Bharat Heavy Electricals Limited

(A Govt. Of India Undertaking)

Ref. Enquiry No.: PE/PG/KOD/E-6291/2019 Dated: 22.08.2019

DUE DATE	
02 SEPTEMBER 20	19
By 02.00 P.M	

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Subject :- N.I.T- ENQUIRY FOR LT SWITCHGEAR (NETWORKING HARDWARE FOR DATA- CONCENTRATOR AND NUMERICAL RELAYS) as per Specification mentioned in BOQ cum Price Schedule for 2 X 500 MW KODERMA TPP.

We are pleased to invite your offers in two parts strictly as per Clause-2.0 of GCC Rev- 06 of the enclosed instructions to bidders via <u>*E*</u> -procurement (https://bhel.abcprocure.com) under mentioned equipment's /system.

BHEL invites offers from reputed Vendors (refer requirements given in this enquiry letter uploaded on E-Procurement Portal (https://bhel.abcprocure.com) under Tender Reference for Design, Manufacture, Inspection and testing at Manufacturer's works, proper packing, delivery to site for LT SWITCHGEAR (NETWORKING HARDWARE FOR NUMERICAL RELAYS), for **2 X 500 MW Koderma TPP** as specified/ defined as per tender documents & specification mentioned in BOQ cum Price Schedule, amendment & agreements till placement of order.

Detailed scope of work & details shall be as per tender documents and other details hosted on above websites.

SI. NO.	ITEM DESCRIPTION.	Quantity	Delivery
1	LT SWITCHGEAR (NETWORKING HARDWARE FOR NUMERICAL RELAYS)	As per BOQ cum Price Schedule	As per cl no. 14 below

Your best quotation/offer for the above requirement, in line with our terms and conditions, should be uploaded in e-procurement Portal. It shall be the responsibility of the bidder to ensure that the tender is uploaded on or before the due date and time. Part-I bids shall be opened at **03.00 P.M** on due date & time through e-procurement Portal.

Note: 1. Detailed tender documents have been uploaded at the following websites.

https://eprocure.gov.in/cppp/ https://bhel.abcprocure.com/EPROC/ www.bhelpem.com www.bhel.com

Bidders are requested to upload their best offer on https://bhel.abcprocure.com only.

- 1. <u>Terms and Conditions:</u> <u>Please refer GCC (Rev. 06) which is available on www.bhelpem.com/Tenders.aspx.</u> GST related corrigendum to GCC (Rev. 06) is enclosed and same is to be considered along with (GCC Rev.06). Bidders are requested to go through the same while submitting the offer.
 - 1.1 Bidders shall upload their offers meeting the requirements of the following tender documents (enclosed) and other Terms and Conditions included in this Enquiry Letter:
 - Part-I: Techno-Commercial Bid: Comprising of technical offer, Annexure-I of GCC Rev 06, Commercial terms and conditions, unpriced copy of price bid and Annexure-II of GCC Rev 06
 - Part-II: Price Bid: Containing prices, cost of withdrawal of deviation (As per Annexure-II of GCC Rev 06), to be uploaded, strictly, as per price schedule of BHEL for complete scope of Tender enquiry.
- Bidders shall submit their offers meeting the requirements of the following tender documents indicated in GCC (Rev. 06) and other Terms and Conditions included in this Enguiry Letter:
- 3. Bidders to note that following form the part of tender documents:
 - a. General Conditions of Contract (GCC) Rev 06 comprising of: Instructions to Bidders and General Commercial Terms & Conditions and GST related corrigendum to GCC Rev06
 - b. Technical Specifications as per BOQ cum Price schedule.
 - c. Technical PQR
 - d. Price format & Special Conditions of Contract (SCC Rev. 01).
 - e. Enquiry terms & conditions
- 4. Any hidden conditions/deviations mentioned elsewhere in offer and standard pre-printed terms & conditions of the tenderers shall not be considered valid.



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- 5. Tenders shall be submitted strictly in accordance with the requirements of the above mentioned tender documents. Deviations (Technical as well as Commercial), if any, shall be listed out separately in Annexure-II of GCC Rev-06 (to be read in conjunction with GST related corrigendum to GCC (Rev. 06) along with reasons for taking such deviations. Any deviations (Technical as well as Commercial) not mentioned in the Annexure-II shall not be considered. Bidders to note all the points mentioned in "Notes" of Annexure-II to GCC Rev.06 along with GST related corrigendum to GCC Rev.06.
- 6. Bidder has to submit "NO DEVIATION CERTIFICATE FOR COMMERCIAL TERMS AND CONDITIONS as per General Conditions of Contracts (GCC, Rev.06), Special Conditions of Contract and Notice Inviting Tender (NIT)" in case of no deviations.
- 7. Standard pre-printed terms & conditions of the tenderers shall not be considered valid.
- 8. If any bidder has mentioned the term Not Applicable / not required / not quoted in BHEL price format, the same to be substantiated by the bidder. If such item is required to be supplied for system completion in future, same will be supplied free of cost by Vendor.
- 9. In case there is no change in the technical scope and / or specification and / or commercial terms and conditions, the bidder/s shall not be allowed to change his / their price bids after the due date within the validity period.
- 10. Any other taxes & Duties applicable on the date of bid but not quoted by the bidders shall be to bidder account.
- 11. Purchaser shall be under no obligation to accept the lowest or any other tender and shall be entitled to accept or reject any/all tender(s) in part or full without assigning any reason whatsoever.
- 12. Tenderers must enclose the Quality Plan in the prescribed format, for approval. Equipment will be despatched only after Purchaser's/Owner's inspection at the hold points specified in the approved Quality Plan and issue of Material Despatch Clearance Certificate (MDCC).
- 13. Offers should be submitted separately in two parts **online through e-procurement system only**, however, all correspondence thereof, shall be addressed to the undersigned by name & designation and sent at the following address:

RAJEEV RANAJN, Dy. Engr, PG-III	SHRI PRAKASH YADAV, Dy. Mgr, PG-III
M/s. Bharat Heavy Electricals Ltd.,	M/s. Bharat Heavy Electricals Ltd.,
Project Engineering Management,	Project Engineering Management,
Power Project Engineering Institute,	Power Project Engineering Institute,
HRD & ESI Complex,	HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301, U.P., INDIA	Plot No 25, Sector-16 A, Noida-201301, U.P., INDIA
E-MAIL: ranjanrajeev@bhel.in	E-MAIL: spyadav@bhel.in
Ph. No. +91-120-4368838; Mob: +919968879839	Ph. No. +91-120-4213621, Mob: +919911775641

- 14. Delivery Terms: Three (03) months from the date of drawings/documents approval in CAT -1 issued by BHEL/Customer. Successful bidder to make 1st submission of drawing/docs within two weeks from the date of PO. Vendor to re-submit drawings/documents taking care of all within 10 days of BHEL/Customer Comments. Any deficiency in documents submitted w.r.t. agreed specification/ comments from BHEL shall be treated as non-submission and number of days delay in submission of complete documents during approval process, on account of this, would be reduced from the delivery. The vendor shall be responsible for getting approval from BHEL as early as possible and BHEL will support the process, in full, within above time frame and terms & conditions
 - 15. Payment terms for Supply shall be as per Cl. 9.1 of corrigenda to GCC (Rev. 06).
 - 16. Technical Specification is Part of BOQ-Cum-Price Schedule hence, no separate technical specification is required. Same shall be made part of NIT.
 - 17. Bidders have to quote freight charges in percentage of their quoted Total Ex-works prices
 - 18. Overall (%) quantity variation on overall package value due to changes in the scope shall be as per clause no. 6.0 General Commercial Terms & Conditions of GCC (Rev. 06).
 - 19. Evaluation shall be done on overall L1 basis (Total cost to BHEL) excluding GST quoted by bidders (with necessary loading as applicable) only.

20	Pre-Qualifying Requirement:
20.	Pre-Qualifying Requirement:
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	अण्य स्थानम् (पा आता) स्थिद्विद्वल्य लिमिटेडं/Bharat Horry भाषा स्थी इसेविद्वल्य लिमिटेडं/Bharat Horry भाषा स्थी इसेविद्वल्य लियोजना अभियतिको स्थान पावर सेवटर-पारियोजना अभियतिको स्थान
	भाषा स्वी स्वेदिकल्स लिमिटेड / Binard स्वाय भाषा स्वी स्वेदिकल्स लिमिटेड / Binard स्वाय पावर सेवटर-परियोजना अभियत्रिका स्वाय Power Sector-Project Engineering Management म्वन, एव.आर. ही आई. एवड इंएसआई संवयतेका म्वन, एव.आर. ही आई. एवड (Complex, भाषा, प्रथा, पर, ही आई. एवड (Complex, भाषा, प्रथा, पर, ही आई. एवड (Complex,
	भारत हो। इसेंबिट्रकली अपियोजना आपयो Managamun पावर सेवटर-परियोजना आपयो Managamun Power Sector-Project Engineering Managamun Power Sector-Project Sints, एउड इएसआई सामयोगमा प्रायोगमंत्राई भवन, एव.आर.ई. 8 ESI Complex, प्रायोगमंत्राई भवन, एव.आर.ई. 8 ESI Complex, DPEI Bidg, H.R.D.1.8 ESI Complex, 201301
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	Power Sector-Project Power Sector-Project आई. एख इएलामाल, पीपीईआई भवन, एख आर.डे.आई. Complex, PPEI Bidg, H.R.D.1. & ESI Complex, PPEI Bidg, H.R.D.1. & ESI Complex, PPEI Bidg, H.R.D.1. & Cold - 201301
	Power भवन, एव आर. 8. D.I. & ESI Company प्रावर्म्झाई भवन, एव आर. 8. D.I. & ESI Company PPEI Bidg, H.R.D.I.
	25, Sec. 10 / 11

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Bidders are requested to furnish the details as per "TECHNICAL PRE-QUALIFYING REQUIREMENTS" (enclosed with the enquiry document). Along with the offer, bidders to furnish all legible & valid documents required as per Technical PQR. The same shall be properly co-relating with respective clause of PQR. Bids of only those bidders, who meet the Technical pre-qualifying requirements, shall be evaluated.

- 21. Bidder to note that this is a Conditional Open Tender enquiry and the price bid (Part-II) opening/RA participation shall be subject to Techno-commercial recommendation by BHEL.
- 22. For registration in BHEL PEM Online registration portal is operational; Non-registered Vendors who wish to apply for registration in BHEL-PEM can apply through Online Registration Portal available at www.bhelpem.com Online Supplier Registration. All credentials and/or documents duly signed and stamped \rightarrow vendor section \rightarrow related to registration has to be uploaded on the website and submit the application for registration. One set of hard copy of the filled-up SRF downloaded from Online Registration Portal duly signed and stamped has to be submitted. Above shall be part of NIT.
- 23. L1 bidder will have to submit BG as per format enclosed with Enquiry Letter (NIT) instead of format mentioned in GCC, Rev.06. (If applicable).
- 24. CIF content: Not Applicable.
- 25. PVC is not applicable for this package.
- 26. "BHEL reserves the right to go for Reverse Auction (RA) (Guidelines as available on www.bhel.com) instead of opening the sealed envelope price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. Bidders to give their acceptance with the offer for participation in RA. Non-acceptance to participate in RA may result in non-consideration of their bids, in case BHEL decides to go for RA.

Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit `Process compliance form' (to the designated service provider) as well as `Online sealed bid' in the Reverse Auction. Non-submission of 'Process compliance form' or 'Online sealed bid' by the agreed bidder(s) will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com).

The bidders have to necessarily submit online sealed bid less than or equal to their envelope sealed price bid already submitted to BHEL along with the offer. The envelope sealed price bid of successful L1 bidder in RA, if conducted, shall also be opened after RA and the order will be placed on lower of the two bids (RA closing price &envelope sealed price) thus obtained. The bidder having submitted this offer specifically agrees to this condition and undertakes to execute the contract on thus awarded rates.

If it is found that L1 bidder has quoted higher in online sealed bid in comparison to envelope sealed bid for any item(s), the bidder will be issued a warning letter to this effect. However, if the same bidder again defaults on this count in any subsequent tender in the unit, it will be considered as fraud and will invite action by BHEL as per extant guidelines for suspension of business dealings with suppliers/ contractors (as available on www.bhel.com)."

IMPORTANT INSTRUCTION TO BIDDERS IN CASE OF REVERSE AUCTION

The Bidders has to quote the Single Price (i.e. Total Cost to BHEL i.e. Grand total FOR site excluding GST) in Reverse Auction. Price are to be inclusive of Packing & Forwarding charges, all the routine & type tests as per tender scope, Freight charges, Insurance charges (if applicable), Cost of withdrawal (if any), including loading (if any), De-loading (if any) shall be done in line with NIT terms

27. Link for RA guidelines to be followed as:

http://www.bhel.com/vender_registration/pdf/Guidelines%20for%20Reverse%20Auction-2016.pdf

- 28. Risk and Cost Purchase clause: 5% overhead charges to be considered instead of 30% (presently in GCC Rev 06 clause no 26.2(b)).
- 29. Bid should be free from correction, overwriting, using corrective fluid, etc. Any interlineation, cutting, erasure, or overwriting shall be valid only if they are attested under full signature (s) under of person (s) signing the bid else bid shall be liable for rejection". Price should be mentioned in figure & words also.
- 30. If any bidder uploads price bid in the unpriced section (techno-commercial attachment page) of the tender in eprocurement, in that case bidder(s) shall only be responsible for such mistake and any consequences thereof. Page 3 of 5

उप प्रबंधक (पी.जी.III) / Dy. Manager (PG-III) ोवी इलेक्ट्रिकल्स लिमिटेड / Bharat Heavy El पावर सेक्टर-परियोजना अभियंत्रिकी प्रव -Project Engineering M

Bharat Heavy Electricals Limited

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Hence all bidders are requested to be more careful at the time of uploading the Unpriced and Price Bid for Part-I and Part-II respectively to avoid mismatch.

- 31. All corrigenda, addenda, amendments, time extensions, clarifications etc. to the tender will be hosted on BHEL websites only (www.bhelpem.com., www.bhel.com & https://bhel.abcprocure.com) under subject tender reference. Bidders may go through the Sellers' manual & Help documents provided on E-Procurement Portal website & obtain required Digital Signature Certificate for participating in the subject Tender. For Bidders' convenience, the Helpdesk Nos. of E-Procurement Portal are also attached along with this NIT (File name Annexure H Instruction regarding E-procurement)
- 32. All the tender documents shall automatically become a part of the Order/Contract after its finalization.
- 33. The bidder along with its associate/collaborators/sub vendor/subcontractors/sub vendors/consultants/ service providers shall strictly adhere to BHEL fraud Prevention Policy displayed on BHEL website <u>www.bhel.com</u> and shall immediately bring to the notice of BHEL Management about any fraud or suspected fraud as soon as it comes to their notice.

BHEL Fraud prevention policy is also uploaded in vendor's section on <u>www.bhelpem.com</u>. <u>https://www.bhelpem.com/Documents/BHEL%20Fraud%20Prevention%20Policy%20and%20Nodal%20Officers.pdf</u>

- 34. In case of joint bidding, Bidders shall be required to furnish scope matrix which should be clearly defined between foreign bidder and their Indian representative along with the offer for the Main Supply and Erection & Commissioning.
- 35. "For this procurement, Public Procurement (Preference to Make in India), Order 2017 dated 15.06.2017 & 28.05.2018 & 29.05.2019 and subsequent Orders issued by the respective Nodal Ministry shall be applicable even if issued after issue of the NIT but before finalization of contract/ PO/WO against the NIT. In the event of any Nodal Ministry prescribing higher or lower percentage of purchase preference and / or local content in respect of this procurement, same shall be applicable. Vendors are requested to go through the above mentioned orders and cconfirm the following:"

The local supplier at the time of tender, bidding or solicitation shall be required to provide self-certification that the item offered meets the minimum local content as per above mentioned orders and shall give details of the location(s) at which the local value addition is made.

Further, for implementation of make in India Guidelines & circulars, please note the following;

- i) Minimum local content for this package is 100% as prescribed by nodal ministry.
- ii) Nature of package is "Divisible'
- iii) Margin of Purchase Preference shall be 20%.
- iv) Procedure for preference to Make in India shall be as per clause no. 3-a of public procurement (preference to Make in India), order 2017, dt. 15.06.17, 28.05.2018, 29.05.2019 & subsequent order/amendment if any.
- 36. MSME/Start up Vendors to submit applicable documents along with their offer for availing the benefits as per GOI guidelines. Further BHEL-PEM is already registered with RXIL(TReDS) Platform. Bidders are requested to get registered with RXIL(TReD\$) Platform to avail the facility as per GOI guidelines.
- 37. Bidder to note Model CONCILIATION SCHEME under BHEL, Conciliation Scheme, 2018 as available at bhelpem website at Tender section Important Instruction for Bidder and also is the part of NIT.
- 38. The offers of the bidders who are on the banned list and also the offers of the bidders, who engage the services of the banned firms, shall be rejected. The list of banned firms is available on BHEL website http://www.bhel.com.
- 39. Digital Signature: Bidders participating in subject tender will necessarily have to buy class III DSCs (Digital Signature Certificate) issued by the certifying authorities in India. Basic procedure /checklist is uploaded on www.bhel.com" for participating in subject tender enquires through e procurement.
- 40. All the terms & condition of SCC (Rev. 01) of Project, NIT, GCC (Rev-06) & corrigendum to GCC (Rev. 06) and Technical Specification shall be applicable for subject carkage



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- 41. Detailed offers are to be uploaded including the following along with the Price schedule as per BHEL format enclosed with NIT:-
 - Acceptance of GCC Rev-06 and corrigenda to GCC Rev 06 •
 - Acceptance of Special Conditions of Contract (SCC Rev. 01) for the project. .
 - **TECHNICAL Pre-Qualifying Requirement (PQR)** •
 - Technical & Commercial Deviations, if any alongwith Cost of withdrawal.
 - Along with your offer, please submit a copy of this letter duly signed & stamped on each page as token • of acceptance of terms & instructions conveyed.
 - Un-Priced price format duly filled in 'Quoted" or 'Q' in each column/row.

Note: Tenderer must submit UN-PRICED Price format duly filled mentioning the word "QUOTED" in place of actual price. The actual price is to be filled in separately and submitted in sealed price bid. Wherever GCC Rev06 is mentioned same is to be read in conjunction with GST related corrigendum to GCC (Rev06).

- Please contact to BHEL (via mail or phone) for any clarification (technical or commercial) at least one week before the due date (Techno-Commercial bid opening).
- Please note all correspondence from BHEL-PEM before part I opening, shall also be part of NIT. ٠

Thanking you, Yours faithfully,

Shri Prakash Y For and on behalf of BHEL-PEM 200/ क (पी.जी.॥)) पावर सेक्टर-परियोजना अमियात्रि Project Enginee Shri Prakash Vate एण्ड इएसउ (Dy. Mgr/PG-III/BHELSEM)

a) Enquiry Terms & Conditions b) BOQ cum Price Format /r c) Technic

- b) BOQ cum Price Format (Prices should be quoted in this format only)-
- Technical Specifications shall be as per BOQ cum Price schedule. c)
- d) SCC (Rev 01)
- e) Performance Bank Guarantee format.
- f) corrigendum to GCC (Rev.06).
- **TECHNICAL Pre-Qualifying Requirement (PQR)** g)
- Reverse Auction Guideline 2016. h)
- Cost of withdrawal (Deviations Sheet) for technical and commercial i)
- j) **BHEL CONCILIATION SCHEME, 2018**

		PROJECT:-1	PROJECT:- 2 X 500 MW KODERMA TPP	DDERMA	TPP								
		PACKAGE:- NETWORKING HARDWARE FOR DATA-	NETWORKING	HARDW	ARE FOF	R DATA- CON	CENTRATOR	PACKAGE: NETWORKING HARDWARE FOR DATA- CONCENTRATOR AND NUMERICAL RELAYS	AL RELAYS				
				107/1670	9 DUG. 27	6102.00.3							
बोम्पर सा 	ITEM CODE	BOQ CUM PRICE SCHEDULE FOR NETWORKING HARDWARE FOR DATA- CONCENTRATOR AND NUMERICAL RELAYS)	HSN CODE		о Т С	UNIT PRICE T (EX-WORKS) ((Rs.)-DULY PACKED	TOTAL PRICE (EX-WORKS) (Rs.)-DULY PACKED	Freight % of total ex-works price	FREIGHT CHARGES (Rs.)	TYPE OF GST	RATE OF GST (%)	GST AMOUNT ON (TOTAL EX- WORKS + FREIGHT)(Rs.)	TOTAL F.O.R SITE PRICE (Rs.)
S. No.	-	2	3	4	5	8	7	8	6	10	11	12	13
6. 6	506-11246-A	NETWORKING HARDWARE FOR NUMERICAL RELAYS											
٩		INDUSTRIAL GRADE ENGINEERING WORK STATION (HMI) WITH FOLLOWING SPECIFICATION 1. INTEL CORE I5, 3.2GHz, 3RD GEN. PROCESSOR 2. 2 X 4GB DDR3 MEMORY 2. 2 X 4GB DDR3 MEMORY 4. 1 X 500GB SATA HARD DISK DRIVE 4. 1 X 500GB SATA HARD DISK DRIVE 4. 1 X 500GB SATA HARD DISK DRIVE 4. 1 X 500GB SATA HARD DISK DRIVE 5. 2 X 10/100/1000 Mbps LAN ETHERNET PORT ON BOARD 6. DUAL ETHERNET CARD ON PCT 7. 8-USB PORT, 1 X VGA PORT 7. 9-USB PORT, 1 X VGA PORT 7. 9-USB PORT, 1 X VGA PORT 7. 1 1 POWER SUPPLY INPUT 1 10-230VAC 11. POWER SUPPLY INPUT 1 10-230VAC 12. CABLES AS REQUIRED 13. CTD6 TERMINAL BLOCK	8236	S.	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~								
		14. MAKE OFFERED BY BIDDER SHALL BE SUITABLE FOR COMMUNICATION(ON IEC-61850 PROTOCOL) WITH PREVIOUSLY INSTALLED RUGGEDCOM MAKE ETHERNET SWITCH, ABB MAKE NUMERICAL RELAYS (MODEL-REF615, REF541 & REM543) AND ADVANTECH MAKE DATA CONCENTRATOR SERVER. 15. MAKE:- TO BE PROPOSED BY BIDDER MEETING ABOVE SPECIFICATION AND INDUSTRIAL GRADE REQUIREMENT											
		INDUSTRALL GRADE ETHERNET SWICHES WITH FOLLOWING SPECIFICATION 1. IEC-61850 COMPLIANT 2. PORTR:S- 16 PORTS (14 R45 + 2 SM SC FO CONNECTOR), 100 Mbps FIBRE OPTICAL 100 T R345 10/100 BASE T(X) PORT 3. 12" RACK MOUNTED 4. DUAL POWER SUPPLY 5. 12 PORT LIU WITH ST CONNECTOR	Ĭ										
m		6. MAKE OFFERED BY BIDDER SHALL BE SUITABLE FOR COMMUNICATION WITH PREVIOUSLY INSTALLED RUGGEDCOM MAKE ETHERNET SWITCH, ABB MAKE NUMERICAL RELAYS (MODEL-REF615, REF541 & REM543) AND ADVANTECH MAKE DATA CONCENTRATOR SERVER 7. MAKE:- TO BE PROPOSED BY BIDDER MEETING ABOVE SPECIFICATION AND INDUSTRIAL GRADE REQUIREMENT	9 558	SON CONTRACTOR OF CONTRACTOR O	n								
U		OVER VOLTAGE CUT-OFF DEVICE FOR UPS 1. MAKE-MICRO SYSTEM SERVICES, 2. MAX LOAD 3KVA, I/P 230VAC, UPPER CUTOFF-275V AC AND LOWER CUT-OFF 130V AC	8536	NO.	1								
2.0		TOTAL LUMPSUM PRICE (Prices in FIGURE)											
3.0		TOTAL LUMPSUM PRICE (Prices in WORDS)											
	Chill	11110019											

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ANNEXURE-I