

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR TENDER DOCUMENT

An Institution of National Importance under Shiksha Mantralaya (Ministry of Education), Govt. of India.

[Comprehensive Annual Maintenance for all **66 Nos. of pump** at NIT Durgapur Campus.]

TENDER No. NITD/AMC-Pumps/2023-24/09

Dt. 30.06.2023

उद्योगः पुरुषस्य लक्षणम

NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR



MAHATMAGANDHIAVENUE, DURGAPUR-713209 (West Bengal), INDIA, www.nitdgp.ac.in

An Institution of national importance under Shiksha Mantralaya (Ministry of Education), Govt. of India.

Tender No.: NITD/AMC-Pumps/2023-24/09 Date: 30.06.2023

Notice Inviting e-Tender Notice

NITD invites online e-Tender from reputed contractors for the Comprehensive Annual Maintenance for all 66 nos. of pumps at NIT Durgapur Campus, in two-bid system, i.e., i) Technical Bid ii) Financial Bid from bonafide, resourceful and competent contractors for execution of specified works.

Eligibility Criteria of Bidders:

i) EARNEST MONEY = Rs. 4,900/- (Rupees Four Thousand Nine Hundred only) either in DD on any Nationalized Bank or Banker's Cheque of any Nationalized Bank. For small scale industries with certificate from NSIC/MSME the deposition of Earnest Money is exempted (subject to the submission of valid NSIC/MSME certificate). But there is No preference / exemption on Bid value and TOTAL Security Deposit. EMD will be retained till the finalization of successful bidder.

ii) Credential

- (a) Three (3) similar works, each of value not less than 40% of the estimated cost put to tender*, or
 - (b) Two (2) similar works, each of value not less than 60% of the estimated cost*,or
- (c) One (1) similar work of value not less than 80% of the estimated cost, * all above amounts rounded off to a convenient full figure of nearest Rs. 10, in the last 7 Financial years (2015-16 to 2021-22).

Similar work means Civil, Electrical or Mechanical Works.

- *WORK ORDER AND COMPLETION CERTIFICATE WITH CLIENT'S COMMENT/REMARKS ARE TO BE SUBMITTED
- iii) Bank Solvency certificate = 30% of the Estimated Value not older than one year.
 - iv) All valid licenses namely Trade License, ESIC, EPF, GST etc. whichever is applicable.
 - v) Latest IT returns, Aadhar Card, Valid NSIC/MSME Certificate.
- vi) The Cost of the Tender Document is Rs. 500/- (Rupees Five Hundred only) to be submitted in Technical Bid as in online payment mode only. NSIC/MSME firms are exempted from depositing this price. For calls more than one the bidders who have deposited the cost of tender in 1st call need not deposit the same for reparticipation. In that case the previously submitted tender cost bank transaction can be uploaded for claiming the tender cost exemption

Schedule of Work

Name of Organization	National Institute of Technology Durgapur	
Nature of Work	Comprehensive Annual Maintenance for all 66 nos. of	
	pumps at NIT Durgapur Campus.	
Tender No.	NITD/AMC-Pumps/2023-24/09	
Tender Estimated Cost (Including GST, Cess	Rs. 2,42,799.00	
and other taxes)		
Tender Fee (Non-Refundable) by	Rs. 500.00	
online/offline mode.		
EMD	Rs. 4,900/-	
Tenure of Contract	12 months from the date of receipt of work order.	
Tender Type	Open	
Tender Category	Works	
Type / Form of Contract	Works	
Product Category	Civil Works	
Source of Fund	Institute	
Is Multi Currency Allowed	NO	
Date of Issue/Publishing	30/06/2023	
Document Download Start Date	30/06/2023	
Last Date and Time for Uploading of Bids	22/07/2023 (17.30 Hrs.)	
Date and Time of Opening of Technical Bids	24/ <mark>0</mark> 7/2023 (11.00 Hrs.)	
No. of Covers**	02	
Bid Validity days	90 days (From last date of opening of tender)	
Address for Communication	1) Mr. B. Nagarajan,	
6	Assistant Engineer (Electrical) and I/C Maintenance	
	Section, National Institute of Technology Durgapur	
	M. G. Avenue. Durgapur -713209,	
	West Bengal. INDIA	
	2) Dr. Pronab Roy,	
Dahm. D	FIC (Civil), Assistant Professor, National Institute of	
उद्योगः	Technology Durgapur	
	M. G. Avenue. Durgapur -713209,	
	West Bengal. INDIA	
Contact No.	0343 2759028/4192/9031	
Email Address	nagarajan.b@admin.nitdgp.ac.in	
	help.maintenance @nitdgp.ac.in	

If the last date of tender opening coincides with a Holiday / Bandh, the same will be deferred to the next working day.

Sl. No.	Nature of Work	Earnest Money Deposit in INR	Performance Guarantee
			(in INR)
1	Comprehensive Annual	Rs. 4,900/-	3% of the tendered value
	Maintenance for all 66 nos. of	(INR Four Thousand Nine Only)	of the work (Time allowed
	pumps at NIT Durgapur Campus.		for submission of
			Performance Guarantee is
			15+1 day from the issue of
			Work Order.)

Government eProcurement System of NIC (GePNIC ©) Guidelines for hassle free Bid Submission

Non submission of bids due to any reasons within due date / time following due process prevalent at that time in the portal for which bidder shall be held solely responsible. Neither National Informatics Centre nor concerned Procuring Entity will be held responsible for the same in any manner.

The following information helps bidders in overcoming last minute hassles and guide towards successful bid submission.

1. System readiness:

- 1.1.Bidders are advised to keep ready well in advance, their computer system in order like Original Operating System having sufficient RAM, high speed internet connectivity like broad band, with net work providing static IP (avoid using mobile data/network), right internet browser, right Java Runtime Environment, un restricted access to the eProcurement portal from the bidder computer system. Bidders are also advised to procure and keep ready well in advance valid Digital Signature Certificate (Signing) of Class III issued by CA under CCA India.
- 1.2. To know about prevalent system requirements, portal enrolment and online bidding and other procedures, bidders can avail Help Desk facility. Bidders are also advised to refer FAQs, Bidder Manual Kit, System Malfunction Procedure available on the portal in addition to the instructions provided in the Tender.

2. Portal Enrolment/registration:

Bidders are advised to complete well in advance online enrolment / registration in the portal by following due process prevalent at that time.

3. Bid Submission:

- 3.1. The server time (which is displayed on the bidders' dash board) shall be considered as the standard time for referencing the deadlines for submission of the document by the bidders.
- 3.2. Bidder, in advance, should go through the notice inviting tender / advertisement, tender &its related document(s) carefully to understand the requirements of the tender and various documents that are required to be submitted as part of the bid.
- 3.3. In case of any clarifications pertaining to the tender, bidders are advised to check with concerned procuring authority in advance so that they can participate in the tender well within scheduled due date/time. Regarding any clarifications on the technical related matter in using the portal, same may

kindly be get clarified from help desk facility or any other established technical support mechanism prevalent at that time.

- 3.4. Bidder, in advance should get ready with the required bid document(s) having correct file format / acceptable file name / optimal file size that are acceptable for online bid submission.
- 3.5. Generally, the permitted file format in the portal are pdf / xls / rar/dwf/ jpg formats. Filename should not contain special characters like &,comma etc. File size of the bid documents can be reduced by scanning of bid documents with 100 dpi with black and white option and also some time it may require to increase local Java Runtime Environment memory at bidder end computer, while uploading bid document having huge size.
- 3.6. Mail/SMSs alerts are in-built in the eProcurement portal as an additional feature to inform procuring entities as well as bidders on various events that are happening in the portal. However, delivery of such mail/sms to concerned individual will always depends on the configuration of individual account in the portal, receiver's mail / sms server, mail box / mobile capacity and other factors. Hence, bidders are also advised to visit the website/portal regularly till bid submission due date/time to keep themselves updated and to act upon with respect to changes/modification deemed fit in any manner carried out in the tender by concerned procuring authority.
- 3.7. As bidder have been provided with the facility to submit bid documents at any time and also resubmit any number of times till bid submission due date/time, bidders are advised to submit their bid complete in all respect (free from virus/uncorrupted file/ correct file format/ right file size capable enough to upload from the bidder system) well in advance before the last date/time of the bid submission to avoid the last minute hassles.
- 3.8. Most importantly bidders are advised to get an acknowledgement containing Bid ID along with other vital information indicating successful submission of bids from the portal by following due process (like Freezing of Bid).
- 3.9. If a bidder withdraws their already submitted bid against a tender in the portal, then the bidder will not be allowed to participate in the same tender once again.
- 3.10. The bid documents submitted by the bidders are encrypted using PKI Technology involving digital signature certificates of pre-designated bid openers of the procuring entity to ensure the secrecy of the data. The encrypted bids are stored safely and securely in the server. Only designated bid openers shall be able to decrypt and open the bid on or after the pre-defined bid opening date/time. These assure bidders that their bids are kept confidential, safe and secure.
- 3.11. Bidders are advised to complete the online payment (if applicable) for Tender Fee, EMD and other fees well in advance at least one day in advance prior to the bid submission due date/time.

- 3.12. In case exemption is claimed on account of Tender Fee/EMD/others, then the bidders are advised to doubly check all entries and ensure exemption details are correctly entered. The exemption details cannot be changed once it is confirmed by clicking on "Confirm" button or any process prevalent at that time and leaving that page.
- 3.13. As the banker of the bidder will take their own time for payment processing / clearing, the bidder can use the "Payment Verification" button or any other process prevalent at that time to check the completion of the online payment process from the bank to the eProcurement portal. Only upon successful receipt of online payment, bidder can able to freeze / finally submit their bid to the procuring entity and get bid acknowledgment regarding successful bid submission.
- 3.14. All users have to note that after logging into the portal, https://eprocure.gov.in/eprocure/app, if the user is not doing anything in the portal i.e. idle for more than 20 minutes continuously then the system will automatically logout the user and they will have to login again to carry out any activity in the portal.

Method for submission of bid documents.

In this tender, the bidder has to participate in e-tender online. Some documents are to be submitted physically offline.

- A) Tender must be submitted online in two parts,
 - (a) Technical bid (Cover-1) and (b) Price bid (Cover-2).

Tenderers have to <u>upload</u> the following documents in CPP Portal https://eprocure.gov.in/eprocure/app.:

- i) GST Registration Certificate along with acknowledgement of up to date filed return.
- ii) Latest valid licenses like Trade License, ESI, and EPF, etc. whichever is applicable.
- iii)Requisite Credentials as mentioned above.
- iv) Latest Bank Solvency Certificate Solvency amount should be 30% of estimated cost obtained from the banker and/or its bank statement. The solvency certificate shall not be older than one year from the tender opening date.
- v) Aadhar Card, PAN Card
- vi) Latest IT returns (21-22, 20-21 & 19-20)
- vii) Scanned Copy of a single Demand Draft of requisite value for the Bid Security/EMD as per NIT.
- viii) NSIC/MSME Registered bidders who want to claim the EMD exemption need to submit the Scanned copy of Latest and valid NSIC/MSME Certificate for the same nature of works in place of the DD of the EMD.
- ix) The bidders who have deposited the cost of tender in 1st call need not deposit the same for reparticipation. In that case the previously submitted tender cost bank transaction can be uploaded for claiming the tender cost exemption.
- x) The bidder must sign in all pages of tender documents and Proforma Agreement as acceptance indicating read, understood and accepted the Terms & Conditions mentioned in tender document, general terms of the contract and Proforma Agreement. A company declaration with sign and company seal/stamp with date stating acceptance of all the terms and conditions provided in Notice Inviting Tender and General Conditions of Contract is mandatory.
- xi) The rates of item are to be put in the Price Bid BOQ from the cover 2 (Financial Bid) as given in numerical value only. The price bid BOQ will be in .xls format in the portal https://eprocure.gov.in/eprocure/app only.

- B) The bidder shall submit the following documents offline in Physical to Maintenance Section, NIT Durgapur on or before the date & time of submission of bids specified in NIT, in a sealed Envelope. The envelope shall bear (the tender name), the tender number and the words "DO NOT OPEN BEFORE" (due date & time).
 - i) Original Demand Draft (DD) drawn in favor of NIT Durgapur, payable at Durgapur, issued by any scheduled bank towards the payment of total Bid Security/EMD as per NIT through a single Demand Draft which to be deposited on or before of bid submission date. NSIC registered MSME bidders who want to claim the EMD exemption need to submit the attested copy of the latest and valid MSE certificate in place of the DD of the EMD.
 - ii) Earnest money as mentioned, is to be deposited along with tender, in the form of an A/C payee demand draft in favour of "National Institute of Technology, Durgapur" payable at SBI, NIT Durgapur branch Durgapur-713209 and to be enclosed with in part "A" of the tender.
 - iii) Bank details for online payment of non-refundable tender fees as mentioned:

Division/ Department (If any)	Name of Account Holder	Name of the Bank	Account Number	Bank Branch/IFSC Code	MICR Code
NATIONAL INSTITUTE OF TECHNOLOGY DURGAPUR	NIT (DURGAPUR) SOCIETY	STATE BANK OF INDIA	11520034072	SBIN0002108	713002204



General Terms and Conditions:

- 1) EMD and cost of tender paper are exempted for bidders having certificate from NSIC/MSME.
- 2) The bidders who have deposited the cost of tender in 2nd call need not deposit the same for reparticipation. In that case, the previously submitted bank transaction details can be uploaded for claiming the tender cost exemption.
- Bidders can also download and get necessary information regarding tender documents from https://eprocure.gov.in/eprocure/app.
- 4) This AMC includes material supply if required. The brand of material to be used for the AMC must be approved by Engineer In-Charge.
- The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed there under and other labour laws affecting contract labour that may be brought into force from time to time.
- 6) Tender calling authority reserves the right to cancel any tender or close agreement any time without giving any reasons.
- Bids with unconditional rebates may be accepted but conditional tenders will be summarily rejected.

Sometimes issue of Corrigendum may be necessary to clarify doubts raised or to make some corrections. All such corrigendum shall be displayed on website https://eprocure.gov.in/eprocure/app and NIT Durgapur website www.nitdgp.ac.in The bidders are therefore advised to refer to this site from time to time to keep them updated.

Note 1: The Bidder has to upload the Scanned copy of all above said documents during Online Bid-submission also, in CPP Portal, i.e., https://eprocure.gov.in/eprocure/app
Note 2: Number of Cover is one for technical bids and the other one for financial bids.

- 8) The non refundable Cost of tender document is Rs.500/- to be deposited by online payment mode only. Details of bank is mentioned above. The bidders who have deposited the cost of tender in 2nd call need not deposit the same for re-participation. In that case the previously submitted tender cost bank transaction can be uploaded for claiming the tender cost exemption.
- 9) EMD amount as mentioned in NIT is to be deposited in the form of Demand Draft/ Banker's Cheque payable at Durgapur and drawn in favor of NIT Durgapur, West Bengal, otherwise the tender is liable for rejection.
- 10) Performance Guarantee: The successful bidder.

The Contractor shall submit an irrevocable Performance Guarantee of 3%. If EMD is deposited then that will be adjusted against a part of Performance Guarantee. This guarantee shall be in the form of Cash (in case guarantee amount is less than Rs.10,000/-) or Deposit at Call receipt of any scheduled Bank/Banker's Cheque/Demand Draft/Pay Order of any scheduled bank (in case guarantee amount is greater than Rs.50000/-) or accordance with the form annexed hereto.

The Performance Security is a Part of the Security Deposit (SD). The Total SD = 10%. While Performance Security is deposited within a stipulated day as mentioned above, the rest of the SD i.e. 7% will be deducted in instalments from each R/A bill. No preference will be given to NSIC/MSME

firms on SD/PG.

- i) The Performance Guarantee shall be initially valid up to the stipulated date of completion plus 365 days thereafter. In case the time for completion of work gets enlarged, the Contractor shall get the validity of Performance Guarantee extended to cover such enlarged time for completion of work. After recording of the completion certificate for the work by the competent authority, the performance guarantee shall be returned to the Contractor, without any interest.
- ii) The Employer shall not claim under the performance guarantee except for amounts to which the Employer is entitled under the contract (not withstanding and/or without prejudice to any other provisions in the Contract) in the event of:
- a) Failure by the Contractor to extend the validity of the Performance Guarantee as described herein above, in which event the employer may claim the full amount of the Performance Guarantee.
- b) Failure by the Contractor to pay the Employer any amount due, either as agreed by the contractor or determined under any of the Clause/Conditions of the Contract, within 30 days of the service of notice to this effect by Employer.

iii) In the event of the Contract being determined or rescinded under provision of any of the Clause/Condition of the Contract, the performance guarantee shall stand forfeited in full and shall be absolutely at the disposal of the Employer.

All compensations or the other sums of money payable by the Contractor under the terms of this contract may be deducted from, or paid by the sale of a sufficient part of his security deposit or from the interest arising there from, or from any sums which may be due to or may become due to the Contractor by the Employer on any account whatsoever and in the event of his Security Deposit being reduced by reason of any such deductions or sale as aforesaid, the Contractor shall within 10 days make good in cash or fixed deposit receipt tendered by the State Bank of India or by Scheduled Banks or Government Securities (if deposited for more than 12 months) endorsed in favour of the Employer, any sum or sums which may have been deducted from, or raised by sale of his security deposit or any part thereof. The security deposit shall be mentioned above and the Earnest money if deposited in cash at the time of tenders will be treated a part of the Security Deposit.

Note- 1: Government papers tendered as security will be taken 5% (five per cent) below its market prices or at its face value, whichever is less. The market price of Government paper would be ascertained by the Employer at the time of collection of interest and the amount of interest to the extent of deficiency in value of the Government paper will be withheld if necessary.

Note -2: Government Securities will include all forms of Securities mentioned in rule No.275 of the G.F. Rules except fidelity bond. This will be subject to the observance of the condition mentioned under the rule against each form of security. The performances Guarantee shall be continuous and revolving for the warranty period. In case, the Bank Guarantee shall be replenished by an equal amount within 15 days by the contractor.

11) Earnest Money and its Conversion to Security Deposit:

Earnest Money Deposit* (EMD) = Rs. 4,900.00 is a part of security Deposit (SD) of 10 % of the bid value of the work through PG = 3% as stated in (i) above. Such Deductions will be made and held by Institute by way of Security Deposit unless he / they has/have deposited the amount of Security at the rate mentioned above in cash or in the form of Government Securities or fixed deposit receipts. SD will beheld for 365 days after completion of work, during which the contractor is responsible for attending and rectifying all complains on his work). Earnest Money is to be deposited as DD or Bank Guarantee on any nationalized bank, which will be returned to the unsuccessful bidders within 30 working days after finalization of bid. For NSIC/MSME firms EMD is exempted though there is no exemption or preference in i) bid value, ii) Performance Security (3%) and iii) Security Deposit (=10%) for those having certificate of NSIC/MSME.

In case the contractor fails to deposit the said performance guarantee within the period as indicated

above, the Earnest Money deposited by the contractor shall be forfeited automatically without any notice to the contractor.

- 12) The contractor shall comply with all the provisions of the Minimum Wages Act, 1948, and Contract Labour (Regulation and Abolition) Act, 1970, amended from time to time and rules framed there under and other labour laws affecting contract labour that may be brought into force from time to time.
- 13) Tender calling authority reserves the right to cancel any tender or close agreement any time without giving any reasons.
- Bids with unconditional rebates may be accepted but conditional tenders will be summarily rejected. Sometimes issue of Corrigendum may be necessary to clarify doubts raised or to make some corrections. All such corrigendum shall be displayed on our institute website NIT Durgapur website. The bidders are therefore advised to refer to this site from time to time to keep them updated.
 - On request, the gate pass will be provided by NITD for taking the pumps/motors outside for servicing or any other works on returnable basis (If required)
- 16) Details of Installed Pump Location, Type of Pump, Rating, Make & Quantities are given in Annexure- I.
- 17) SCOPE OF WORKS is given in Annexure- II.

Annexure - I
Details of Installed Pump Location, Type of Pump, Rating, Make & Quantities NIT

SI No	Location	Type of Pump	HP	Make Name	Quantity
1	Hall-1	Mono-block	3	Kirloskar	5
2	Hall-2	Mono-block 3		Kirloskar	5
3	Hall-3	Mono-block 3		Kirloskar	3
4	Hall-4	Mono-block	3	Kirloskar	4
5	Hall-5	Mono-block	3	Kirloskar	6
6	Hall-6	Mono-block	3	Kirloskar	1
7	Hall-7	Mono-block	3	Kirloskar	2
8	Hall-8	Mono-block	3	Kirloskar	1
9	Hall-10	Mono-block	3	Kirloskar	1
10	Hall-10	Submersible	7.5	Kirloskar	2
11	Hall-11	Submersible	7.5	Kirloskar	2
12	Hall-12	Submersible	7.5	Kirloskar	4
13	Hall-13	Submersible	7.5	Kirloskar	2
1.4	Hall-14/1250	Mono-block	KW(HP)	Windon dram	2
14	Boy's Hostel	(Induction Motor)	37.0(50.00)	Kirloskar	2
15	Medical Unit	Mono-block	3	Kirloskar	1
15	G+8	Submersible	7.5	Kirloskar	2
16	G+1 (Market Complex)	Submersible	5	Kirloskar	1
17	New Guest House	Submersible	7.5	Kirloskar	2
18	Biotech Building	Submersible	7.5	Kirloskar	2
19	New Academic Building	Submersible	7.5	Kirloskar	2
20	SN Roy Building	Mono-block	3	Kirloskar	1
21	Old Canra Bank front side	Mono-block	3	Kirloskar	1
22	Main Academic Building front Fountain	Submersible DURGA	PUR 5	Kirloskar	2
23	Under Main Overhead tank /DSP water storage tank	Submersible	5	Kirloskar	1
24	Old Guest house Fountain	Submersible	5	Kirloskar	1
25	Near Hall-9 Reservoir DMC water supply	Mono-block (Induction Motor)	KW(HP) 22.0/30.00	Kirloskar	2
26	New Auditorium	Submersible		Kirloskar	2
27	SAC	Submersible	5	Kirloskar	2
28	Tullu Pump (New Academic)	Tullu Pump	Tullu Pump	Kirloskar	1
29	Tullu Pump (Hall- 14)	Tullu Pump	Tullu Pump	Kirloskar	1
30	TS Type Building	Mono-block	3	Kirloskar	1
31	Hall-09	Mono-block	3	Kirloskar	1

Total Mono-block type pump = 37 nos.

<u>Total Submersible type pump = 27 nos.</u>

Tullu Pump= 2 Nos.

Total Nos. of all type Pumps= 66

Annexure - II SCOPE OF WORK

Repair/Servicing Details of Pump Mono- Block/ Submersible

- 1. Replacing of water seal
- 2. Replacing of piston Coil
- 3. Replacing of Coil Winding
- 4. Replacing of Bearing and Bush
- 5. Replacing of full thread nut & Bolt with washer
- 6. Replacing of Gland packing
- 7. Maintain of proper Greasing
- 8. Proper cleaning inside the pump
- 9. Replacing the fan blade & Cover
- 10. Proper checking of Suction & Delivery line
- 11. All pumps sets will be started and all electrical & mechanical parts will be checked.
- 12. Alignment of pump set will be done & checked and in case of any abnormality is found rectification has to be carried out.
- 13. All the pumps must be thoroughly overhauled at least once in a year without any extra charges.
- 14. Defective pumps to be dismantled by the contractor at their own expense and alternate spare pump(s) will be provided by the Maintenance Section which will be installed by the contractor.
- 15. Electrical starter has to be checked for tightness /cleaning, repairing of any bearing including supply of any material if required.
- 16. Half-yearly minimum one time painting with primer (All types of pump) and any other relevant works if required. *(Primer One Coat per painting area and two coat paint)
- 17. Preventive Maintenance/Servicing works at least twice in a year.
- 18. The contractor must respond to any breakdown within 24 hours and complete the repairer in 48 Hours.
- 19. The supply of grease, lubricants and any other consumable items will be in the scope of the contractor.

<u>ANNEXURE – III</u> LIST OF PREFERED MAKES.

- 1. The Contractor shall obtain approval from the Engineer-In-Charge before placing order for any specific material or engaging any of the specialized agencies.
- 2. Wherever applicable. The Engineer-In-Charge may approve any material as per OEM/ equivalent to that specified in the tender subject to proof being offered by the Contractor for equivalence to his satisfaction.

SI. No.	Description of Material	Make
1	Winding Wire Grade 1 Super Enamelled Copper Wire	RR/ Shramik/ Eqv.
2	Bearing	NBC / SKF/ Nachi
3	Primer/ Paint (Red Oxide & Synthetic Enamelled)	Asian/ Berger/ Nerolac.

