

E - TENDER NOTICE

E-Tender offers are invited for supply, installation testing & commissioning of new Cummins make 750 KVA Diesel Generator set with control panel (1 No.) at our Vashi branch, Navi Mumbai. Tender details along with scope of contract, technical specifications and Terms and Conditions of this E-Tender are available on our website <www.gokulmilk.coop> and <https://www.mstcecommerce.com/eprochome/mstc> Earnest Money Deposit for this Tender is Rs.1,00,000/- (Rs. One lac only). E-Tender offer is to be submitted on or before **22.12.2022 at 2.00 pm**. Right to accept or reject any or all Tenders without assigning any reason is reserved.

Managing Director Chairman
Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd.,
B-1, M.I.D.C., Gokul Shirgaon Tal. Karveer, Dist. Kolhapur - 416234

KOLHAPUR ZILLA SAHAKARI DUDH UTPADAK SANGH LTD. KOLHAPUR

General Terms & Conditions

1. Bidder should visit site & understand the location of D.G. set, location of control panel available space for D.G. set and other related work. Visit report should be attached with technical offer. Tender without visit report will not be considered.
2. Contact person for visit - 1) Mr. Akash Chougale (Engineer)– Mobile no. – 1) 8080910024,
2) Mr. Kulkarni A.R. (A.M. Elect)– Mobile no. – 9326441162
3. Contractor should work as per latest I.E. rules
4. The bidder should submit their bid on their letterheads in the prescribed format given in the bid documents.
5. Any civil / mech. damages made by contractor while doing the work, the cost of that damages will be deducted from contractor's payment.
6. The bidder should be authorize dealer of Cummins make D.G.set.
7. The bidder should have supplied & commissioned minimum three D.G. sets of capacity 750KVA & above in last 5 years.
8. The Bidder should submit their E-Tender in two bid system
 - i. Technical bid included acceptance of general terms & conditions & eligibility criteria with specifications & EMD details.
 - ii. Commercial Bid - Commercial bid as per prescribed format
9. Bid must be accompanied by Earnest Money Deposit of Rs. 1,00,000/- (Rs. One lac only) through RTGS. Please mentioned UTR No, date & amount in the technical offer. Remittance of EMD by any other mode shall not be accepted. Tender without EMD will not be considered. Earnest Money Deposit of unsuccessful Tenderer will be returned within two month. RTGS details given below

Name of Project Authority	Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., Kolhapur
Address of Project Authority	B-1, MIDC, Gokul Shirgaon, Tal Karvir, Dist. Kolhapur, State Maharashtra Pin Code 416 234
Name of Bank	Bank of Maharashtra
Bank A/c No.	60182028384
IFSC Code	MAHB0001575
Branch Name & Address	B-1, MIDC, Gokul Shirgaon, Tal Karvir, Dist. Kolhapur, State Maharashtra Pin Code 416 234

10. No escalation in the price will be given once the order is finalised.
11. The EMD amount of unsuccessful bidders will be returned. Successful bidder's EMD amount will be transferred to security deposit and it will be paid with final bill of work.
12. If the successful bidder fails to complete the work then the EMD amount will be forfeited.
13. The bidder has to furnish photocopy of PAN card & GST No.

14. Commercial & Technical e- tender should be submitted separately on or before 2.00 hrs of **22.12.2022**.

Date of opening of technical eTender is on **22.12.2022 at 3.00 pm**.

15. Bidder should visit Gokul Dairy, Vashi (Navi Mumbai) **on Dt. 10.12.2022** for technical discussion & clarification if any. (**Visit Time sharp 11:00 AM**) . This visit is mandatory.
16. Bidder should submit commercial offer with item wise rates & total amount of the work.
17. Contractor should provide warranty of D.G. Set as per company norms.
18. Safety precautions should be taken while doing the work. If any accident occurs to contractors worker, then the whole responsibility will be of contractor.
19. For any dispute regarding this work, decision of the Dudh sangh Chairman will be Final.

20. Payment Terms.

- 30% payment will be given as advance after receipt of order acceptance and against bank guarantee of same amount of nationalized bank only.
 - 30 % payment alongwith GST against material receipt at site.
 - 30 % against satisfactory commissioning of D.G.set with Control panel & Breaker panel & submission of documents (e.g. MSEDCL NOC, Electrical inspection & drawing approval, D.G.set Registration etc. liasioning work , D.G .Manual etc.)
 - 10 % against performance bank Guarantee for one year or after one year from satisfactory commissioning of the system
21. Contractor should arrange for D.G. set & material transport, insurance & safe storage of material.
22. Work completion period – Max. 3 months from the date of work order.
23. **Penalty** : If work not completed within stipulated period , Sangh will decide penalty and it will be binding to contractor.
24. Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd. reserves the right to reject the item either in full or in part, if at the time of delivery, the items supplied do not confirm to the quality and technical specification as stipulated in the tender.
25. The conditional, incomplete, defective or ambiguous tenders, as decided by the Managing Director, Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., shall be rejected.
26. The tenderer should offer the inspection of the material prior to dispatch at no extra cost to the Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd.. The entire supply should also be further offered for the inspection at site. If the material fails to conform the technical specifications, Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd. may reject the same and the tenderer shall either replace or make alterations necessary to meet the requirements, free of cost.
27. If the bidder fails to complete the supply/complete the work within the period prescribed, The Managing Director, Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., shall be entitled, at his option, to recover from the bidder, as penalty a sum equivalent to half percent of the total cost for delay of each week or part thereof during which supply/installation is delayed, subject to the maximum of 3% of the tendered cost of the contract.
28. **REJECTION OF DEFECTIVE MATERIAL** :The supply of material, as well as their installation and commissioning shall have to be carried out by the tenderer to the entire satisfaction of Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd.. If the plant, machinery and equipment is found to be defective or found to have failed to fulfill the requirements of the contract or develop defects after commissioning within a period of 12 months from the date of satisfactory trials, the Managing Director, Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., shall be entitled to give a notice to the tenderer indicating details of such defects or failure and the tenderer shall forthwith make the defective plant good or alter the same to make it comply with the requirements of the contract at his own cost. Further, if in the opinion of the Managing Director, Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., the defects of such nature, cannot be made good or repaired without impairing the efficiency of workability of the plant, the tenderer shall replace the same with the plant, machinery and equipment- conforming to the stipulated specifications in all respects at the

cost and risk of the contractor. Should the contractor fail to do so, within a reasonable time, the Managing Director, Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., may reject and replace it at the cost and risk of the bidder.

29. FINAL TEST AND TRIAL RUN: Each machine/equipment shall first be tried out and satisfactorily commissioned by the tenderer. After satisfactory commissioning, a joint trial shall be conducted by the bidder and the representative of Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., for a period of consecutive 7 days without interruption.
30. During the erection, commissioning and trial runs, the bidder shall train the staff of the Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., for operation and maintenance of the machinery and equipment.
31. The bidder shall supply:-
 - i. Three sets of hard copy of service and maintenance manual for each machine / equipments.
 - ii. Three sets of hard copy of operating instructions for each machine/equipment.
 - iii. Any other technical literature/drawing (Electrical, P & ID, equipment drawings) required by Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd. in three sets of hard copies.
 - iv. Soft copy of all above.
32. Bidder should submit the working drawing & layout to Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd. before executing the work..
33. The bidder shall arrange for insurance etc. of his people employed for erection and installation work as per ESIS ACT, WORKMEN COMPENSATION ACT, and any other provision to meet statutory requirements of various Labour Acts/Rules. In case of accident to any of his person in his employment or agents during the period of installation & commissioning, the office of the Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd. shall not bear any liability whatsoever. The entire responsibility primary and final in this respect will be that of bidder. No any type of accommodation, food & travel expenses will not be provided by us to your employees or workers. The safety equipments should be used at the time of work by your employees & workers.
34. The minor modifications in layout to suit the site requirements / conditions shall be undertaken by the party within the cost of the tender.
35. RESPONSIBILITY FOR COMPLETING THE CONTRACT :
36. The responsibility for completing the contract and commissioning the plant, machinery and equipment rests with the bidder. Any items which may not be specifically mentioned in the tender specifications, but which are necessary to be provided to complete the installation, commissioning work, the tenderers should bring out such items in the tender separately and their charges/value should be included in the tender offer by giving specific details.
37. It shall be the responsibility of the successful bidder to have comprehensively insured the goods against any risk i.e. against the damages that may be caused during the stage of transition, execution, trials, fire, theft etc. till final handing over of the entire equipment to Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd. after satisfactory trials.
38. The bidder should furnish details of relevant past experience, along with the list of clients and with details of orders for similar jobs executed.
39. Contacting the purchaser (Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd.): - From the time of tender opening to the time of contract award, if any tenderer wishes to contact Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd. on any matter related to the tender, it should do so in writing. Any effort by a tenderer to influence the Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd. in its decision on evaluation, tender comparison or contract award may result in the rejection of the tender.

40. Clarifications: -

41. During evaluation, Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd. may, at its discretion, ask the tenderer for the clarification of its tender. The request for clarification and the response shall be in writing and no change in the prices or the substance of the tender shall be sought, offered or permitted.
42. For disputes, if any, the decision of the Chairman , Kolhapur Zilla Sahakari Dudh Utpadak Sangh Ltd., shall be final.
43. Legal disputes, if any, are subject to Kolhapur Jurisdiction.
44. The total charges mentioned in the Purchase Order are inclusive of all the Taxes and Duties, any change in the same after submitting the offer shall be a responsibility of the bidder.
45. The successful bidder has to enter into the 'Contract Agreement', if required, for completion of the job, performance guarantee, etc., before disbursement of any payment.
46. The successful bidder shall maintain a register to maintain record of daily progress of the project /work and shall take the signature of the concerned person in that register, on the same day. This register shall be produced before the project authority, as and when asked, during the progress of the project / work and shall be submitted after the completion of the project / work.
47. The Contractor shall not sublet the contract without our written permission.

- **Process of E-tender :**

A) Registration: The process involves vendor's registration with MSTC e procurement portal which is free of cost. Only after registration, the vendor(s) can submit his/their bids electronically. Electronic Bidding for submission of Technical Bid as well as Commercial Bid will be done over the internet. The Vendor should possess Class III signing & Encryption type digital certificate. Vendors are to make their own arrangement for bidding from a P.C./Laptop connected with Internet. MSTC is not responsible for making such arrangement. (Bids will not be recorded without Digital Signature). Only Internet Explorer Browser is to be used for tender submission.

SPECIAL NOTE: THE TECHNICAL BID AND THE COMMERCIAL BID HAS TO BE SUBMITTED ON-LINE AT <https://www.mstcecommerce.com/eproc/>

Vendors are required to register themselves online with <https://www.mstcecommerce.com> → e-Procurement → Common Portal → Register as Vendor -- Filling up details and creating own user id and password → Submit.

Vendors will receive a system generated mail confirming their registration in their email which has been provided during filling the registration form.

In case of clarification regarding e procurement (before the scheduled time of the e- tender). for other clarification please contact as mentioned below

Contact person (MSTC Ltd):

E Tender Process

Megha Sinha , DM - MSTC Ltd., Email - megha@mstcindia.co.in

Phone – 0265- 2960354/2960379/ 2960385; Mobile – 7044067736

MSTC Customer Support No. 07969066600

E mail helpdeskho@mstcindia.co.in

Contact person Gokul

For any Technical queries you may contact

- 1) Mr. Akash Chougale (Engineer) – Mobile no. – 8080910024,
- 2) Mr. Kulkarni A.R. (A.M. Elect) – Mobile no. – 9326441162

For any Commercial queries you may contact

Mr. K.N. Molak (Manager Purchase) on his Mobile No. **9561995978/9422775977**

e-mail purchase@gokulmilk.coop

B) System Requirement:

i) Windows 7 or above Operating System ii) IE-9 and above Internet browser.

iii) Signing & encryption type class III digital signature iv) Latest updated JAVA JRE 8 (x86 Offline) software to be downloaded and installed in the computer system.

To disable “Protected Mode” for DSC to appear in The signer box following settings may be applied.

- a. Tools => Internet Options => Security => Disable protected Mode If enabled- i.e, Remove the tick from the tick box mentioning “Enable •Protected Mode”. Other Settings:
- b. Tools => Internet Options => General => Click On Settings under “browsing history/ Delete Browsing History” => Temporary Internet Files => Activate “Every time I Visit the Webpage”.
- c. To enable ALL active X controls and disable ‘use pop up blocker’ under Tools → Internet Options → custom level (Please run IE settings from the page <https://www.mstcecommerce.com> once)
- d. The Techno-commercial Bid and the Price Bid shall have to be submitted online at <https://www.mstcecommerce.com/eproc/> Tenders will be opened electronically on specified date and time as given in the Tender.
- e. All entries in the tender should be entered in online Technical & Commercial Formats without any ambiguity.
- f. Special Note towards Transaction fee:

The vendors shall pay the transaction fee using “Transaction Fee Payment” Link in the vendor login. The vendors have to select the particular tender from the event dropdown box. The vendor shall have the facility of making the payment either through NEFT or Online Payment. On selecting NEFT, the vendor shall generate a challan by filling up a form. The vendor shall remit the transaction fee amount as per the details printed on the challan without making change in the same. On selecting Online Payment, the vendor shall have the provision of making payment using its Credit/ Debit Card/ Net Banking. Once the payment gets credited to MSTC's designated bank account, the transaction fee shall be auto authorized and the vendor shall be receiving a system generated mail. **Transaction fee once paid is non-refundable in any case scenario.**

- g. A vendor will not have the access to online e-tender without making the payment towards transaction fee.

NOTE

Bidders are advised to remit the transaction fee well in advance before the closing time of the event so as to give themselves sufficient time to submit bid.

Information about tenders /corrigendum uploaded shall be sent by email only during the process till finalization of tender. Hence the vendors are required to ensure that their corporate email I.D. provided is valid and updated at the time of registration of vendor with MSTC. Vendors are also requested to ensure validity of their DSC (Digital Signature Certificate).

E-tender cannot be accessed after the due date and time mentioned in NIT.

Bidding in e-tender :

- a. Vendor(s) need to submit necessary EMD, Tender fees etc.
- b. Transaction fees (If ANY) to be eligible to bid online in the e-tender. Tender fees and Transaction fees are non-refundable. No interest will be paid on EMD. EMD of the unsuccessful vendor(s) will be refunded by the tender inviting authority.
- c. The process involves Electronic Bidding for submission of Technical and Commercial Bid.
- d. The vendor(s) who have submitted transaction fee can only submit their Technical Bid and Commercial Bid through internet in MSTC website www.mstcecommerce.com → e-procurement → Common Portal → Login → My menu → live event → Selection of the live event
- e. The vendor should allow running JAVA application. This exercise has to be done immediately after opening of Bid floor. Then they have to fill up Common terms/Commercial specification and save the same. After that click on the Technical bid. If this application is not run then the vendor will not be able to save/submit his Technical bid.
- f. After filling the Technical Bid, vendor should click 'save' for recording their Technical bid. Once the same is done, the Commercial Bid link becomes active and the same has to be filled up and then vendor should click on "save" to record their Commercial bid. Then once both the Technical bid & Commercial bid has been saved, the vendor can click on the "Final submission" button to register their bid
- g. Vendors are instructed to use *Attach Doc button* to upload documents. Multiple documents can be uploaded.
- h. In all cases, vendor should use their own ID and Password along with Digital Signature at the time of submission of their bid.
- i. During the entire e-tender process, the vendors will remain completely anonymous to one another and also to everybody else.
- j. The e-tender floor shall remain open from the pre-announced date & time and for as much duration as mentioned above.
- k. All electronic bids submitted during the e-tender process shall be legally binding on the vendor. Any bid will be considered as the valid bid offered by that vendor and acceptance of the same by the Buyer will form a binding contract between Buyer and the Vendor for execution of supply.
- l. It is mandatory that all the bids are submitted with digital signature certificate otherwise the same will not be accepted by the system.
- m. Buyer reserves the right to cancel or reject or accept or withdraw or extend the tender in full or part as the case may be without assigning any reason thereof.
- n. No deviation of the terms and conditions of the tender document is acceptable. Submission of bid in the e-tender floor by any vendor confirms his acceptance of terms & conditions for the tender
- o. Any order resulting from this tender shall be governed by the terms and conditions mentioned therein.

- p. No deviation to the technical and commercial terms & conditions are allowed.
- q. The tender inviting authority has the right to cancel this e-tender or extend the due date of receipt of bid(s) without assigning any reason thereof.
- r. Vendors are requested to read the vendor guide and see the video in the page www.mstcecommerce.com/eprohome to familiarize them with the system before bidding.

Yogesh Godbole
Managing Director

KOLHAPUR ZILLA SAHAKARI DUDH UTPADAK SANGH LTD. KOLHAPUR

Scope of work

A) Contractors Scope :

1. Supply , installation, Testing & commissioning of 750 KVA D.G. set with outgoing switch panel and accessories . Extension of engine exhaust pipe as per requirement & as per rule.
2. Supply , installation, Testing & commissioning of Control panel as per specifications given in tender.
3. Loading, Transportation (with transit insurance), unloading of D.G. set, Panel & material. (Shifting, reloading & unloading of D.G. set & material at site if required.)
4. Fixing of D.G. set & panel on foundation
5. Fitting of exhaust pipe, fuel pipes & silencers with Proper supports (material + labour.)
6. NOC from MSEDCL, Electrical drawing approval & inspection from Electrical inspector, Application for D.G.set registration & submission of registration No. to Gokul, etc. (all liaisoning work)
7. Cable laying (Power & control cables) & termination work with material + labour (D.G.to Breaker panel)
8. Load trial of D.G. set & submission of trial report to Gokul.
9. Preparation & connection of earthings as per I.E.Rule
10. Arrangement of labour, safety equipments, tools & tackles, etc
11. Vehicle arrangement for Electrical inspector & MSEDCL Engineer.
12. Manual of D.G. Set with control wiring should be provided to Gokul.
13. The work /item which is not mentioned in the tender and if it is mandatory for the functioning of the system and as per I.E. rule, then that work should be done by contractor without any extra cost.

B) Gokul Scope :

1. Payment of Legal fees
2. Signing of required papers.
3. Arrangement of shut down for D.G. set connection work.
4. Civil foundation for D.G. Set.

C) MAKE OF 750 KVA D.G. Set. - Cummins India Ltd.

- i) With Acoustic Enclosure as per CPCB norms and Gokul requirement
- ii) Exhaust pipe as per CPCB norms.
- iii) Batteries with inbuilt charger

D) Technical Data & Specifications for 750 KVA D.G. set : (Make - Cummins India Ltd.)

1.	Model	C750D5P
2.	Duty	Prime
3.	Power Rating KVA / kWe	750/600
4.	No. of Phases	3
5.	Output voltage and Frequency (V and Hz)	415V, 50 Hz
6.	Power Factor	0.8 lagging
7.	Current (A)	1043 Amp.
8.	RPM	1500
	Engine Specification	
9.	Make	Cummins
10.	Model	KTA38-G12
11.	MoEF Certified Power (hp)	1069
12.	Required Power for Rated KVA (hp)	891
13.	Cooling	Liquid cooled (Distilled Water + DCA2)
14.	Aspiration	Turbo charged, Aftercooled
15.	No. of cylinders	12, Vee
16.	Bore (mm) x Stroke (mm)	159 x 159
17..	Compression ratio	16:7:1
18.	Displacement (litre)	38
19.	Fuel	High Speed Diesel
20.	Fuel consumption@75% load with radiator and Fan (litre/hr)	130.50 (Approx.)
21.	Fuel consumption@100% load with radiator and Fan (litre/hr)	166.32 (Approx.)
22.	Performance class of generator set	ISO 8528-5 G2
23.	Starting system	24 V DC Electrical
24.	Lube oil specification	CH4 15W40
25.	Lube oil sump capacity, High- Low level (litre)	140 - 114
26.	Total consumption system capacity (litre)	155
27.	Total coolant capacity (litre)	330
28.	No. of banks x Exhaust pipe size (inch)	2 x 8

29.	Total wet weight (Engine + Radiator) (Kg)	5800
30.	Length x Width x Height (Engine) (mm)	2269 x 1436 x 1764
31.	Mean piston speed (m/s)	7.95
32.	Combustion air intake @ 100% load ($\pm 5\%$) (cfm)	2011
33.	Exhaust Temperature ($^{\circ}\text{C}$)	520
34.	Governor / Class	Electronic / A1
	Alternator Specification	
34.	Make	Stamford (CGT)
35.	Alternator Frame	HC1634W1
36.	Enclosure	IP23
37.	Voltage Regulation (Max)	($\pm 1\%$)
38.	Class of Insulation	H Class
39.	Winding pitch	2/3
40.	Stator Winding	Double layer lap
41.	Rotor	Dynamically Balanced
42.	Waveform distortion / Total Harmonic Distortion	No load $< 1.5\%$, Non
43.	Distortion	Distorting balanced linear load $< 5\%$,
44.	Maximum Unbalanced Load across phases	Less than or equal to 25%
45.	Telephonic Harmonic factor	$< 2\%$,

E) Acoustic Encloser:

- 1) Engine coupled to 'Stamford' Alternator. Engine & alternator mounted on Channel Iron Base Frame with AVM pads.
- 2) Specially designed to meet MoEF/CPCB norms of 75dBA @ 1mtr at 75% load under free field conditions.
- 3) Acoustic should be Hybrid type & will be assembled at site
- 4) The acoustic enclose is made of CRCA sheet (1.6 & 3mm) in munsel green/ ONAN green shade and a structural/sheet metal base frame painted in black.
- 5) High quality noise absorbant and free-retardant grade acoustic insulation material (Rockwool) (Density 96 Kg/m³)complying IS 8183.
- 6) Cap – on type encloser with base lifting for easy handling at customer site.
- 7) Air inlet louvers specially designed to operate at rated load.
- 8) 11 tank pretreatment process and UV resistant power coating of all parts to withstand extreme environment
- 9) Provision of Fluid drains for lube oil and fuel.
- 10) Provision of fuel line connection from day tank.
- 11) Acoustic D.G. set is provided with external ;Emergency STOP Push Button' & inside lighting.

12) Note : Acoustic Encloser should have folding type doors. Hinges type doors not applicable due to shortage of space.

F) Battery Chager : Battery Chager with auto cut off facility.(Cummins std.)

G) Battery – 12V X 2 Nos.,160AH, (Cummins std.)

H) Fuel Tank – Capacity – 990 ltrs (with Cummins Std, specifications) with proper fabricated stand..

I) D.G.Set Control Panel:

- 1) Cummins power start microprocessor based control panel – **Model – PSO 601**
(with facility of monitoring metering and control system with LCD display designed to meet the demands of today's engine driven generator sets.)
- 2) Intuitive operator interface which includes LED backlight 128x64 pixel graphic display with tactile feel soft switches & generator set status LED lamps.
- 3) Remote start/stop. facility
- 4) Control Panel mounting on D.G.set.
- 5) With other std. features of PSO601.(Cummins std.)

J) Main Breaker Panel :

- 1) Main Breaker panel should be out door type.Top slope for water drain.
- 2) Panel fabrication should be done by 14 SWG CRCA sheet. Panel doors must have proper gaskets.
- 3) Cable gland plate thickness – 3mm.(Minimum). Gland plate fitting with nut bolt.
- 4) Approx. Panel size – (L= 850mm, W= 850mm, H= 2000mm).
- 5) The fabricated section should be thoroughly cleaned by 7 tank process.
- 6) The metal surface shall be painted by phosphates, passivated and powder coated with final two coats , of Siemens gray (RAL7032) or Havells gray (RAL 7035).
- 7) The base frame and stand should be painted with black colour. (Suitable stand should be provided by contractor)
- 8) Bus bar should be provided of proper capacity with heat shrinkable PVC sleeves with proper colour code. Bus bar supports should be of suitable epoxy material.
- 9) Panel should have proper cooling system.
- 10)Panel must have suitable fabricated stand (H=300mm Minimum). It should be grouted properly.
- 11) Main Air circuit breaker (ACB) – 1250 Amp., 50KA, 4 pole, MDO Type (**draw out type**)
Microprocessor ACB with O/L, S/C, U/V release, Make – L&T..
- 13)Panel Meters – Digital Voltmeter, Digital Ammeter, KWH meter/Multifunction meter, Hour meter, Battery D.C. voltmeter, etc.
- 14)Panel Push Buttons & Indicating lamps. – R,Y,B, indicating lamps, Load ON, Set running indicating lamps, D.G. start & Stop push button, Emergency stop push button with lock.
- 15)Fault finding announcing Hooter with reset facility.
- 16) Reverse power relay in control circuit.

FORMAT
COMPANY PROFILE

Name of the Tenderer	-	
Address	-	
Tel. Nos.	-	
web site	-	
E - mail	-	
GST Registration No.	-	
Name of Authorized Signatory	-	
Designation of the authorized Signatory	-	

Seal & Signature of Bidder

FORMAT

Details of such type of work (min 3 sites) completed by bidder
(Attach work orders of work completed at other sites)

Sr. No.	Name & place of Job	Cost of work

Seal & Signature of bidder

KOLHAPUR ZILLA SAHAKARI DUDH UTPADAK SANGH LTD. KOLHAPUR
Supply, Installation, Testing & Commissioning of 750KVA D.G. Set at Vashi Branch Mumbai

COMMERCIAL OFFER

Price breakup

Sr.No.	Description	Qty.	Rate (Rs.)	Amount (Rs.)
1.	supply, installation, Testing & commissioning of 750 KVA D.G. Set (Make – Cummins India Ltd.) along with control panel and std. accessories with transportation, insurance, as per tender terms & conditions & specifications etc.)	1 Set		
2.	Supply, installation, Testing of Main Breaker Panel along with accessories with transportation, insurance, as per tender terms & conditions & specifications.	1 Set		
3.	Preparation & connection of pipe in pipe type (Bore type) earth pits as per I.E. rule, with material supply, installation & commissioning (For D.G. Set & Braker panel.) (Qty. – As per IE Rule)	1 Set		
4.	Laying of cables from D.G. set to Breaker panel (Control & power cables)	1 Job		
5.	300 Sq. mm 3.5 core, Al, armoured cable termination with material + labour	6 Set		
6.	All required liasioning work (NOC from MSEDCL, Electrical drawing approval & inspection from Electrical Inspector, Application for D.G. set registration & submission of registration No. to Gokul etc.)	1 job		
7.	Additional misllanious item/work to be done if any which required to achive the results and not mentioned above.			
			Total Amount	
			GST (%)	
	Grand Total Amount			

GRAND TOTAL (In Words Including GST) _____
