

“COURIER”

Project Engineering
Management

Bharat Heavy Electricals Limited
(A Govt. Of India Undertaking)



Enquiry No.: PW/PE/MM/MRS/Ukai/01 Date: 29.01.2009

DUE DATE: 3 weeks from date of publication in newspapers, by 2.00 PM

Subject: Tender Enquiry for MILL REJECT SYSTEM for 1X500 MW Ukai TPP.

Dear Sirs,

We are pleased to invite your offer in two parts strictly as per Clause-2.0 of the enclosed “**Instructions to Bidders**” in quintuplicate, in sealed covers for the under mentioned equipment/system.

Sl. No.	Description	Quantity	Delivery required
1	Design, engineering, manufacturing, inspection and testing, painting, supply/delivery duly packed at project site including freight , unloading, storage and handling at site, design & construction of structural and minor civil works at site etc, erection and commissioning, trial run at site, PG Test and handing over to the customer of Complete Mill Reject System in line with drawings/ documents/ test procedures approved by BHEL/Customer, inclusive of all prevailing taxes, duties and other levies for Mill Reject System complete with all accessories including erection and commissioning spares as required for the total scope defined as per technical specification PE-TS-294-160-A001 taking into account all clarifications, confirmations and agreements till date.	As per spec	Completion 31-12-09

Please note that price offer should be filled in BHEL enclosed format only with all columns duly completed and same should be put in sealed envelope.

Your best quotation/offer for the above requirement, in line with our terms and conditions, should either be delivered in person or sent by **COURIER/REGISTERED POST**, to the official inviting tender(s). It shall be the responsibility of the bidder to ensure that the tender is delivered on or before the **due date by 2 p.m.** Part-I bids shall be opened at **3 p.m.** on the due date in the presence of authorized representatives of the bidders, who may like to be present.

Please refer annexure-1 of price format enclosed for power loading figures/criterion for bid evaluation and penalty at the time of performance guarantee of the system.

Please reply to:
BHEL-PEM -Power Sector
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301 (U.P.)

Phone : 0120-4368500 EXT. 8711
Fax : 0120-4329026

Regd. Office :

BHEL House,
Siri Fort,
New Delhi-11049



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TERMS AND CONDITIONS

1. Enquiry No., due date etc. must be legibly super scribed on the sealed envelopes as per clause no. 2.0 of “Instructions to Bidders”.
2. Offers should be submitted in two parts in two separate sealed covers as follows:
Part-I: **TECHNO-COMMERCIAL BID containing offer (complete without price**
Part-II: **PRICE BID.**

For detailed instructions, please see clause no. 2.0 of “Instructions to Bidders (Vol.IA)”.

3. Bidders shall submit their offers meeting the requirements of the following tender documents (enclosed) and other Terms and Conditions included in this Enquiry Letter:
 - **ADDENDUM-I:** Letter to be furnished by the Bidders.
 - **ADDENDUM-II:** Agreed Terms & Conditions (confirmation to be given by Bidder in Part-I bid).
 - **DEFINITION OF TERMS.**
 - **Volume-I** : Comprising i) **Part-A** : Instructions to Bidders , ii) **Part-B** : General Commercial Terms & Conditions and iii) Special Conditions of Contract, if applicable.
 - **Volume-II** : Comprising i) **Part-A:** General Technical Conditions and ii) **Part-B:** Technical Specifications.
 - **Volume-III:** Schedules and Data Sheets.All the above Tender Documents shall automatically become a part of the Order/Contract after its finalisation.
4. Tenders shall be submitted strictly in accordance with the requirements of the above tender documents. Deviations (Technical as well as Commercial), if any, shall be listed out separately. Technical deviations and Commercial deviations shall be furnished in separate sheets under the headings “**TECHNICAL DEVIATIONS**” and “**COMMERCIAL DEVIATIONS**” respectively, along with reasons for taking such deviations.
5. Standard pre-printed terms & conditions of the Tenderers shall not be considered valid.
6. Validity of offer as per GCC rev 03 enclosed.
7. Unsolicited fresh/revised Price Bids shall not be entertained.
8. 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.
9. Purchaser reserves the right to split up the scope of the tender enquiry and place the orders for different scope/items with different bidders and also increase or decrease the quantity.
10. 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).
11. Late tenders are liable to be rejected.

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12. Tenders and all correspondence there of, shall be addressed to the undersigned by name & designation and sent at the following address:

M/s Bharat Heavy Electricals Ltd.,
Project Engineering Management,
Power Project Engineering Institute,
HRD & ESI Complex,
Plot No 25, Sector-16 A, Noida-201301 (U.P.)

Kind Attn: Sh DEVENDRA SHARMA / Dy Manager /MM/PG-III

13. In the event of any contradiction in the terms and conditions mentioned in the Special Conditions of the Contract and those mentioned elsewhere, stipulations mentioned in the Special Conditions of the Contract shall prevail.
14. Definition of Terms is also enclosed. These definitions will apply to all the tender documents including this Enquiry Letter.

In case you are not submitting an offer against this enquiry, you are requested to send a regret letter so as to reach us on or before the due date.

Yours faithfully,
For and on behalf of BHEL

(DEVENDRA SHARMA)
Dy Manager / MM-PG-III

NOTE:

- Enquiry is **conditional subject** to your approval from our customer and registration with BHEL, In case customer doesn't approve you or/and BHEL doesn't register you your price bid shall not be opened. Immediately submit your credentials to us for registration /approval.

Following Prequalification requirement shall be applicable:

- The bidder shall have executed Mill Reject System (Pneumatic System) of similar conveying capacity or handled similar material with particle size upto 25 mm and bulk density of 1300 kg/m³ at one plant with a capacity not less than 1000 kg/hr (per pipe), which shall have done minimum of two years of satisfactory operation as on date of bid opening. Bidders shall furnish user's certificate for satisfactory performance of such a plant with the offer.
- In case bidder himself does not meet the above PQR, they can quote based on the experience of their collaborator/associate who should have the requisite experience. In such case, the bidder shall be required to execute Joint Deed of Understanding (JDU) with his collaborator/associate for back up guarantee of the plant with additional bank guarantee/performance bond of amount equivalent to (five) 5% of the value of the plant in case being the successful bidder.

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Tender Enquiry (all documents other than technical spec) has also been uploaded on www.bhel.com and www.bhelpem.com websites.

Technical Documents Enclosed:

- a) Technical Specs for tender for Mill Reject System for the Project
- b) General Conditions of Contract-Rev 03
- c) Special Conditions of Contract
- d) Price format along-with annexure.

NOTE:

Please contact the under mentioned for collection of Technical Documents at nominal fee of Rs 2,000/- (all inclusive) per specification per project (in the form of DD favouring BHEL, Noida or in cash to be deposited at Cash counter, BHEL, PEM, Noida:

**Sh Devendra Sharma / Dy Manager,
PEM, BHEL, NOIDA, India
Phone: 91-120-4368711, 0120-4368639, 0120-4368730
Fax: 91-120-43290226, email- devendrasharma@bhelpem.co.in**

Please reply to:
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PEM / COMMERCIAL, BHEL, NOIDA
SPECIAL CONDITIONS OF CONTRACT (REV. 0)

1x490 MW UKAI THERMAL POWER STATION

These Conditions shall be read and construed along with General Condition of Contract enclosed along with the tender enquiry. In case of any conflict or inconsistency the condition given in SCC shall prevail over the GCC.

- | | | |
|-----|--|---|
| 1.0 | Project Name | 1x490 MW Ukai Thermal Power Station,
Unit no.6
Dist. Tapi
UKAI (Gujrat) |
| 2.0 | Consignee Address | The Chief Engineer (Generation),
Gujrat State Electricity Corp. Ltd.
1x490 MW Ukai Thermal Power Station,
Unit no.6, Dist. Tapi
UKAI (Gujrat) |
| 3.0 | BHEL Site Office Address | The Construction Manager,
BHEL site office
1x490 MW Ukai Thermal Power Station,
Unit no.6, Dist. Tapi
UKAI (Gujrat) |
| 4.0 | Mode of Dispatch | By Road on Door Delivery and freight Pre-Paid Basis |
| 5.0 | Road Permit Required | Yes |
| 6.0 | Prior Dispatch intimation to BHEL Site Office and Underwriters | Yes, one set consisting of LR / RR copy, Packing List/ Challan indicating the items dispatched (with their weights) and letter informing the underwriters about the value of consignment and dispatch details to be sent to:
a. BHEL Site office
b. Insurance co. |
| 7.0 | Transit Insurance | Following shall be required to be intimated to Underwriter :
(1) POLICY No.
(2) CONSIGNMENT DETAILS
(3) VALUE IN INR.
(4) FROM WHERE TO WHERE
(5) DATE OF DESPATCH
(6) CONSIGNEE NAME

Policy No. LATER
Underwriters LATER |
| 8.0 | Customer CST & VAT Nos. | CST TIN No.: 24690201429
VAT TIN No. : 24190201429 |
| 9.0 | Unloading at site | -By BHEL site office for supply packages.
-By vendor for Turnkey i.e. supply and Erection & Commissioning packages. |


24/2/08

- 10.0 Storage at site -By BHEL site for supply packages
-By vendor for Turnkey i.e. supply and Erection & Commissioning packages.
- 11.0 Movement of Material within Site -By BHEL site for supply packages
-By vendor for Turnkey i.e. supply and Erection & Commissioning packages
- 12.0 DOCUMENT REQUIRED FOR ULTIMATE CUSTOMER BILLING. For customer billing by PEM the supplier shall provide the following Documents to MM: -
- a. **Supplier Invoice – 1 Copy**
 - b. **Consignee copy LR. (CONSIGNOR / LORRY COPY NOT REQD) – 8 Copies**
 - c. **Packing List** indicating Quantity/ Gross weight/ Net weight against each item dispatched. – **8 Copies**
 - d. **GSECL/Customer MDCC – 8 Copies**
 - e. Any other doc. If required, shall be intimated later
- 13.0 Material Receipt Certificate (MRC). Responsibility to obtain MRC from Site for Turnkey i.e. supply and E&C packages shall be of the Turnkey Supplier/ Contractor. Only for Supply Packages BHEL/PEM will arrange MRC, however supplier/ contractor shall provide support for verification of material at site if required.
- 15.0 Commissioning spares The commissioning spares shall be properly packed separately in separate box and each spare shall be properly tagged giving details i.e. dispatch (to match the description given in the packing slip) to facilitate their proper identification. One Copy of Packing list must be put inside the Box.
- 16.0 Mandatory Spares (IF APPLICABLE) The Mandatory spares shall be properly packed separately in separate box indicating Mandatory Spares in bold letters and each spare shall be properly tagged giving details i.e. item number of the equipment in line with the Ultimate Customer Contract & Number per item (to match the description given in the packing slip) to facilitate their proper identification by ultimate customer M/s GIPCL. One Copy of Packing list must be put inside the Box along with Manufacturing drawing no. Reference, Catalogue reference etc.


24/12/08

17.A Taxes & Duties &
Nature of Project for
availing Concessional
Custom Duty.(FOR
DOMESTIC BIDDER)

All Bidders to note that this is a Non Mega (Negotiated) Project and Essentiality Certificate issued by GSECL through BHEL for the items identified by PEM (MM) at Enquiry stage (Limited to CIF content indicated by you in P.O.) for availing Concessional Custom Duty for imported contents under Project Import regulations. The Bidder to get confirmation from PEM (MM) at Enquiry stage if CIF is available for their supply items/ system/ Package. If CIF is confirmed by PEM-MM as not available at Enquiry stage then bidder to quote their prices as DOMESTIC. The list of imported items, quantity, CIF value (in Rupee) and Foreign currency along with the origin of country supplying raw material etc, shall be indicated in price bid. This list will be later on as reference list for getting the Essentiality Certificate from Customer M/s GSECL for this Project. Please note that no request later at Contract execution stage shall be entertained by BHEL/PEM for additional Item/ additional CIF other than the Original Bid.

Vendor shall be solely responsible for arranging the foreign exchange release for any material, component & bought out items that may be required to be imported and no foreign exchange will be paid or arranged by BHEL. Any increase or decrease in exchange rate shall be borne by Vendor/supplier.

Therefore, it is the sole responsibility of the bidder to obtain custom duty benefit in line with the Essentiality Certificate issued.

Under Project Import, concessional Custom duty is at the rate 5.44% is applicable for import of raw materials and equipments requiring value addition and 22.82% for directly despatchable imported bought out items.

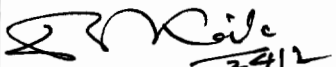

17.B Taxes & Duties
(For Order Directly to
Foreign Bidders)

IT IS FURTHER CLARIFIED THAT EXCISE DUTY DRAWBACK IS NOT APPLICABLE FOR THIS PROJECT. THE SUPPLIER TO QUOTE APPLICABLE EXCISE DUTY & CORRESPONDING SALES TAX TO PAY IN THE PRICE BID AND THE SAME WILL BE REIMBURSED BY BHEL-PEM AS PER THE AMOUNT INDICATED IN THE P.O.

In case of Order on foreign supplier, the dispatches shall be FOB (Port of Dispatch) basis and the Taxes Duties in the country of dispatch shall be borne by Bidder & to be accounted in the prices quoted to BHEL/PEM.

The taxes duties applicable in India shall be borne by BHEL/PEM as port clearance/handling in India shall be done by BHEL-PEM/ BHEL ROD Mumbai for the direct order placed by PEM to the foreign bidder.

- 18.A Inspection Agency
(Domestic supplies)
- BHEL / Customer
Vendor shall give inspection call in line with approved QP to Regional "BHEL-CQS WEB SITE" with a copy of inspection call to BHEL-PEM (MM) for arranging Customer/GSECL participation (Where ever applicable) with an advance notice of 15 – 20 days for participation in inspection/ Joint inspection on the proposed date. The MDCC shall be issued by GSECL based on the BHEL-CQS report OR Joint inspection report of BHEL CQS & Customer (Wherever applicable). The MDCC in original shall be attached by vendors for their payment from BHEL.
- 18.B Inspection Agency
(Imported supplies)
- In case of Imported Supplies the Test Certificates & Inspection reports duly accepted by the Foreign supplier Inspection agency shall be submitted in 5 Sets to BHEL/PEM, Noida. The above Inspection reports & Test certificates shall be reviewed by PEM/Engineering in line with the Technical Specifications & Approved Data sheets and than sent to Customer for Customer clearance.
The dispatch clearance (MDCC) by Customer shall be given to the Foreign supplier OR their representative in India after acceptance of above test certificates by Ultimate Customer.
- 19.0 Construction Power and
Water to Turnkey
Suppliers.
- Construction Power:** BHEL shall provide construction power on chargeable basis.
Construction Water: construction water tapping by vendor from existing Intake Canal Or from existing water supply line shall be permitted Free of charges on request
- 20.0 Final Drawings /
Documents Submission
- Final Drawing / Documents to be submitted shall be as per Technical specifications otherwise will be intimated during kickoff meeting.

	PREPARED BY	REVIEW BY
Name	D. K. Kate	Devinder Singh
Designation	Manager	AGM/ Comm.
Signature		
Date	24.02.08	24.02.08

1x500 MW UKAI TPP - MILL REJECT SYSTEM									
SUGGESTIVE PRICE FORMAT									
S.No	Details of Works or Equipment/System	1 Ex-works price	2 ED	3 CST	4 FREIGHT	5=Sum(1 to 4) FOR SITE	6 Total Service Tax	7 E&C Charges	8=5+6+7 Total
1.1.0	Lumpsum prices								
1.1.1	Total lumpsum firm price inclusive of all taxes duties and other levies as applicable for design, engineering, manufacturing, inspection and testing, painting, supply/delivery duly packed at project site including freight , unloading, storage and handling at site, design & construction of structural and minor civil works at site etc.,erection and commissioning, trial run at site,PG Test and handing over to the customer of Complete Mill Reject System in line with drawings/ documents/ test procedures approved by BHEL/Customer, inclusive of all prevailing taxes, duties and other levies for Mill Reject System complete with all accessories including erection and commissioning spares as required for the total scope defined as per technical specification PE-TS-294-160-A001 taking into account all clarifications, confirmations and agreements till date.								
	Notes:								
a)	<i>Bidder to note that total price indicated above at 1.1.1 shall be considered for evaluation and hence should be complete in all respect for the full scope defined and considering all terms and conditions agreed including electrical and control & instrumentation.</i>								
b)	Any item not included in the price quoted above and shown separately will not be taken cognizance of and the offer shall be liable for rejection.								
c)	In case, price indicated above does not match with the total of item wise break-up given at 1.2.0, the highest price so calculated shall be considered for evaluation but in case of order, the same shall be placed at the lowest price.								

1x500 MW UKAI TPP - MILL REJECT SYSTEM									
SUGGESTIVE PRICE FORMAT									
S.No	Details of Works or Equipment/System	1 Ex-works price	2 ED	3 CST	4 FREIGHT	5=Sum(1 to 4) FOR SITE	6 Total Service Tax	7 E&C Charges	8=5+6+7 Total
1.2.0	Break - up of Prices given at 1.1.1 above.								
1.2.1	Lumpsum firm price for design and supply of mechanical, electrical equipment and control system & equipment , design and construction of structural works ,along with E&C spares inclusive of all taxes, duties and other levies as applicable.							N.A	
1.2.2	Lumpsum firm price of all services including but not necessarily limited to unloading ,handling and transportation at site, erection of mechanical electrical and C&I equipment,, minor civil works as required, testing, commissioning, trial run, performance guarantee testing & handing over to the customer.	N.A.	N.A.	N.A.	N.A.	N.A.			
	Total of 1.2.0 (Should match with 1.1.1 above.)								
1.3.0	Break - up Prices(for 1.2.0 above)								
1.3.1	Lumpsum firm price for supply of denseveyors with dome /butterfly/ vertical swing type valve and accessories inclusive of all taxes, duties and other levies as applicable .								
1.3.2	Lumpsum firm price for supply of Pyrite hopper with level probes, temperature switch, rupture disc inclusive of all taxes, duties and other levies as applicable .								
1.3.3	Lumpsum firm price for supply of pneumatic panel/ Air control module/ Solenoid box with accessories inclusive of all taxes, duties and other levies as applicable								
1.3.4	Lumpsum firm price for supply of storage bunkers, pressure relief valves, bag filters with pressure switch , terminal boxes , level probes, chain pulley blocks with accessories inclusive of all taxes duties and other levies as applicable.								
1.3.5	Lumpsum firm price for oil free screw air compressors with drive etc inclusive of all taxes, duties and other levies as applicable								
1.3.6	Lumpsum firm price for Air receivers with accessories inclusive of all taxes, duties and other levies as applicable								
1.3.7	Lumpsum firm price of pipes for Mill reject conveying, Compressed air & cooling water services etc inclusive of all taxes, duties and other levies as applicable								
1.3.8	Lumpsum firm price for Air & Water line valves inclusive of all taxes, duties and other levies as applicable								
1.3.9	Lumpsum firm price for pneumatically operated knife gate valves for different application inclusive of all taxes, duties and other levies as applicable .								
1.3.10	Lumpsum firm price for manually operated knife gate valves for different application inclusive of all taxes, duties and other levies as applicable .								

1x500 MW UKAI TPP - MILL REJECT SYSTEM									
SUGGESTIVE PRICE FORMAT									
S.No	Details of Works or Equipment/System	1 Ex-works price	2 ED	3 CST	4 FREIGHT	5=Sum(1 to 4) FOR SITE	6 Total Service Tax	7 E&C Charges	8=5+6+7 Total
1.3.11	Lumpsum firm price for Alloy C.I bends/ fittings/laterals inclusive of all taxes, duties and other levies as applicable .								
1.3.12	Lumpsum firm price for Field instruments/controls/special cables/ cable glands & lugs inclusive of all taxes, duties and other levies as applicable .								
1.3.13	Lumpsum firm price of trolley mounted type sump pump set (1 nos.) along with all its control, inclusive of all taxes, duties and other levies as applicable.								
1.3.14	Lumpsum firm price for Start-up & commissioning spares as required inclusive of all taxes, duties and other levies as applicable .								
1.3.15	Lumpsum firm prices of any other item under 1.2.1 inclusive of all taxes, duties and other levies as applicable (please specify)								
	Total of 1.3.0 (Should match with 1.2.0). However , the break up prices indicated under this head are for internal use only & NOT for any comparision purpose & or making adjustment for scope variation.								
1.4.0	Unit Prices (To be used for adjustment against any scope variation and information)								
1.4.1	Unit price per meter with erection/ laying of conveying air Pipes inclusive of taxes, duties & other levies etc. (bidder to indicate the pipe size also)								
1.4.2	Unit price of pneumatically operated knife gate valve (size 200 Nb) along with actuator, inclusive of all taxes, duties and other levies as applicable								
1.4.3	Unit price of manually operated knife gate valve (size 200 NB) inclusive of all taxes, duties and other levies as applicable								
1.5.0	Optional price								
1.5.1	Price for three years of recommended spares- inclusive of all taxes, duties and other levies as applicable . Bidder to furnish list in the format as per Annex-IV along with item wise prices for adjustment purpose.								
1.5.2	Lumpsum price for Maintenance tools and tackels as per annexure II inclusive of all taxes, duties and other levies as applicable.								
2.0	Import Content								
2.0.1	Currencywise import content , if any (list of items which shall be imported for this contract shall be indicated) included in price under S.No. 1.0.1 . Exchange rate considered in the offer for all currencies to be indicated.								

ANNEXURE -I**1 x 500 MW Ukai Thermal Power Station- Mill Reject Handling System
Mode: Pneumatic Conveying**

Sl.No.	Description / Item	Working	Standby	Power Consumption (KW) (at motor input terminal)	Duty Factor	Total Power Consumption (KW)
1	2	3	4	5	6	7 = 3 x 5 x 6
1	Conveying Air Compressor	1	1		0.66	
					Total KW	

Notes

- 1 If the actual power consumption exceeds the guaranteed power consumption, liquidated damages shall be payable by the Contractor at the rate of Rs 1,64,000/- per KW excess power consumption, over the base guaranteed figure indicated by him in his bid. Such liquidated damages may be recovered by the Owner by deduction from the contract price or by enforcing the contract performance guarantee or in any other manner deemed fit by the Owner. For this purpose, the drives of standby equipment shall not be considered.
- 2 Power consumption (KW) of air compressors shall be measured at motor input terminals when operating at the rated capacity and pressure and performed on test rig at the vendor's works and actual motor shall be used for this purpose.
- 3 There shall be no technical loading for evaluation of bids. ESTIMATED POWER CONSUMPTION FOR THE WORKING COMPRESSOR CONSIDERED IS 50 KW (BASE FIG)

ANNEXURE-II								
1x500 MW UKAI TPP-MILL REJECT SYSTEM								
List of Maintenance Tools & Tackles								
Sl.no	Description	Qty.	Unit	Unit Ex-works price	Total ex-works price	ED	CST	FREIGHT FOR SITE
1	Spur geared chain pulley block of 2.0 tonnes capacity , 3 mtr.	1	Nos.					
2	2 lbs ball pen hammers	2	Nos.					
3	Cold Chisel 8"	2	Nos.					
4	6" outside and inside caliperse	2	Nos.					
5	Double end spanners and ring spanners upto one inch size	2	Sets					
6	6 feet long measuring tape	1	Nos.					
7	a Hacksaw frames 1/2" x 12	4	Nos.					
	b HSS blade 12 x 1/2"	6	Nos.					
	c Hacksaw blades	6	Nos.					
8	Allen keys set	2	Sets					
9	Pipe wrenches 18"	2	Nos.					
10	10" right angle	1	Nos.					
11	12" aluminium spirit levels	2	Nos.					
12	Filler Gauges - 8" & 12"	2	Sets					
13	10" slide wrenches	2	Nos.					
14	6",8",10",12" screw drivers	1	Set					
15	Insulated Pliers 8"	1	No.					
16	Tommy Bars 6"	2	Nos.					
17	a) Cotton Hand Gloves	2	Pairs					
	b) Lather Hand Gloves	2	Pairs					
18	Lifting wire ropeslings 8 ft with eye at each end 1/2 " size and	2	Pair each					
19	Wrachet and sockets set for hexagonal head screws & bolts size M-6 to M-24	1	Set					
20	Flaring tools with disc	1	Set					
21	Grease Gun	1	No					
22	Oil Gun	1	No					

ANNEXURE-II								
1x500 MW UKAI TPP-MILL REJECT SYSTEM								
List of Maintenance Tools & Tackles								
Sl.no	Description	Qty.	Unit	Unit Ex-works price	Total ex-works price	ED	CST	FREIGHT FOR SITE
23	Screw Pitch Gauge	1	No					
24	a) JK Flat file 12" smooth	2	Nos.					
	b) JK Half round file 12" rough	2	Nos.					
	c) JK Half round file 12 " fine	2	Nos.					
	d) Square file 12"	2	Nos.					
	e) Round File 12"	2	Nos.					
25	Line Tester no: 814	2	Nos.					
26	a) Cutting Pliers 8"	2	Nos.					
	b) Nose Pliers 6"	2	Nos.					
27	Soldering iron with flux	1	No.					
28	Vice 4" & 12"	1	No. each					
29	Taps and Dies	1	No.					
30	Steel Scale 12" & 24"	2	each					
31	Hand Lamps	2	Nos.					
32	Torch with Battery (2 sizes)	2	Nos.					

Annexure IV

1x500 MW UKAI TPP-MILL REJECT SYSTEM

List of Recommended Spares

[illegible]