2<sup>nd</sup> floor, Udyog Bhavan, Civil lines, Nagpur – 440001 by paying Rs. 3,000/- ( Rs three thousand only).The payment is required to be made by Demand Draft ( payable at Nagpur) drawn in favor of Orange City Garment Cluster Pvt. Ltd. only. The tender document can also be downloaded from the website: [www. maharashtra.gov.in](http://www.maharashtra.gov.in). The cost of the tender document Rs 3,000 /- (Rupees three thousand only ), however in this case will have to paid at the time of submission of the tender by Demand Draft ( payable at Nagpur ) drawn in of M/s Orange City Garment Cluster Pvt. Ltd.

- Tender documents are available: From 09/11/12 to 30/11/12 upto 5.00 P M.
- Pre-Bid meeting will be held on 03/12/12 at 12.30 PM in the office of the Joint Director of Industries, 2<sup>nd</sup> floor, Udyog Bhavan, Civil lines, Nagpur.
- LAST DATE FOR SUBMISSION OF DULY FILLED UP SEALED TENDER at Joint Director of Industries, 2<sup>nd</sup> floor, Udyog Bhavan, Civil lines, Nagpur is 06/12/12 upto 5.00 P M.
- Opening of the technical bids will be held on 07/12/12, at 3.00 P M. in the office of the Joint Director of Industries, 2nd floor, Udyog Bhavan, Civil lines, Nagpur-440001. Tel.: 0712 2560335 Fax-0712-2564212

Chairman, Purchase Committee reserves the right to accept or reject any or all the bids either in full or any part without assigning any reason thereof.

### **III (A) TERMS AND CONDITIONS – GENERAL**

1. Tender documents shall be issued by the office of the Joint Director of Industries, 2<sup>nd</sup> floor, Udyog Bhavan, Civil lines, Nagpur to manufacturers / authorized agents/suppliers. Chairman of the Purchase Committee, Nagpur will be the tender issuing authority.
2. Modifications, if any, made in the above documents will be done by addenda / corrigenda, copies of which will be sent in duplicate to each bidder before the due date of the tender. One copy should be signed, sealed and submitted along with the technical bids. Tender to be submitted, is as detailed hereafter. The bidder shall not make any additions / deletions to or amend the text of the documents except in so far as may be necessary to comply with any addenda / corrigenda issued. The bidders shall use only tender documents as issued for submitting their bid and shall comply with various terms and conditions.
3. All pages of tender document shall be signed by the person authorized to file the tender.
4. The full name of the person authorized to file the tender, designation, current and main office address, Phone No., Fax No. & E-mail address shall be indicated in the tender.
5. Tenders sent through E-mail, Fax and Telex will not be entertained.
6. The tender should be filled in and submitted in English. All accompanying literature and correspondence shall also be in English.
7. No claim for costs, charges, expenses incurred by the bidder in connection with preparation of tender submission and for subsequent clarifications of their tender shall be accepted.
8. Purchase Committee will not be responsible for any typographical errors/ambiguity/additions /omissions committed by the bidder while filling up of the tender.
9. Submission of a bid by a tenderer implies that he has read all terms & conditions, and has made himself aware of the scope and specifications of the items to be supplied, availability of materials, local conditions and other factors bearing on the execution of the supply.
10. The bidder shall be deemed to have full knowledge of documents and no extra charges consequent on any misunderstanding or otherwise shall be allowed.

11. Any query regarding the tender document and discrepancies shall be directed to the Tender Issuing Authority in writing minimum 3 days prior to the due date of submission of tender. The Tender Issuing Authority will issue all clarifications, interpretations, meanings and specific directions, if any, in duplicate in writing to all the bidders. One copy of these shall be returned duly signed and seal affixed along with the bids.
12. The bidder shall be deemed to have satisfied himself before tendering as to the correctness and sufficiency of his tender and about the rates quoted by him and cover all his obligations under the tender.
13. Bids submitted by manufacturers, authorized agents and suppliers only shall be considered.

**14. Earnest Money Deposit:**

Tender must be accompanied by Earnest Money Deposit (EMD) as indicated in Annexure-I for each item being supplied in the form of DD/pay order in favour of Orange City Garment Cluster Pvt. Ltd. payable at Nagpur. EMD shall be paid in Indian currency only. The EMD deposit by the successful bidders shall be held back towards the security deposit and will be refunded after successful installation, trial and training. The EMD of the unsuccessful bidder will be returned within 60 days from the date of opening of the technical bids.

**15. Performance Security:**

The successful bidder shall have to deposit an amount of 5% of the total value of the contract including the retained EMD amount towards interest free security deposit in the form of Demand Draft or Bank guarantee. This Demand draft or bank guarantee shall be submitted along with the acceptance of the purchase order. The security deposit will be released without any interest only after satisfactory installation and testing of the machinery/equipment in full functioning condition.

**16. Authority of Signing:**

If the tender is submitted by an individual, it shall be signed by him. If the tender is submitted by a proprietary firm, it shall be signed by the proprietor. If the tender is submitted by a partnership firm, it shall be signed by all the partners of the firm or by a partner holding the power of attorney for the firm for signing the tender, in which case, a certified copy of power of attorney shall accompany the technical bid. If the tender is submitted by a limited company or a corporation, it shall be signed by a duly authorized person or the person holding the power of attorney for signing the tender, in which case a certified copy of the power of attorney shall accompany the technical bid.

**17. Price /Commercial Bid:**

The tender shall be filled in English with a neat hand written/ type written and all the figures and words shall be legible. All costs should be quoted in **Indian rupees only [INR]**. The rates shall be written both in words and in figures. The bidder shall also

show the amount of each item, the total of each section and the grand total of the whole tender. Correction, if any, shall be made by crossing out, initialing with date and rewriting. In case of conflict between the figures and words in the rates, the latter shall prevail. The tenders shall be verified by the bidder for accuracy in the arithmetical calculations, prior to submission.

**18.1 Technical details shall contain :**

- a) Original Tender document duly signed by the authorized person on all pages.
- b) Compliance to technical specifications of the equipment/item for which bids are submitted as given in annexure I
- c) Authorized person to indicate the compliance of technical specifications in the respective pages of the tender document and sign the same.
- d) Compliance to the terms and conditions of the tender document - Authorized person to specify, “all the above terms and conditions will be complied with” and signed in respective pages of the tender documents, where “terms and conditions” are given.
- e) Adherence to the stipulated delivery schedule of the equipment/item – Authorised person to specify “delivery schedule given above will be complied with” and signed in respective pages of the tender documents, where “delivery schedule of each of the items” is as given in Annexure III.
- f) Proof that the bidder is (i) either manufacturer or (ii) an authorised agent or (iii) supplier for the equipment/item for which the bid is submitted.
- g) List of organizations in India and abroad, along with Contact Person, address, Tel. No., Fax No. etc., to which similar make/model of the equipment were supplied.
- h) Compliance that the bidder has manufactured or supplied similar machinery/equipment during the past 3 years and performance report from at least 2 such users for the past 3 years.
- i) Covering letter, in the letter head of the bidder stating:
  - a. That the minimum warranty period of **three** years.
  - b. That the bid conforms to the terms and conditions of the tender
  - c. Confirmation that the quoted rates are valid till validity of the tender.
  - d. The details regarding the service centres, stocking of spares etc.,
- j) Addenda / corrigenda /clarification issued by Chairman Purchase Committee before due date of tender, duly signed by the authorised person.
- k) Descriptive leaflet/brochure giving the technical details of the machine/equipment/ instruments/ accessories.

- l) A letter indicating assumptions, criterion, technical alternative etc., if any. However, the alternatives suggested by the bidder would not be taken as the basis for technical/commercial evaluation of the bids.
- m) The probable life expectancy of the machines as specified in the tender under normal conditions of operation should be minimum 15 years.
- n) All the details of pre-installation requirements including space, power supply, environmental conditions , special structures if any .
- o) Power of attorney authorizing the person who has filed the tender, if applicable.

**18.2 Commercial details shall contain**

- a) Total cost of the main equipment and accessories (imported/indigenous), required for the functioning of the equipment, including the test control system, printer, packing & forwarding etc., duly filled and signed in the format prescribed in the tender document at Annexure - II.
- b) Price shall be quoted on the basis of **Free On Road (FOR)** destination at Orange City Garment Cluster Pvt Ltd, 22/4/B, Mouja-Masala, Tehsil Kamptee, District Nagpur-440026 including taxes, duties, freight, insurance, packing and forwarding, erection and commissioning charges. Price should be firm and free from all escalations. No money other than the total quoted above will be payable on any account.
- c) The pre installation requirement should be mentioned in the bid.

**19. Validity of the tender:**

Rates quoted by the bidder shall be valid till 180 days from the opening of the tender document. The Bidder shall not withdraw or revise or alter any conditions, rate(s) quoted within this stated period.

**20. Opening of tender :**

The tender shall be opened by the Purchase Committee constituted by the Competent authority, at the office of the Joint Director Of Industries, 2<sup>nd</sup> floor, Udyog Bhavan, Civil lines, Nagpur, at the time, date and venue as given in the "Tender Notice". Bid will be opened before the representative who remain present at that time

**21. Agreement :**

The successful bidder shall sign an Undertaking on Judicial paper worth Rs 100.00 in the format prescribed in Annexure V before releasing of the Purchase order by the office of the Joint Director of Industries, 2<sup>nd</sup> floor, UdyogBhavan, Civil lines, Nagpur. A copy of the Purchase order once



received should be returned as a token of acceptance of the terms and conditions of the Purchase Order. The EMD amount will be retained as security deposit and same will be refunded after successful installation, trial and training.

**22. Criterion for rejection :**

- (a) The Purchase Committee reserves the right to accept or reject any tender or reject all tenders without giving any reasons whatsoever for their decision
- (b) Tenders are liable to be rejected in which any of the prescribed particulars / information is either missing or incomplete in any respect and/or if the prescribed conditions are not fulfilled.
- (c) Tenders which are found to be technically non-responsive shall be rejected and their commercial details shall not be considered.
- (d) Canvassing in connection with tender is strictly prohibited and tender submitted by bidder will not be considered
- (e) Tenders containing specific conditions of the bidder other than the terms and conditions given in the tender document and not acceptable to the Purchase Committee are liable to be rejected.
- (f) If the validity of the tender is not upto 180 days from the opening of the tender; the tender will be rejected.
- (g) If the tender document duly signed by the authorized person on all pages is not submitted, the tender will be rejected.
- (h) The bidder should quote for all the machinery/equipment specified in annexure II otherwise the tender will be rejected.
- (i) The Special Purpose Vehicle will be catering to wide range of customers / stakeholders including the manufacturers/exporters. Hence, preference will be given to more popular brands of machines, which are widely accepted internationally. The bidder should ensure that the machine manufacturer should have minimum 15 years of experience in manufacturing of items quoted in the tender.

Before submission of the tender, the prospective bidders are expected to examine technical specifications of the equipments required, terms and conditions, etc., given in this tender document. Failure to furnish all information required in the tender document may result in the rejection of the bid. The Purchase Committee reserves the right to cancel items, from the list of requirement of equipments without assigning any reason thereof.

### III (B) TERMS AND CONDITIONS- SPECIAL

1. Cost details are to be filled up in the prescribed format as given at Annexure – II for all the Machinery/ equipment as applicable to indicating therein total FOR charges.
2. All accessories, start up kit required for installation & commissioning the main equipment's are to be specified and quoted
3. The terms of payment of machinery/equipment shall be:
  - a) 90% of the payment will be released against delivery and installation of the machinery/equipment at site.
  - b) balance 10% of the payment will be released after successful commissioning of the equipment/ machinery and imparting training to the technical personnel of the CFC.
4. The bidder should take responsibility for delivering the equipments inside the premises of Orange City Garment Cluster Pvt ltd at 22/4/B, Mouja-Masada, Tehsil karnate, Nagpur, Maharashtra as mentioned in the Purchase Order.
5. The suppliers of the machinery/equipment should provide adequate training **free of cost** for at least 2 technical personnel of the CFC per equipment including trouble shooting etc., and making them confident of operating the equipment independently.
6. The bidder shall adhere to the delivery period of the equipment/item as committed by him as indicated in Annexure III of the tender document, whichever is earlier. Penalty for non-execution of the order within the delivery period shall be 1% of the cost of the equipment/item for every week of delay.
7. The delivery installation & commissioning period of the equipment / machinery as agreed to should not be extended; under normal conditions. Suitable penalty for non-execution of the order may be enforced to the extent of 1% of the cost of machinery for every week extended. In case of the delay beyond scheduled period due to some unforeseen reason, written permission is required from the Chairman, Purchase Committee with proper justification to avoid penalty.
8. The bidder shall give warranty for at least three years in respect of items quoted.
9. During the warranty period, regular servicing/maintenance should be undertaken free of charge, including replacement of defective parts/travel cost, etc. Subsequently, servicing/maintenance should be undertaken every 3 months by the authorized agency of the manufacturer / supplier.
10. Operation manuals, calibration procedures and other instruction manuals should be provided along with each of the equipment.

11. The bidder shall also mention the probable life expectancy of the machine / instrument / accessory under normal conditions of operation wherever applicable
12. Terms for service contract (comprehensive or non-comprehensive) after the expiry of warranty period are to be included.
13. The Test Control Systems like computer and printer, compatible to the main instrument, are to be supplied indigenously with latest configuration and licensed operating system.
14. In case of short supply or wrong supply of machinery/equipment/instrument, its parts or accessories or supply of items in damaged conditions, it is the responsibility of the bidder to arrange for the supply of the required items in working condition as per the purchase order, within a reasonable time. Any additional expenditure, whatsoever, for the above will be borne by the bidder only.
15. The specifications given in this document are the minimum requirement. The bidders are free to offer equipment/instruments with better features also. However, the evaluation shall be based on the features mentioned in the tender document. If different models are quoted, the cost details may be given in separate sheet
16. Orders for the supply of items, once placed with successful bidder is non transferable and no sub-contracting is permitted. The Purchase Committee reserves the right to cancel the order in such an event.
17. Any non-fulfillment of the stipulation given above will make the bid invalid.
18. The full payment will be released to the bidders only after completion of satisfactory performance check of the instrument/equipment.
19. All drawings and necessary approval for the installation of DG set from MSEDCL/SPANCO should be procured by the bidder.
20. The bids shall first be evaluated on the “technical parameters” which shall inter-alia include,
  - (i) Proof that the bidder is (i) either manufacturer or (ii) an authorized agent or (iii) supplier for the equipment/item for which the bid is submitted,
  - (ii) Compliance to technical specifications of the machinery/equipment, for which the bid is submitted,
  - (iii) Adherence to the warranty period,
  - (iv) Necessary documentary proof that the bidder has manufactured or supplied similar machinery/equipment during the past 3 years along with the list of

- such customers and performance report of the machinery/equipment from at least 2 such customers/users for the past 3 years,
- (v) Details regarding the service centers, stocking of spares etc.
  - (vi) Compliance to all other relevant and critical terms and conditions of the tender.
  - (vii) Validity of the tender upto 180 days from the date of opening of the tender.
  - (viii) If any of the above mentioned parameters are not fulfilled, the bid will be considered as technically disqualified.
21. The commercial details of those bidders who are technically qualified only shall be evaluated based on the following criterion:
- (i) Total price of the equipment as free on road ( F O R) destination.

**22. Settlement of dispute:**

All the disputes and differences of any kind what so ever arising out of or in connection with the contract, whether during the progress of the work or after the completion shall be referred by the bidder to the competent authority of Directorate of Industries, Govt. of Maharashtra.

23. For settlements of any dispute arising out of the contract only court in Nagpur shall have jurisdiction.

## DETAILS OF ANNEXURE

### Annexure I

List of Machines to be procured & EMD Value

ITEM No: 4 Supply, inspection, testing, packing, transportation, unloading, delivery, installation irrection commissioning of Online UPS & DG For Computerized Embroidery Machinery.

Item No	Name of equipment	Place of installation	Total EMD to be paid (Amount in INR)
4.1	Online UPS 10 KVA	22/4/B, Mouja-Masala, Tehsil Kamptee, District Nagpur	35000/- (Thirty five thousand only)
4.2	Online UPS 5 KVA	22/4/B, Mouja-Masala, Tehsil Kamptee, District Nagpur	
4.3	DG Set	22/4/B, Mouja-Masala, Tehsil Kamptee, District Nagpur	

## COMPLIANCE STATEMENT TO SPECIFICATIONS OF INSTRUMENTS

(Compliance with specification column is to be filled up by the bidder stating „YES/NO“ as the case may be)

ITEM No: 1 Supply, inspection, testing, packing, transportation, unloading, delivery, installation irrection commissioning of **Online UPS & Diesel Generator For Computerized Embroidery Machinery machines.**

**ITEM NO.:- 4 .1                      QUANTITY: 3**

Requirements Specifications	Compliance with specifications	Y/N
<b>10 KVA ONLINE UPS</b>	Type	3 phase input – 3 phase output
	Technology	DSP based Double Conversion Online UPS system with True Galvanic Isolation
	Rating	10 KVA
	Capacity	10 KVA
	<b>INPUT PARAMETERS</b>	
	No. of Phases	3 Phase- 4Wire
	Voltage Range	310 V -- 480 Volt AC
	Input Frequency Range	45 – 55 Hz
	<b>OUTPUT PARAMETERS</b>	
	Power	8000 W
	Load PF Range	0.8 Lagging
	Phase	3 Phase – 4 Wire
	Output Waveform	Pure Sine Wave
	Voltage	400V + 2% (P-P), 380V & 415V user selection also available
	Frequency	50Hz +/-0.1 Hz
	Load Crest factor	> 3.1
	Output Voltage THD	<=3% on Linear Load
	Loading Capacity	110% for 8 Minutes/ 125% for 1Min/ 150% for 13 Sec
	<b>BY-PASS</b>	
	Capacity	125% continues
	Maintenance By-Pass	Available

	<p><b>BATTERIES</b></p> <p>No. of 12V Batteries 30</p> <p>Voltage 360 V DC</p> <p>Battery Charging Current 10 Amps</p> <p>Battery Recommendation Form 7.2 Ah to 200 Ah</p> <p>Battery Self Test Automatic &amp; Manual</p> <p>➤ <b>USER INTERFACE</b></p> <p>Communication Port RS-232 Server and Client</p> <p>Operating System Windows95/98/NT/2000/XP</p> <p>➤ <b>GENERAL</b></p> <p>Indication LCD panel</p> <p>Alarm Mains failure, Battery Low, Over Load &amp; Short Circuit</p> <p>Protection short Circuit, Over Voltage &amp; Under Voltage Protection.</p> <p>Cooling Farced Air Cooling</p> <p>UPS Efficiency &gt; 90%</p> <p>Operating Temperature 0-45DegC</p> <p>Operating Humidity 95% Condensing</p> <p>Monitoring Software for remote monitoring Additional Software available</p> <p>Acoustic Noise &lt; 45 Db at 1 meter</p> <p>Protection Class Ip20</p> <p>UPS Weight (Without Batteries) 155 kg</p> <p>Dimension (L* W * H) (450 * 700 * 700) mm</p>	
<b>Accessories</b>	<b>As required</b>	
<b>Spares</b>	<b>As required</b>	

ITEM NO.:- 4 .2

QUANTITY: 1

Requirements Specifications	Compliance with specifications	Y/N
<b>5 KVA ONLINE UPS</b>	Type	3 phase input – 3 phase output
	Technology	DSP based Double Conversion Online UPS system with True Galvanic Isolation
	Rating	5 KVA
	Capacity	5 KVA
	➤ <b>INPUT PARAMETERS</b>	
	No. of Phases	3 Phase- 4Wire
	Voltage Range	310 V -- 480 Volt AC
	Input Frequency Range	45 – 55 Hz
	➤ <b>OUTPUT PARAMETERS</b>	
	Power	4000 W
	Load PF Range	0.8 Lagging
	Phase	3 Phase – 4 Wire
	Output Waveform	Pure Sine Wave
	Voltage	400V + 2% (P-P), 380V & 415V user selection also available
	Frequency	50Hz +/-0.1 Hz
	Load Crest factor	> 3.1
	Output Voltage THD	<=3% on Linear Load
	Loading Capacity	110% for 8 Minutes/ 125% for 1Min/ 150% for 13 Sec
	➤ <b>BY-PASS</b>	
	Capacity	125% continues



	Maintenance By-Pass	Available
	➤ <b>BATTERIES</b>	
	No. of 12V Batteries	30
	Voltage	360 V DC
	Battery Charging Current	10 Amps
	Battery Recommendation	Form 7.2 Ah to 200 Ah
	Battery Self Test	Automatic & Manual
	➤ <b>USER INTERFACE</b>	
	Communication Port	RS-232 Server and Client
	Operating System	Windows95/98/NT/2000/XP
	➤ <b>GENERAL</b>	
	Indication	LCD panel
	Alarm	Mains failure, Battery Low, Over Load & Short Circuit
	Protection	short Circuit, Over Voltage & Under Voltage Protection.
	Cooling	Forced Air Cooling
	UPS Efficiency	> 90%
	Operating Temperature	0-45DegC
	Operating Humidity	95% Condensing
	Monitoring Software	Additional Software available for remote monitoring
	Acoustic Noise	< 45 Db at 1 meter
	Protection Class	Ip20
	UPS Weight (Without Batteries)	105 kg
	Dimension (L* W * H)	(450 * 700 * 700) mm

ITEM NO.:- 4 .3

QUANTITY: 1

Requirements Specifications	Compliance with specifications	Y/N
<p><b>DG Set</b></p>	<ul style="list-style-type: none"> <li>□ Sound Proof, Weather Proof enclosure.</li> <li>□ Low vibration, low fuel consumption.</li> <li>□ Class A1 Governing in its range, which gives better accuracy in decreasing the speed drop in transient and lowering the recovery time of the speed.</li> <li>□ Confirms to statutory Govt. noise level norms.CPCB approved</li> <li>□ The Enclosure should be of modular construction with the provision to assemble and dismantle easily.</li> <li>□ The sheet metal components should be 9 tanks pre-treated and Polyester based powder coated (inside as well as outside) for long life.</li> <li>□ All Nuts-bolts, hardware should be of Stainless Steel for longer life.</li> <li>□ Battery should be provided in a tray inside the enclosure.</li> <li>□ Doors should be gasketed with high quality EPDN gaskets to avoid leakage of sound.</li> <li>□ A special silencer should be provided to control exhaust noise with aluminium cladding.</li> <li>□ Specially designed sound attenuators should be provided to control sound at air entry &amp; exit points inside the enclosure.</li> <li>□ To make the system vibration free, engine and alternator should be mounted on specially designed anti-vibration pads mounted on base frame.</li> <li>□ The enclosure should be designed and layout of the equipment should be such that there is easy access to all serviceable parts.</li> <li>□ Adequate ventilation should be provided to meet air requirement for combustion &amp; heat removal.</li> <li>□ The silent DG set should have following safety features: <ul style="list-style-type: none"> <li>◆ High water temperature.</li> <li>◆ Low lube oil pressure.</li> <li>◆ Emergency stop push button outside the enclosure.</li> </ul> </li> <li>□ Specially designed Standard Control Panel should be mounted inside enclosure itself.</li> <li>□ In-built draw in type fuel tank of suitable capacity. UV resistant powder coating, to withstand extreme environments</li> <li>□ The walls of the enclosure should be insulated with the retardant foam so as to comply with the noise level of 75 dB(A) at distance of 1 mtr. in open free field environment as per ISO 8528 part 10 specified by ministry of Environment &amp;</li> </ul>	

	<p>Forest.</p> <ul style="list-style-type: none"><li>▫ Fluid drains for lube oil and fuel</li><li>▫ Auto mains failure panel</li></ul> <p><b><u>TECHNICAL SPECIFICATIONS – SILENT DG SET</u></b></p> <p><b>A. <u>DIESEL ENGINE:</u></b></p> <p>4 cylinder, inline, 4 stroke cycle, Water Cooled, developing <b>90 BHP</b> at 1500 RPM under NTP conditions of BS:5514. The engine should be provided with electrical starting arrangement &amp; shall give the electrical output o at 0.8 power factor,</p> <p>415 Volts at the alternator terminal.</p> <p>The Engine should be fitted with the following standard accessories</p> <ol style="list-style-type: none"><li>01. <b>AI / Mechanical class Governor</b></li><li>02. Battery Charging Alternator</li><li>03. Engine safety Sensors (LLOP &amp; HWT)</li><li>04. Air Cleaner</li><li>05. Lube Oil Filter</li><li>06. Fuel Filler</li></ol> <p><b>B. <u>ALTERNATOR:</u></b></p> <p>3 phase, 415V, 0.8 PF, type, screen protected, revolving field, self-excited, self-regulated through an AVR. The alternator should have the following features:</p> <ul style="list-style-type: none"><li>- “H” class insulation</li><li>- <math>\pm 1.0\%</math> voltage regulation (max.) in static conditions</li><li>- <b>IP: 23 protection</b> with insulation class H</li><li>- Permissible overload of 10% for one hour in 12 hours of operation.</li></ul> <p><b>C. <u>ESSENTIAL ACCESSORIES:</u></b></p> <ul style="list-style-type: none"><li>▫ <b>Fuel tank:</b> Sub Base Fuel tank (DRAW IN TYPE) of MS sheet of adequate capacity.</li></ul>	
--	---	--

	<ul style="list-style-type: none"><li>▫ <b>Base Rail:</b> Base Rail of adequate size should be provided.</li> <li>▫ <b>Batteries:</b> For electrical control circuit 1 no., 12 Volts, 88 AH battery for electrical starting of DG set.</li></ul> <p><b>D. <u>CONTROL PANEL:</u></b> The Control Panel should be manufactured with 16/18 gauge CRCA sheet and powder coated for a weather-proof and long lasting finish. The Control Panel should consists of Microprocessor based DES 9 electronic controller, MCCB of suitable rating, Key Switch, Push Button (starter), LED: Battery Charging alternator fail indication, Current Transformer, Instrument fuses.</p> <p>The DES 9 microprocessor electronic controller should display the following parameters:</p> <ul style="list-style-type: none"><li>• Voltage, Frequency, Current, Rpm, Cumulative Run Hours, Oil Pressure, Coolant Temperature &amp; Charging Current ( DC Amp Meter).</li></ul> <p>The DES 9 microprocessor electronic controller should provide the following safety to the engine:</p> <ul style="list-style-type: none"><li>• Under &amp; Over Voltage, Under &amp; over Frequency, Under &amp; Over Speed, Overload, Low Lube Oil Pressure, High Coolant Temperature &amp; Emergency Off.</li></ul>	
--	--	--

## Annexure II

### COMMERCIAL BID / FORMAT FOR COST DETAILS

1. Cost particulars should be given in this format item wise separately

Price should be quoted on the basis of free on road [FOR] destination and including taxes/ duties/freight/insurance/packing and forwarding/erection/commissioning charges. Price should be firm and free from escalations.

Name of the Equipment: **Online UPS & Diesel Generator for Computerized Embroidery Machinery**

Item No	Name/Details of items	Quantity	FOR price in Rs. [in figure & words]
4.1	10KVA/360 Volts DC 3in three out Online UPS with 26 AH HAVING 30 Nos. Batteries for running load of 3 Machine of 1.8 Kilo Watt. Each, for 15 to 20 min backup	3	
4.2	5 KVA/ 360 Volts DC 3in three out Online Ups with 26 AH 20 Nos. Batteries for running load of 12 PC's for 30 min Backup	1	
4.3	62.5 kVA make Silent DG set comprising of Diesel Engine: 4 Cylinder, 90 BHP@NTP, 1500 RPM, coupled to 62.5 KVA, 3 phase, 415 V, 50 Hz alternator mounted on a common Base frame along with other accessories i.e., Fuel tank, Double contractor AMF Panel, Battery with leads & acoustic enclosure.	1	
	Total		
	Delivery schedule of the equipment		_____ months

**Annexure III**

**DELIVERY & COMMISSIONING SCHEDULE OF  
MACHINERY/EQUIPMENT**

<b>Item. No</b>	<b>Delivery and successful commissioning of Machinery/Equipment</b>	
<b>4</b>	Machinery/Equipment [Online UPS & Diesel Generator For Computerized Embroidery Machinery]	Within 180 days from the date of issuing Purchase Order

## Annexure IV

### [FORMAT TO BE FILLED UP AND SUBMITTED ON THE LETTER HEAD OF THE BIDDER]

To,  
Joint Director of Industries, Nagpur region  
& Chairman of the Purchase Committee,  
2<sup>nd</sup> floor, Udyog Bhavan,  
Civil lines, Nagpur

**Sub:** Supply of machines/equipment to the common facility center Nagpur as per the specifications and quantities mentioned in the tender JDIN/MSECDP/2012-13/OCGC/4 .

Dear Sir,

Having examined the conditions of Tender and Specifications of the -“**supply of Online UPS & Diesel Generator For Computerized Embroidery Machinery**”. We, the undersigned, offer to supply machines and equipment as mentioned in the Annexure I as per the quantity and specifications given in the tender along with standard spares/accessories as specified.

Earnest Money Deposit (EMD) of Rs. 35000.00 [rupees thirty five thousand only] as given in Annexure-I in the form of Bank Demand Draft / Pay Order No \_\_\_\_\_ .Dt. \_\_\_\_\_ Drawn on \_\_\_\_\_ in favour of Orange City Garment Cluster Pvt Ltd payable at Nagpur as detailed in Tender Conditions is enclosed.

The original tender document duly signed on all pages is enclosed.

We agree to abide by this offer for the period of 180 days from the date of opening of tender and it shall remain binding upon us.

If our offer is accepted, we undertake to supply the Online UPS & DG For Computerized Embroidery Machinery and install the same in the Common Facility Centre as mentioned in the tender within the specified periods mentioned in Annexure III from receipt of the order from the Chairman, Purchase Committee, in writing.

We agree to supply consumable spare parts and replacement of the broken/damaged/non-compatible parts during the guarantee / warrantee period, free of charge, as per the terms & conditions.

We confirm that the probable life expectancy of the machines as specified in the tender under normal conditions of operation is for a period of \_\_\_\_\_ years.

We agree to train the personnel of Common Facility Centre free of charge, as per the terms and conditions.

If our offer is accepted we will, obtain and arrange:

1. To sign an Undertaking on Judicial paper worth Rs 100.00 in the format prescribed in Annexure V before releasing of the Purchase order
2. Any other statutory obligation, if any, prior to commencement of supply of machinery.

We shall use only tender documents as issued for submitting our bid and shall comply with various terms and conditions.

Unless and until a formal Agreement/order is prepared and issued, this tender together with your written acceptance thereof, shall constitute a binding contract between us and Chairman Purchase committee.

We understand that you are not bound to accept the lowest or any tender you may receive.

We agree to make a presentation of the products to be supplied by us, before the Purchase Committee if need be on a mutually convenient date.

Authorized Signatory to tenderer :

Name :

Date :

Designation / Capacity :



**Annexure V**

**(To be submitted by the bidder on Rs.100/- Stamp Paper)**

Tender Reference No.: \_\_\_\_\_ Dated \_\_\_\_\_

**UNDERTAKING / DECLARATION**

To,  
Joint Director Of Industries, Nagpur Region  
& Chairman Purchase Committee,  
2<sup>nd</sup> floor, UdyogBhavan, Civil lines,  
Nagpur-440001.

Dear Sir,

I/We, \_\_\_\_\_ (Bidder's Name & Address) undertake to supply the item -“ **Online UPS & Diesel Generator For Computerized Embroidery Machinery**”. as per the detailed specification of Tender and honour the terms and conditions of the tender document.

I/We undertake to supply the machinery/equipment within the stipulated period of time and accept the penalty clause imposed by Purchase Committee as per the terms and conditions of the Tender.

I/We undertake that during the warranty period, regular servicing/maintenance will be carried out as per the Warranty Clause.

I/We undertake to provide adequate training (normal operation, trouble shooting) to two technical personnel of the Common Facility Centre on the supplied equipment and making them confident of operating the machinery/equipment independently.

I/We agree that the full payment will be released to us only after completion of satisfactory installation, trial and training on the said machines / instrument.

Dated at \_\_\_\_\_ this \_\_\_\_\_ day of \_\_\_\_\_ 2012.

Authorised Signatory Signature Name :  
Designation :  
Name & Address of the Company :  
Seal of the Company :

## V) CHECK LIST TO THE BIDDERS

1. Get all the clarification regarding terms and conditions, specification etc. during the pre bid meeting or by writing to the Joint Director Of Industries, Nagpur, prior to submission of bids.
2. The original tender document in full, along with the technical details/supporting documents/enclosures should be duly signed on all the pages.
3. Fill up the relevant compliance columns in the specifications given for the equipments/machinery quoted by stating , “YES” or “NO”. In case of any deviations in the specifications, the details may be given separately as Annexure.
4. The required Earnest Money Deposit (EMD) for each machinery/equipment as mentioned in the Tender Document are to be enclosed. DD are to be kept in Technical Bids.
5. A covering letter duly signed by the authorized person as per the specimen given at Annexure IV of the tender document.
6. Ensure that User certificates from at least two users, on their letterhead stating that the performance of similar make and model supplied to them is working satisfactorily, is enclosed.
7. Descriptive leaflet / brochure of the equipment quoted to be enclosed along with the technical details.
8. The Technical and commercial details are to be submitted separately super scribing  
“Cover –A” - Technical details for **“supply of Online UPS & Diesel Generator for Computerized Embroidery Machinery”**.  
**AND**  
“Cover- B” - Commercial details for -**“supply of Online UPS & Diesel Generator For Computerized Embroidery Machinery”**.  
Both the covers are to be put together in **one envelope** and sealed properly, super scribing **“bid for supply of Online UPS & Diesel Generator for Computerized Embroidery Machinery”**.
9. Proof regarding manufacturer / authorized agent / supplier, as the case may be, is enclosed.
10. Prior to submission of bids, bidders have to ensure that the machinery/equipment quoted by them is manufactured as per the international standard mentioned in the specification.
11. Cost details are to be given in the prescribed format only.

Note: If the bidder fails to furnish all the relevant document/ information as mentioned in the Tender Document, the Tender will be rejected.