



भारत हेवी इलेक्ट्रिकल्स लिमिटेड

Bharat Heavy Electricals Limited

Regional Operation Division, Mumbai

14th Floor, World Trade Centre-1, Cuffe Parade, Colaba, Mumbai -400005.

Phone: 022-22171350, Fax: 022- 22171205.

No.RE/MUM/EXP/ E-1503

Date: 23/07/2015

To,
M/s _____

Dear Sirs,

Sub: Ocean Freighting of Project cargo from JNPT port in SOC/COC Containers to Dar-es-salaam Tanzania on CFR basis.

BHEL, a Power Equipment Manufacturing Company, intends to export Engineering cargo to DR of congo. Ocean Freight/Multimodal Transport Operators having a valid Certificate of Freight forwarding /Ocean carriage/Steamer agent or/Multimodal Transportation of cargo from Custom/Port registration/DG of Shipping are invited to participate in the subject E-tender for the above Transportation by giving their most competitive e-offer complying with the terms and conditions of the tender.

- | | |
|---|-----------------|
| (1) General Information | - SECTION –I |
| (2) Pre Qualification Requirement (PQR) | - SECTION – II |
| (3) Scope of Work | - SECTION – III |
| (4) Instruction to bidders | - SECTION –IV |
| (5) Special Conditions | - SECTION –V |
| (6) General Terms and Conditions | - SECTION –VI |
| (7) Techno Commercial Bid | - SECTION –VII |
| (8) Price Bid | - SECTION –VIII |
| (9) Compliance Letter | - SECTION –VIII |

The bidders are advised to submit their most competitive offers complete in all respect and without any deviation. The offers shall remain valid for 60 days for acceptance from the due date of tender. The bidders are required to submit their most competitive offers complete in all respect and without any deviations as per instruction in section III in three parts i.e PQR Bid (Part 1);Technical Bid(Part 2); Price Bid (Part 3) through online E-procurement portal <https://bheleps.buyjunction.in> only. The offer should comply with the all tender requirement. The offers with any deviation will be rejected and the financial offer of the bidder will not be opened. No other forms of offer like Hard copy; emails will be accepted.

Bidders must submit their E-offer for the above on or before due date of tender ie **15:30 Hrs , 07/08/2015** through online E-procurement portal <https://bheleps.buyjunction.in>. Pre qualification requirement (PQR) offers (Part-1) shall be opened online on **07/08/2015 16:00 Hrs**. Technical Bids (Part –II) of the bidders who meet the PQR conditions & further Price Bids (Part III) of technically qualified bidders only will be opened on online e-procurement only after due intimations to the qualified bidders.

BHEL reserves the right to go for Reverse Auction (RA) for finalization of this tender instead of price bids opening i.e (Part III) opening for the technically qualified bidders, However the bidders are advised to quote their most competitive rates in the price bid. The Reverse Auction of technically qualified bidders shall be held through a separate service provider. Successful bidder shall be responsible for completion of the contract in all respects

Thanking you,

-Sd/-

Yours faithfully

For BHARAT HEAVY ELECTRICALS LIMITED

Sr Engineer(MS-Export)

Encl: Section I to VIII

GENERAL INFORMATION

BHEL is executing an export project in the Democratic Republic of Congo . BHEL intends to appoint a Contractor for transportation of Project cargoes to Dar-es-Salam Port. The contractor will have to arrange for receipt of cargo at their closed and covered warehouse in the vicinity of Nahva Sheva Port and arrange for export customs clearance and onward shipment in FCL containers to Dar-es-Salam Port. Most of the cargo will have to be shipped in Shipper Owned Containers (SOC) arranged by the contractor, however some cargoes will have to be shipped using Carrier owned (COC) Flat Rack containers. The cargoes will have to be shipped in multiple lots. **The bidder must have a valid Certificate of Freight forwarding /Ocean carriage/Steamer agent/Shipping agent/Multimodal Transportation of cargo from Custom/Port registration/DG of Shipping .**The quantity of cargo is about 3000 Freight Tons(FRT) subject to a variation of +/-20% (no contractual or legal binding on BHEL regarding cargo volume), which has to be shipped as FCL in SOC as well as COC Containers a, in multiple lots from JNPT Port to the gateway port of Dar es salaam, Tanzania on CFR basis in a time span of 18 Months from July 2015 to Dec 2016 tentatively. The contractor has to arrange both SOC as well as COC containers.

The cargo will be received by the Port consignee at Dar-es-Salam port for onward transportation to Project site, Grand Katende Hydro Electric Project, D.R. Congo. The scope of work will be inclusive of unloading cargo at contractor's closed and covered warehouse (in the vicinity of Nhava Sheva Port), storage in the warehouse, handling and transportation till CFS, terminal handling if any, arranging SOC /COC containers, stuffing of cargo in containers, lashing, custom clearance at load port and further ocean freighting till Gateway port of Dar es salaam on CFR basis. The bidder while submitting the offer should consider the shortest, most safe, economical and reliable logistics to be adopted for transportation of cargo

Other details are as follows

Sn		
1	Name and Address of concerned persons for Tender BHEL ROD Mumbai Mr. P.V. Shain, Sr Dy. General Manager (Export) Mr. Vishwa Chandan Sr Engineer (Exports) Regional Operations Division BHARAT HEAVY ELECTRICALS LTD., 14/15 th Floors, Centre-1, World Trade Center, Cuffe Parade, Mumbai, Maharashtra India	Phone Nos. & Email Ph No. 022- 22171350/22187586 Email : shain@bhel.co.in Ph No. 022- 22171340/9819979380 Email : Vishwa.chandan@bhel.co.in
2	Terms of Delivery:	CFR Dar –es- Salaam Port
3	Consignee details:	Ministry of Energy No 5963, Boulevard Du 30 Juin, Kinshasa / Gombe, Democratic Republic of Congo.
4	Site details	Project site, Grand Katende Hydro Electric Project, D.R. Congo
5	Port Consignee Contact details at the gateway port of Dar- es-Salam:	Will be informed later.
6	Volume of cargo	3000 FRT +/-20% in multiple Lots

7	Tentative date of supply	From July 2015 to Dec 2016
8	Due date & Time of submission of EMD and PQR documents (Refer Sec III instruction to bidders for details of hard copy)	07th August 2015 by 15:30 Hrs
9	Due date & Time of submission of bids in all respect on online portal https://bheleps.buyjunction.in	07th August 2015 by 15:30 Hrs
10	Date and time of opening of PQR Bid(Part I) of tender	07th August 2015 on 16:00 Hrs
11	Date and time of opening of (Technical) Part II / (Price) Part III/ Reverse auction.	Information will be furnished vide email separately.
12	Name and Address of concerned persons of E-procurement agency	M Junction services Ltd Name : Bhaskar Chakraborty Team Leader- EPS Helpdesk(buy Junction) Ph : 033-66106078 033-66011717 Mob: 08584008205 Email: bhaskar.chakraborty@mjunction.in Address: Godrej Waterside Tower I 9 th Floor Plot # 5 Block –DP Sector V Salt Lake city ; Kolkata- 700091
13	Name and Address of concerned persons for technical help from BHEL side	Mr Vaibhav Khanna (Engineer-MS) BHEL-ROD 14/15 th Floor WTC 1 Cuffe parade Mumbai -05 Mob: 09930231143

SECTION – I

Pre Qualification Requirement (PQR)

Relevant documents copy to be uploaded on online e-procurement portal in PQR Bid i.e Part I & hard copy to be submitted in BHEL on or before due date of tender.

The Qualifying Requirements for contractors are as Follows:

1. Bidder must have valid certificate of registration for carrying out Freight forwarding /Ocean carriage/Steamer agent/Shipping agent or/Multimodal Transportation of cargo from Custom/Port registration/DG of Shipping.(Notarized copy must be uploaded on e procurement portal and original to be submitted in BHEL)
2. Bidder must have an average annual turnover not less than 90 Lakhs in “**container ocean freighting to/from India**” business for the last 3 years. (i.e for year 12-13,13-14 &14-15)(CA certificate indicating details of each FY along with audited balance sheet/annual report is to be submitted) (If the financial year report of 2014-2015 is not available, data for 3 previous year may be given i.e for 2011-12; 2012-2013;2013-2014 however in this case certificate from same auditor is required that audit is still not completed for the FY 2014-2015).(Copy must be uploaded on e procurement portal and hard copy in original to be submitted to BHEL)
3. Bidders must submit proof of having have successfully executed “**Ocean freight Export contracts by containerized cargo mode involving Project cargo movement from India**” in the last 7 years (ending last day of month previous to the one in which the tender PQR bid is due for opening) as under (Copies of work order/contract copy/along with satisfactory completion certificate from customer is to be uploaded on e procurement portal and hard copy in original to be submitted to BHEL)
 - (a) Three contracts of value not less than Rs 1.2 crores each.
or
 - (b) Two contracts of value not less than Rs 1.5 crores each
or
 - (c) One contract of value not less than Rs 2.4 crores each.

Details of work order/contract shall be given in support of the above as per below format

Sl No	Full Address of Client and Officer in charge	Postal of and	Brief description of Work & Quantities	Work Order No. and date	Value of Contract in Rupees in Lakhs	Time Schedule in months	Actual date of completion

For each case of Work Experience filled in the format , self attested copy of work order / Letter of Award and Self attested copies of work completion certificates issued by the agency who has awarded the contract should be uploaded on e-portal. BHEL reserves the right to verify the authenticity of the document from the originator , hence the party should ensure that all contractual & contact details are available in the completion certificates to lend easy verification wherever required.”).

4. Bidders must have service tax registration. (Copy must be uploaded on e procurement portal)
5. The parties should NOT have been referred to BIFR/NCLT or declared ‘SICK’ by any Statutory Authority. (A self certification Copy must be uploaded on e procurement portal and hard copy in original to be submitted to BHEL)
6. The parties should not have been banned for business dealing by BHEL/Government of India/any undertaking of Government of India. (A self certification Copy must be uploaded on e procurement portal and hard copy in original to be submitted to BHEL)
7. Original latest Solvency certificate from a scheduled bank in India (Rs 50 Lakhs).).(Copy must be uploaded on e procurement portal and hard copy in original to be submitted to BHEL)
8. Bidder should have its own CHA license or having tie up with CHA for custom clearance at JNPT(Notarized copy of CHA license along with letter of support from the CHA to be uploaded by the party and hard copy in original to be submitted to BHEL)
9. Bidder should have their own closed and covered warehouse (closed shed) in the vicinity of Nhava sheva / JNPT or tie up with any agency having such a warehouse facility with a capacity to store at least 500CBM at any point of time. (Address of warehouse and Self declaration if the facility is owned by the bidder / letter of support from the ware house owner to be uploaded on e-portal by the party and hard copy in original to be submitted to BHEL)
10. Bidders must submit performance certificate for satisfactory execution of contracts from min 3 customers for “**container ocean freighting to/from India**” for work executed in last 3 years (ending last day of month previous to the one in which the tender PQR bid is due for opening) (Copy must be uploaded on e procurement portal and hard copy in original to be submitted to BHEL)

The bidders must qualify in ALL the PQR conditions as above. The offers of the bidders not qualifying in PQR shall be rejected. The technical bid (Part II) of only those bidders who qualify in the PQR bid(Part I), shall be opened

**Application Form for Qualification Requirements
(To be filled and uploaded in online PQR bid –Part I)**

1. i. Name & address of the Company :
- ii. Year of Establishment of Company :
2. Type of Ownership :
Proprietorship or Partnership or Private Limited
or Public Limited or Central Undertaking or
State undertaking or Any other (specify)
3. Valid Registration Certificate from the :
Customs/Port Registration/DG Shipping
(Provide registration no. & Copy to be enclosed)
4. Certificate of Incorporation in respect of Ltd. Co. :
(Provide date of incorporation & Copy to be enclosed)
5. Partnership Deed in respect of Partnership Firms. :
(Copy to be enclosed)
6. Information on Party's Offices in India
 - 6.1 Office address :
Telephone No / Mobile No. :
Name of contact persons :
Email IDs :
 - 6.2 Office is owned or rented :
 - 6.3 Own Warehouse/
Tied up Warehouse with other agency address :
 - 6.4 Own CHA/Tied up CHA agency details : :
7. FINANCIAL DETAILS: The Financial Data for 3 years to be certified by the Statutory Auditor (CA) on his letterhead is required. If the financial year report of 2014-2015 is not available, data for 3 previous year may be given i.e for 2011-12;2012-13;2013-14.

Sn	Description	2012-2013	2013-2014	2014-2015
	Total Turn Over of Company in Rs Lakhs in container ocean freighting business			
	Net worth (paid up share capital or partnership capital or proprietor capital +Reserves)			
	Net Profit in Rs Lakhs			

8. Company details
 - a. PAN:
 - b. Bank Reference: (Details for Electronic Fund Transfers as per enclosed format)
 - c. Service Tax Registration Number:
9. Organizational Information:
 - a. Directors/Partners if related to any BHEL employee
Name:
Staff No.:
Designation:
Department:

Relationship:

- b. If any ex-BHEL personnel is employed by the party, mention his/her
Details of last posting
Name:
Staff No.:
Designation:
Department:
Relationship:
- c. Perception of party's chief executive about BHEL:
(i) Chief executive's opinion about dealing with BHEL
(ii) Whether he is willing to work with BHEL on long-term contract basis with a time bound target for improvement in quality of the product and reduction in prices and what support he expects from BHEL towards achieving this goal.
(iii) Any other aspects, which would be beneficial for the improvement in BHEL's performance. (Use separate sheet if required)
10. Directors / Partners, if related to any BHEL employee.
a. Name :
b. Staff No. :
c. Designation :
d. Unit & Department :
e. Relationship :
11. If any Ex-BHEL Personnel Is employed by the Company, mention his / her details of Last Posting.
a. Name :
b. Staff No. :
c. Designation :
d. Unit & Department :
e. Date Of Leaving Service :
12. Whether the party is fully conversant with Dock workers (safety, health & welfare) regulations and Act / Dock Labourer's Act / Child Labour Act / Mathadi board / Transporter board/ Customs and Port procedures and all other relevant Acts, Rules and Regulations of Maharashtra state and Govt. of India in course of their activities and whether they are being fully complied with. Also all handling equipments are complying as per HSE compliance /ISO 9001/14000/OHSAS compliance.
Yes / No
13. Whether organization has been referred to BIFR/NCLT or declared 'SICK' by Statutory Authority.
Yes / No
14. Whether organization is in banned list of BHEL/Government of India/any Government of India undertaking
Yes / No

I/We give the undertaking that BHEL details shall not be used in any way detrimental to the interest of BHEL and/or for supply of service directly or indirectly to any other customer. The information given in the above format is true to my knowledge and belief. If the above information is found false, our application is liable for rejection/cancellation of registration.

Sign and Seal of the Bidder

Note:

1. The application should be furnished in prescribed format only.
2. The documents can be downloaded from BHEL Website : www.bhel.com
3. The filled up application has to be uploaded on e procurement portal along with the supporting documents, on or before the due date and time.
4. All pages of Section-I of the tender along with the attached documents has to be signed by authorised signatory along with his stamp and seal of the organization and uploaded on e-procurement portal in EQR bid i.e Part-1.
5. Signing of the application form:

Type of firm	Who should sign the application form	Remarks
GOVT. OF INDIA UNDERTAKING	Person holding power of attorney	The power of attorney copy along with Notarized copy to be uploaded with application
PROPREITORSHIP	Proprietor	-
PARTNERSHIP	The Partner holding power of attorney	The power of attorney copy along with Notarized copy to be uploaded with application
LIMITED COMPANY	Persons holding Power of attorney	The power of attorney copy along with Notarized copy to be uploaded with application

Format -1

Information of Bank Account of Company	Document to be submitted
The following information of Bank Account of the Company, duly endorsed by the Bank (required for Electronic Fund Transfer – EFT/ RTGS) is to be submitted <ol style="list-style-type: none">1. Name of the Company2. Name of Bank3. Name of Bank Branch4. City/Place5. Account Number6. Account type7. IFSC code of the Bank Branch8. MICR Code of the Bank Branch	Information of Bank Account of the Company duly endorsed by the Bank

(Refer clause 8b of the application form)

Sign and Seal of the Bidder

Documents to be Uploaded by bidder on E-procurement portal PQR bid i.e Part I & submitted to BHEL in original

Following documents should be uploaded in the PQR bid preferably in the same order of sequence shown below and originals are required to be submitted to BHEL on or before due date. **Offers without the below requisite documents shall not be accepted for further evaluation.**

1. Copy of EMD of Rs 200000/- (DD in favor of "BHEL" payable in Mumbai)
2. Notarized Copies of following applicable documents
 - Power of attorney & copies thereof for signing authorities.
 - Memorandum of Articles of Association or Certificate of incorporation
3. Notarized copy of Certificate of registration for Freight forwarding /Ocean carriage/Steamer agent/Shipping agent or/Multimodal Transportation of cargo from Custom/Port registration/DG of Shipping
4. Organization chart in detail of company.
5. A certificate in original from a firm of Chartered Accountants and audited balance sheet/annual report confirming the Turn-over and other details as required under essential criteria detail as per SI no 2 of section - I & application form)
6. Copy of the Service Tax registration certificate.
7. Letter of authorization for signatories to act on behalf of company.
8. Work order/contract copy/satisfactory completion certificates from customers as per PQR at sr no 3.
9. The parties should NOT have been referred to BIFR/NCLT or declared 'SICK' by any Statutory Authority. A self certification should be submitted by the party.
10. The parties should not have been banned for business dealing by BHEL/Government of India /Undertaking of Government of India. (A self certification should be submitted by the party).
11. Original latest Solvency certificate from a scheduled bank in India (Rs 50 Lakhs).
12. Copy of PAN card.
13. Notarized copy of CHA License along with letter of support from the CHA.
14. Declaration of having a closed & covered warehouse in the vicinity of Nhava sheva / JNPT with a capacity to store at least 500 cbm of cargo at any point of time or support letter from the agency from whom it be hired / rented by the contractor.
15. Performance certificate for satisfactory execution of contracts for min 3 customers for container ocean freighting to/from India for work executed in last 3 years (ending last day of month previous to the one in which the tender PQR bid is due for opening)
16. Declaration for Pre Qualification requirement.

Sign and Seal of the Bidder

DECLARATION BY BIDDERS (on Company's letter head)

To,
Bharat Heavy Electricals Ltd.
14/15th Floor, ROD, World Trade Centre-1,
Cuffee Parade, Coloba,
Mumbai-400 005.

Sir,

SUB: Declaration for Pre Qualification requirement.
REF: Tender No. RE/MUM/EXP/E-1503

I hereby submit documents for Pre Qualification requirement for tender no RE/MUM/EXP/E-1503

I affirm that the particulars given are true to best of my knowledge and belief.

I agree to furnish any other information / produce any record for inspection as may be required by the competent authority or an officer duly authorized by the competent authority of Bharat Heavy electrical Limited.

I / We also give the undertaking that all the statutory acts, rules & regulations applicable to central /state govt. are being and will be followed by us in course of our operations

Applicant Name and address

Name of the person signing

The application and his status in the company

signature:

SECTION – II

SCOPE OF WORK

Cargo Description:

The cargo is comprising of about 3000 Freight Tons+/-20% which is to be shipped in multiple lots. The contractor will have to ensure that the cargo is shipped / transported out at the earliest as per scope of work.

Tentative Packing list of of cargo is as given below.

GRAND KATENDE HEP (4 X 16 MW)										
SL. NO.	UNIT	ITEM DESCRIPTION	QTY	WEIGHT (kg)	TOTAL BOX WEIGHT (kg)	PACKAGE DIMENSIONS (L x W x H) (in mm)			Volume (m3)	Total Volume of given Qty
A		TURBINE								
	1	GOVERNOR ELECTRONIC CUBICLE	1	900	950.00	900	1100	2500	2.48	2.48
	2	GOVERNOR ELECTRONIC CUBICLE	1	900	950.00	900	1100	2500	2.48	2.48
	3	GOVERNOR ELECTRONIC CUBICLE	1	900	950.00	900	1100	2500	2.48	2.48
	1-4	TOOTHED WHEEL MAGNETIC PICK-UP	4	100.00	400.00	1100	1100	200	0.24	0.97
	2	ARRGT. OF PR. RECEIVER FOR GOV.(WELDED ASSY.)	1	4513	9026.00	2800	1500	1500	6.30	6.30

	2	ARRGT. OF PR. RECEIVER FOR GOV.(INSTRUMENT & DEVICE)	1	35	70.00	1220	660	420	0.34	0.34
	2	ARRGT.OF PRESSURE RECIEVER (VALVE & FITTINGS)	1	30	60.00	800	500	260	0.10	0.10
	2	ARRGT.OF PRESSURE RECIEVER (MAGNETIC LEVEL INDICATOR)	1	80	160.00	1800	500	500	0.45	0.45
	1-4	12 POINT TEMPRATURE SCANNER	4	15.00	60.00	800	500	420	0.17	0.67
	1	ELECTRICAL TRANSDUCER	1	15.00	15.00	800	500	260	0.10	0.10
	1-4	LIMIT SWITCHES (30NOS)	4	15.00	60.00	460	310	260	0.04	0.15
	1	ELECTROMAGNET IC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	1	75.00	75.00	800	650	800	0.42	0.42
	1	ELECTROMAGNET IC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	1	75.00	75.00	800	650	800	0.42	0.42

	1	ELECTROMAGNET IC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	1	75.00	75.00	800	650	800	0.42	0.42
	1	ELECTROMAGNET IC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	1	65.00	65.00	122 0	780	560	0.53	0.53
	1	ELECTROMAGNET IC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	1	65.00	65.00	122 0	780	560	0.53	0.53
	1	ELECTROMAGNET IC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	1	65.00	65.00	122 0	780	560	0.53	0.53
	1	ELECTROMAGNET IC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	1	20.00	20.00	800	500	420	0.17	0.17
	1	ELECTROMAGNET IC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	1	20.00	20.00	800	500	420	0.17	0.17
	2-4	ELECTROMAGNET IC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	3	20.00	20.00	800	500	420	0.17	0.50

		ELECTROMAGNETIC TYPE FLOE RELAY 3 NOS(OPU , SHAFT SEAL & TGB)	3	20.00	20.00	800	500	420	0.17	0.50
	4	GOVERNOR ELECTRONIC CUBICLE	1	900	900	900	1100	2500	2.48	2.48
	1-2	OIL TUBES OF RUNNER SERVOMOTOR	2	200	400	500	500	3000	0.75	1.50
	1-2	OIL TUBES OF RUNNER SERVOMOTOR	2	400	800	500	500	4200	1.05	2.10
	1-2	OIL TUBES OF RUNNER SERVOMOTOR	2	500	1000	500	500	7000	1.75	3.50
	1-2	OIL TUBES OF RUNNER SERVOMOTOR	2	100	200	1500	1000	800	1.20	2.40
	1-2	OIL TUBES OF RUNNER SERVOMOTOR	2	100	200	1500	1000	800	1.20	2.40
	1-4	FEEDBACK DEVICE (LVDT)	4	100	200	1500	1000	800	1.20	4.80
	1-4	FEEDBACK DEVICE (LVDT)	4	100	200	1500	1000	800	1.20	4.80
	1-4	FEEDBACK DEVICE (LVDT)	4	100	200	1500	1000	800	1.20	4.80
	1-2	HYDROLIC OVERSPED DEVICE	2	20	40	460	310	260	0.04	0.07

	3-4	PRESSURE RECIEVER	2	4513.00	9026.00	2800	1500	1500	6.30	12.60
	3-4	PRESSURE RECIEVER	2	18.00	36.00	1220	660	420	0.34	0.68
	3-4	PRESSURE RECIEVER	2	15.00	30.00	800	500	260	0.10	0.21
	3-4	PRESSURE RECIEVER	2	60.00	120.00	1800	500	500	0.45	0.90
	SPARE	GUIDE VAN BEARING BUSHES	1	150	150	1120	780	560	0.49	0.49
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2500	1000	600	1.50	1.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2500	1000	600	1.50	1.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2500	1000	600	1.50	1.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2500	1000	600	1.50	1.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2500	1000	600	1.50	1.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2500	1000	600	1.50	1.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2500	1000	600	1.50	1.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2500	1000	600	1.50	1.50

	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2500	1000	600	1.50	1.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	500	500	2000	1000	1000	2.00	2.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	500	500	2000	1000	1000	2.00	2.00

	1	ARRGT. OF COOLING WATER SYSTEM	1	500	500	2000	1000	1000	2.00	2.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	500	500	2000	1000	1000	2.00	2.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	500	500	2000	1000	1000	2.00	2.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	500	500	2000	1000	1000	2.00	2.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	500	500	2000	1000	1000	2.00	2.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	500	500	2000	1000	1000	2.00	2.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	500	500	0.38	0.38
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	500	500	0.38	0.38
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	500	500	0.38	0.38
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	500	500	0.38	0.38
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	500	500	0.38	0.38

	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	500	500	0.38	0.38
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	500	500	0.38	0.38
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	1500	500	500	0.38	0.38
	1	ARRGT. OF COOLING WATER SYSTEM	1	11000	11000	6500	2000	2000	26.00	26.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	4000	4000	6500	1000	1000	6.50	6.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	1100	1100	6500	500	500	1.63	1.63
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	6500	100	100	0.07	0.07
	1	ARRGT. OF COOLING WATER SYSTEM	1	3000	3000	3000	3000	2500	22.50	22.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	1500	1500	3000	2500	1000	7.50	7.50
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	2000	1500	1000	3.00	3.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	3500	3500	2000	1500	1000	3.00	3.00

	1	ARRGT. OF COOLING WATER SYSTEM	1	600	600	2000	1500	1000	3.00	3.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	1600	1600	6500	1000	500	3.25	3.25
	1	ARRGT. OF COOLING WATER SYSTEM	1	100	100	2000	2000	500	2.00	2.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	300	300	1500	1000	8000	12.00	12.00
	1	ARRGT. OF COOLING WATER SYSTEM	1	1000	1000	2000	1500	100	0.30	0.30
	1	ARRGT. OF COOLING WATER SYSTEM	1	200	200	1500	1000	800	1.20	1.20
	1	ARRGT. OF COOLING WATER SYSTEM	1	5000	5000	3000	1500	500	2.25	2.25
	3	OIL TUBES OF RUNNER SERVOMOTOR	1	200	200	500	500	3000	0.75	0.75
	3	OIL TUBES OF RUNNER SERVOMOTOR	1	400	400	500	500	4200	1.05	1.05
	3	OIL TUBES OF RUNNER SERVOMOTOR	1	500	500	500	500	7000	1.75	1.75
	3	OIL TUBES OF RUNNER SERVOMOTOR	1	100	100	1500	1000	800	1.20	1.20

	3	OIL TUBES OF RUNNER SERVOMOTOR	1	100	100	1500	1000	800	1.20	1.20
	3-4	HYDROLIC OVERSPED DEVICE	2	20	40	460	310	260	0.04	0.07
	SPARE	SPARES FOR COOLING WATER SYSTEM	1							
	4	OIL TUBES OF RUNNER SERVOMOTOR	1	2000	2000	2000	2000	1500	6.00	6.00
	4	OIL TUBES OF RUNNER SERVOMOTOR	1	1900	1900	2000	2500	1000	5.00	5.00
	4	OIL TUBES OF RUNNER SERVOMOTOR	1	100	100	1500	1000	800	1.20	1.20
	4	OIL TUBES OF RUNNER SERVOMOTOR	1	200	200	2000	1500	1000	3.00	3.00
	4	OIL TUBES OF RUNNER SERVOMOTOR	1	500	500	1500	1000	800	1.20	1.20
	1	AIR DRYER FOR HP COMPRESSOR	2	50	100	1200	1200	1200	1.73	3.46
	1	AIR DRYER FOR LP COMPRESSOR	2	50	100	1200	1200	1200	1.73	3.46
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	800	800	2000	1500	1000	3.00	3.00

	1	ARRGT.OF L.P COMPRESSED AIR SY	1	800	800	200 0	1500	1000	3.00	3.00
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	500	500	600 0	500	5000	15.00	15.00
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	800	800	300 0	1500	1500	6.75	6.75
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20

	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1	ARRGT.OF L.P COMPRESSED AIR SY	1	100	100	150 0	1000	800	1.20	1.20
	1-4	TURBINE JUNCTION BOX	4	35.00	140.00	800	500	420	0.17	0.67
	1-4	PRESSUR TRANSMITTERS	4	50.00	60.00	460	310	260	0.04	0.15
	1-4	RESISTENCE TEMPERATURE DETECTOR	4	50.00	60.00	460	310	260	0.04	0.15
	1	DIFFERENTIAL PR. SWITCH (4 NOS)	1	5.00	15.00	460	310	260	0.04	0.04
	1	PR. SWITCH (2 NOS)	1	5.00	15.00	460	310	260	0.04	0.04
	1	H.P. COMPRESSED AIR SYSTEM	1	500	500	300 0	2500	2500	18.75	18.75
	1	H.P. COMPRESSED AIR SYSTEM	1	500	500	300 0	2500	2500	18.75	18.75
	1	H.P. COMPRESSED AIR SYSTEM	1	200	200	300 0	2500	2500	18.75	18.75
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	150 0	1000	800	1.20	1.20
	1	H.P. COMPRESSED AIR SYSTEM	1	300	300	650 0	500	500	1.63	1.63
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	150 0	1000	800	1.20	1.20

	1	H.P. COMPRESSED AIR SYSTEM	1	200	200	150 0	1000	800	1.20	1.20
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	150 0	1000	800	1.20	1.20
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	150 0	1000	800	1.20	1.20
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	150 0	1000	800	1.20	1.20
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	150 0	1000	800	1.20	1.20
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	150 0	1000	800	1.20	1.20
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	500 0	100	100	0.05	0.05
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	150 0	1000	800	1.20	1.20
	1	H.P. COMPRESSED AIR SYSTEM	1	100	100	500 0	100	100	0.05	0.05
	1		1							
	1	HYDRO MECHANICAL CABINET	1	1200	1200	170 0	2000	2700	9.18	9.18
	1	OIL HEADER (BODY ASSY.)	1	2500	2500	200 0	2000	1500	6.00	6.00
	1	OIL HEADER (OIL BATH ASSY.)	1	200	200	250 0	2500	1000	6.25	6.25
	1	OIL HEADER (RUBBER & INSULATIN	1	100	100	150 0	1000	800	1.20	1.20
	1	OIL HEADER (HARDWARES)	1	100	100	150 0	1000	800	1.20	1.20

	1	OIL HEADER (MOUNTING BOX & ACC	1	100	100	150 0	1000	800	1.20	1.20
	1	OIL HEADER (OIL GUIDE UPPER)	1	200	200	150 0	1000	800	1.20	1.20
	1	OIL HEADER (OIL GUIDE LOWER)	1	700	700	100 0	1000	3500	3.50	3.50
	2	HYDRO MECHANICAL CABINET	1	1185	1185	120 0	1050	2300	2.90	2.90
	1-4	OIL SUMP TANK	4	4000	16000	230 0	2300	2200	11.64	46.55
	1-4	TURBINE FLOW MEASURING EQUIPMENT (WINTER KENNEDY TYPE)	4	50.00	2000.00	122 0	660	420	0.34	1.35
	2-3	OIL HEADER (BODY ASSY.)	2	2500	5000	200 0	2000	1500	6.00	12.00
	2-3	OIL HEADER (OIL BATH ASSY.)	2	200	400	250 0	2500	1000	6.25	12.50
	2-3	OIL HEADER (RUBBER & INSULATIN	2	100	200	150 0	1000	800	1.20	2.40
	2-3	OIL HEADER (HARDWARES)	2	100	200	150 0	1000	800	1.20	2.40
	2-3	OIL HEADER (MOUNTING BOX & ACC	2	100	200	150 0	1000	800	1.20	2.40
	2-3	OIL HEADER (OIL GUIDE UPPER)	2	200	400	150 0	1000	800	1.20	2.40
	2-3	OIL HEADER (OIL GUIDE LOWER)	2	700	1400	100 0	1000	3500	3.50	7.00

	3	HYDRO MECHANICAL CABINET	1	1185	1185	120 0	1050	2300	2.90	2.90
	3	MOBILE LUBRICATING OIL PURIFIER SYSTEM	1	2200.00	2200.00	260 0	1800	2100		
	1	LUBRICATION OIL STORAGE TANK	1	3000.00	3000	350 0	2500	2500	21.88	21.88
	1	LUBRICATION OIL STORAGE TANK	1	3000.00	3000	350 0	2500	2500	21.88	21.88
	4	OIL HEADER (BODY ASSY.)	1	2500	2500	200 0	2000	1500	6.00	6.00
	4	OIL HEADER (OIL BATH ASSY.)	1	200	200	250 0	2500	1000	6.25	6.25
	4	OIL HEADER (RUBBER & INSULATIN	1	100	100	150 0	1000	800	1.20	1.20
	4	OIL HEADER (HARDWARES)	1	100	100	150 0	1000	800	1.20	1.20
	4	OIL HEADER (MOUNTING BOX & ACC	1	100	100	150 0	1000	800	1.20	1.20
	4	OIL HEADER (OIL GUIDE UPPER)	1	200	200	150 0	1000	800	1.20	1.20
	4	OIL HEADER (OIL GUIDE LOWER)	1	700	700	100 0	1000	3500	3.50	3.50
	4	HYDRO MECHANICAL CABINET	1	1185	1185	120 0	1050	2300	2.90	2.90

	1-4	DIAL TYPE THERMOMETER (4 NOS)	4	50.00	200.00	460	310	260	0.04	0.15
	1-4	TURBINE GUIDE BERING OIL LEVEL INDICATOR CUM CONTROLLER	4	50.00	200.00	800	500	260	0.10	0.42
	1-4	TURBINE TOP COVER WATER LEVEL INDICATOR	4	50.00	200.00	800	500	260	0.10	0.42
		GENERATOR								
	UNIT	ITEM DESCRIPTION	QTY							
	1	ERECTION TOOLS FOR GENERATOR SHAFT								
		SHAFT LIFTING & TURNING	1	300	300	700	600	600	0.25	0.25
		SHAFT STAND FOR SERVICE BAY	1	850	850	1300	1300	200	0.34	0.34
	1	POWER PACK UNIT	1							
	1	INSULATING MATERIAL FOR COMPLETE STATOR WINDING AT SITE (VARNISH& PAINTS)	1	600	600	1000	500	500	0.25	0.25

	1	INSULATING MATERIAL FOR COMPLETE STATOR WINDING AT SITE (INSULATION TAPS)	1	400	400	500	500	500	0.13	0.13
	1	INSULATING MATERIAL FOR COMPLETE STATOR WINDING AT SITE (OTHER ITEM)	1	1100	1100	1000	500	500	0.25	0.25
	1	ROTOR & DC CONNECTION AT SITE (SSSLI PAINTS)	1	100	100	500	500	500	0.13	0.13
	1	ROTOR &DC CONNECTION (INSULATING TAPE)	1	50	50	500	500	500	0.13	0.13
	1	ROTOR & DC CONNECTION (SOLDERING & OTHER ITEMS)	1	250	250	500	500	500	0.13	0.13
		GENERATOR FLOORING.	1							0.00
	4	GENERATOR FLOORING.	1	6000	6000	3150	2950	1700	15.80	15.80
	4	GENERATOR FLOORING.	1	4800	4800	4950	1450	1700	12.20	12.20
	4	GENERATOR FLOORING.	1	4000	4000	3750	1450	1700	9.24	9.24
	4	GENERATOR FLOORING.	1	2000	2000	4900	1100	1100	5.93	5.93
	4	GENERATOR FLOORING. (LOOSE ITEMS)	1	460	460	1120	1120	660	0.83	0.83

	1-4	TURBINE PIT COVER	4	400	1600	3500	1200	500	2.10	8.40
	1-4	TURBINE PIT COVER ARRGT. (LOOSE ITEMS)	4	700	2800	3500	2500	500	4.38	17.50
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25

	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25

	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25

	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	4	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
		LOWER GUIDE BEARING ARRGT.	1							
	1-4	GUIDE PADS	4	400	1600	150 0	500	1000	0.75	3.00
	1-4	LOOSE ITEMS FOR GUIDE ASSEMBLY & SHAFT EARTHING BRUSH	4	500	2000	200 0	1500	1500	4.50	18.00
	1-4	COOLER FIXING ITEMS (SUPPORT , FASTNERS & GASKET)	4	200	800	100 0	500	500	0.25	1.00
	1-4	BOTTOM OIL VAPOUR SEAL	4	200	8000	200 0	600	1000	1.20	4.80

	1-4	AIR / VAPOUR PIPING FOR (LOOSE ITEMS)	4	50	200	130 0	700	400	0.36	1.46
	SPARE	WOUND POLE (4 NOS.)	6							
	1	WOUND POLE ASSY. - (NORTH POLE)	1	350	350	700	650	550	0.25	0.25
	1	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	1	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	1	WOUND POLE ASSY. - (SOUTH POLE)	1	350	350	700	650	550	0.25	0.25
	SPARE	AIR COOLERS	6	500	3000	330 0	700	500	1.16	6.93
	SPARE	OIL COOLERS	3	600	1800	750	700	950	0.50	1.50
	1-4	COMPLETING ITEMS OF GENERATOR								
	1-4	ARRGT OF RATING PLATE , MONOGRAM & DOME LIGHT	4	10	10	100 0	500	500	0.25	1.00
	1-4	SET OF MISE . CONSUMABLES (SSL ITEMS) AT SITE	4	50	50	500	500	500	0.13	0.50
	1-4	SET OF MISE .CONSUMABLES	4	30	30	500	500	500	0.13	0.50

		INSULATING MATERIALS FOR STATOR, ROTOR & DC CONNECTIONS AT SITE USE	1							
	1-4	INSULATING MATERIAL FOR COMPLETE STATOR WINDING AT SITE (VARNISH& PAINTS)	4	600	600	1000	500	500	0.25	1.00
	1-4	INSULATING MATERIAL FOR COMPLETE STATOR WINDING AT SITE (INSULATION TAPS)	4	400	400	500	500	500	0.13	0.50
	1-4	INSULATING MATERIAL FOR COMPLETE STATOR WINDING AT SITE (OTHER ITEM)	4	1100	1100	1000	500	500	0.25	1.00
	1-4	ROTOR & DC CONNECTION AT SITE (SSSLI PAINTS)	4	100	100	500	500	500	0.13	0.50
	1-4	ROTOR &DC CONNECTION (INSULATING TAPE)	4	50	50	500	500	500	0.13	0.50
	1-4	ROTOR & DC CONNECTION (SOLDERING & OTHER ITEMS)	4	250	250	500	500	500	0.13	0.50
	UNIT		QTY							

		ITEM DESCRIPTION								
	COM MON	DRAINAGE & DEWATERING SYSTEM								
	1	ERW PIPES 40NB X 200M	1	1800	1800	700 0	1000	1000	7.00	7.00
	2	ERW PIPES 40NB X 250M	1	2500	2500	700 0	1200	1200	10.08	10.08
	3	ERW PIPES 60NB X300 M	1	4500	4500	700 0	1500	1500	15.75	15.75
	4	ERW PIPES 60NB X350M	1	4900	4900	700 0	1500	1500	15.75	15.75
	5	SUBMERSIBLE PUMPS	6	1500	9000	150 0	1500	2000	4.50	27.00
	6	VALVES	13	700	9100	120 0	1000	1200	1.44	18.72
	COM MON	EOT CRANE FOR POWER HOUSE - 01								
	1	Bridge Girder	2	15200	15600	120 00	1000	2200	26.40	52.80
	2	Bridge Girder	2	10000	10200	800 0	1000	2200	17.60	35.20
	3	Trolley	1	22000	22200	650 0	2500	3000	48.75	48.75
	4	Trolley	1	12000	12200	650 0	2000	3000	39.00	39.00
	5	End carriage	4	2500	2900	300 0	1000	1000	3.00	12.00
	6	LT Machinery	2	2000	2100	150 0	1200	1500	2.70	5.40
	7	Platform	6	3000	3240	630 0	1200	300	2.27	13.61
	8	MH Hook block	1	2500	2550	200 0	1000	900	1.80	1.80
	9	AH Hook block	1	300	340	100 0	400	600	0.24	0.24
	10	Wire Ropes	1	2000	2040	100 0	1000	800	0.80	0.80
	11	Cables	6	3000	3240	500	500	500	0.13	0.75
	12	Cabin	1	1000	1040	200 0	2500	2000	10.00	10.00

	13	Misc Mechanical	10	5000	5400	1000	500	300	0.15	1.50
	14	Misc Electrical	8	2400	2720	700	500	500	0.18	1.40
	15	Electrical accessories	5	2000	2200	5000	1000	500	2.50	12.50
	16	Panels	6	3000	3240	1000	300	1200	0.36	2.16
	17	Base Plates	10	6000	6400	6300	300	70	0.13	1.32
	18	Embedments & clamps etc.	5	4000	4200	1000	500	500	0.25	1.25
	19	DSL	4	1000	1160	5000	1000	500	2.50	10.00
	20	Gantry Rail	20	20000	20800	13000	100	200	0.26	5.20
	21	Spares & tools	5	2500	2700	500	300	300	0.05	0.23
	22	Slings	5	3000	3200	500	300	300	0.05	0.23
	23	Testing cradle	1	10000	10040	10000	3000	1000	30.00	30.00
	COM MON	VENTILATION AIR CONDITIONING SYSTEM FOR POWER HOUSE	1							
	1	VENTILATION AIR CONDITIONING SYSTEM FOR POWER HOUSE	12	600	7200	3000	1500	500	2.25	27.00
	2	VENTILATION AIR CONDITIONING SYSTEM FOR POWER HOUSE	10	450	4500	2000	1200	800	1.92	19.20
	3	VENTILATION AIR CONDITIONING SYSTEM FOR POWER HOUSE	8	300	2400	1500	1000	600	0.90	7.20
	COM MON	DIESEL GENERATING SET 500 KVA	1							

	1	DG Set	1	10500	10500	7000	250	2100	3.68	3.68
	2	AMF Panel	1	1400	1400	200	600	1800	0.22	0.22
	3	Daily Tank	1	800	800	1000	1000	1000	1.00	1.00
	COM MON	STARTER CONTROL PANELS FOR GENERATOR & TURBINE AUXILIARIES	4	300	1200	1200	600	1000	0.72	2.88
	COM MON	CABLES, CABLE SUPPORT SYSTEM AND CABLE ACCESSORIES	1							
	1	HT Cable	10	1500	15000	2000	2000	650	2.60	26.00
	2	LT Power Cable	40	1200	48000	1500	1500	600	1.35	54.00
	3	Control Cable	35	1000	35000	1500	1500	650	1.46	51.19
	4	Inst Cable	30	1000	30000	1500	1500	500	1.13	33.75
	5	Cable Tray	4000	20	80000	2500	600	10	0.02	60.00
	6	Cable Accessories	1	1500	1500	1500	1500	500	1.13	1.13
	7	Termination Kit	1	750	750	1500	1500	500	1.13	1.13
	COM MON	220V DC POWER SUPPLY SYSTEM FOR POWER HOUSE								
	1	220 Battery (4 racks) 120Kg Wt. each Cell & toatal cell 55 per rack	4	6600	26400	4000	1000	2300	9.20	36.80
	2	220 Charger - 2 Nos.	2	2000	4000	4600	450	2000	4.14	8.28

	3	220 v DCBD - 2 Nos.	2	2200	4400	3030	1047	2050	6.50	13.01
	COM MON	415V SWITCHGEAR SYSTEM	4							
	1	UAB	4	5300	21200	8600	1200	2100	21.67	86.69
	2	SSB	1	6300	6300	7100	1200	2100	17.89	17.89
	3	Misc Boards	5	600	3000	1600	1200	2100	4.03	20.16
	COM MON	ILLUMINATION SYSTEM	2							
	1	MLDB	2	1200	1200	1600	600	1800	1.73	3.46
	2	Lighting fixtures, wares, conduits etc.	1	5000	5000	1200	600	1000	0.72	1.44
	COM MON	CCTV SYSTEM & TELEPHONE SYSTEM	4	3000	3000	1200	600	1000	0.72	2.88
				Total Weight(A)	676348.00				Total Volume(A)	1521.003
B		Control & Monitoring System								
		UNIT CONTROL BOARD(UCB)	4 sets each consisting of	Weight (approx) /unit in KGs	TOTAL WEIGHTin KGs	L(M M)	B(M M)	H(M M)	VOLUME(C C)	Total volume
		Control & Monitoring Panel for Auto Sequence Control (ASC)	suite of 5	2500	10000	3804	800	2415	7.35	29.40

		Temperature Measurement Panel	1	800	3200	1000	800	2415	1.93	7.73
		Instruments & Gauge Panel	1	800	3200	1000	800	2415	1.93	7.73
		Local Control Board(LCB) for Switchyard	suite of 5 (common)	2500	2500	3053	800	2415	5.90	5.90
		Local Control Board(LCB) for Common station auxiliaries	suite of 4 (common)	2300	2300	3804	800	2415	7.35	7.35
		230 VAC UPS	1 set (common)	7000	7000	3000	1000	2200	6.60	6.60
		Battery for UPS	1 set (common)			1500	1000	2200	3.30	3.30
		24 VDC Battery System	1 set (common)	7000	7000	3000	1000	2200	6.60	6.60
		Battery for UPS	1 set (common)			1500	1000	2200	3.30	3.30
		Static Excitation System	4 sets each consisting of							
		Regulation Cubicle	1 suite	2100	8400	1900	1250	2295	5.45	21.80
		Field Suppression Cubicle	1	2000	8000	1500	1250	2295	4.30	17.21
		Thyristor Cubicle	2	3200	12800	1360	1250	2295	3.90	15.61
		Excitation Transformer Cubicle (Empty)	1	2000	8000	2000	1500	2500	7.50	30.00
		HMI System (PC,PRT, N/W pnl & Furniture)	Common for 4 units							

		Operator Stations mounted in desk	1 desk	1000	100	3600	1100	700	2.77	2.77
		Engineering Tool(Engineering station in table)	1 table	100	100	1500	750	750	0.84	0.84
		Data storage system(Storian station in table)	1 table	100	100	1500	750	750	0.84	0.84
		Printers in table	3 tables	100	300	2700	750	750	1.52	1.52
		Network panel	1 no	400	400	800	800	2415	1.55	1.55
				Total Weight (B)	73400			Total Volume (B)	170.05	
C		Rudarpur								
		Cable for Main Run	1 DRUM	12000	1200	2500	1200			8
		Cable for Tap-off Run	1 DRUM	800	800	1600	1000			6
		Assy. of SPVT Cubicle	1	2500	2500	1800	2000	2500	9.00	9
		Assy. of NG Cubicle	1	1000	1000	2500	1400	1600	5.60	5.6
		Termination kit	1	70	70	2000	4000	600	4.80	4.8
				Total Weight (C)	5570			Total Volume (C)	33.4	
D		Switchgear	4	2000	8000	2740	2030	3050	16.96	67.86
		Generators Relay Panels (GRP)	4	1200	4800	2500	2300	1300	7.48	29.9
				Total Weight (D)	12800			Total Volume (D)	97.76	

E	Unit	Tank Filling Pumps, Booster Pumps and Accessories	QTY.	Weight (approx) /unit in KGs	TOTAL WEIGHTin KGs	L(M M)	B(M M)	H(M M)	VOLUME(C C)	Total volume
	Nos.	Tank filling pumps (Motor Driven)	2	300	600					10
	Nos.	Booster Pumps (Motor Driven)	2	300	600					
	Nos.	Relay Panel for Pumps	2	50	100					
	Lot	Special Tools & Tackles	1	100	100					
		Hydrant System								
		MS Black Piping (Heavy. Gr. Of IS: 1239 & Gr. 410 of IS: 3589)								
		Pipe Over ground (MS)		Kg/m						
	Mts.	10"	250	100	25000					400
	Mts.	8"	600	90	54000					
	Mts.	6"	950	80	76000					
	Mts.	4"	3000	45	135000					
	Mts.	3"	750	30	22500					
	Mts.	2"	2500	15	37500					
	Mts.	1"	3000	6	18000					
	Mts.	1/2"	250	4	1000					
		Galvanized Piping (IS 1239)		Kg/m						
	Mts.	4"	250	15	3750					35
	Mts.	3"	350	11	3850					
	Mts.	2 1/2"	150	9	1350					
	Mts.	2"	600	7	4200					
	Mts.	1 1/2"	800	6	4800					
	Mts.	1"	250	3	750					
		Fittings								

	Nos.	Elbow	250		5500					5
	Nos.	Reducer	250							
	Nos.	Tee	100							
	Nos.	Elbow (Galv.)	2100							
	Nos.	Tee (Galv.)	2500							
	Nos.	Reducer (Galv.)	2200							
	Nos.	Flanges	3100		200					10
	Nos.	Gaskets	2100							
	Nos.	Stud Nuts	8100							
		Gate Valve (CI Body,PN16,as per IS 780)								
	Nos.	10"	20		3500					38
	Nos.	8"	20							
	Nos.	6"	10							
	Nos.	4"	50							
	Nos.	3"	80							
	Nos.	1"	10							
	Nos.	3/4"	30							
		Non return Valves (CI Body,PN16,as per IS 5312)								
	Nos.	10"	5		550					5
	Nos.	8"	5							
	Nos.	3"	5							
	Nos.	Basket Strainer 250 NB (Simplex type)	2							
		INSTRUMENTATION (For main fire water pump house)								

	Nos.	Pressure gauge	30		150					0.8
	Nos.	Pressure switch	40							
	Lot	Instrument Hook Up	1							
	Nos.	Level Switch	10							
		Flow Switch								
	Nos.	10"	6							
	Nos.	8"	6							
	Nos.	SS Hydrant valves (internal)	40		1800					8
	Nos.	RRL Hoses Type A (external) 15 m long	50							
	Nos.	MS Hose boxes 18 Guage (internal)	40							
	Nos.	Branch pipe, nozzle & coupling (internal)	40							
	Nos.	Air Release Valve	6							
	Nos.	Hose Reel	12							
		HVW Spray System for Generator Transformers, Aux Transformers and Station Transformers								

		Automatic Deluge valve assembly with all accessories		Kg/m						
	Nos	100 NB	15	45	675					
	Nos	80 NB	10	35	350					
		Isolation Valve for Deluge valve (Gate valves)								
	Nos	150 NB	50	35	1750					
		Y - Type strainer								
	Nos	150 NB	20	35	700					
		Piping (Over Ground Pipe)		Kg/m						
	Mts	100 NB G.I. Pipe	200	70	14000					60
	Mts	80 NB G.I. Pipe	200	65	13000					
	Mts	50 NB G.I. Pipe	200	50	10000					
	Nos	Spray Nozzles	800	0.5	400					
	Nos	Q B Detector	750	0.25	187.5					
	Nos	Deluge Valve Local Control Panel (DVLCP)	25	20	500					
		MVW System for Cable galleries, Offices etc.								
		Alarm Valve								
	Nos	80 NB	10	10	100					38
	nos.	spray nozzle	600	0.5	300					

		Piping (Over Ground Pipe)								
	Mts	150 NB G.I. Pipe	200	80	16000					
	Mts	80 NB G.I. Pipe	100	50	5000					
	Mts	50 NB G.I. Pipe	100	50	5000					
	Mts	25 NB G.I. Pipe	100	25	2500					
		Fire Detection Alarm System								
	No.	Analogue , addressable, networkable, microprocessor based fire alarm panel	1	50	50					
	No.	Repeater panel	1	20	20					
	No.	PC , Printer & Furniture	1	50	50					
	Lot	Addressable Multisensor detector with mounting base & junction box	1	40	40					28
	Nos.	Addressable Manual Call Point	50							
	Nos.	Addressable Hooter cum strobe	50	200	200					
	Nos.	Monitor module	400							

	Nos.	Control module	200							
	Nos.	Response indicator	50							
	Nos.	Siren 1 Km Range	1	10	10					
	Lot	Digital type LHS Cable	1	250	250					
		Cables (Power / Control)								
	Lot	2C x 2.5 sqmm	1	200	200				6	
	Lot	4C x 1.5 sqmm	1							
	Lot	Inert Gas system for Control room	1	750	750				20	
		Fire Extinguishers								
	Nos.	Pressurised water type (9 lit. cap.)	5	4500					32	
	Nos.	Foam type (9 lit. cap. IS: 15683)	10							
	Nos.	CO2 type (4.5 kg. Cap. IS: 15683)	70							
	Nos.	CO2 type (22 kg. Cap. IS: 15683)	5							
	Nos.	Dry Chemical powder (ABC Type, 6 kg. Cap. IS: 15683)	35							

	Nos.	Dry Chemical powder (ABC Type, 9 kg. Cap. IS: 15683)	20							
				Total Weight (E)	477332.5				Total Volume (E)	695.8
F		Transformers		Weight (approx) /unit in KGs	TOTAL WEIGHTin KGs	L(M M)	B(M M)	H(M M)	VOLUME(C C)	Total volume
	SET	20MVA Transformer	4	35000	140000	3800	3000	3000	34.20	136.80
		FOUNDATION HARDWARE	4	225	900	900	700	400	0.25	1.01
		ROLLERS	4	390	1560	950	950	450	0.41	1.62
		HARDWARE, CLIP	4	150	600	650	650	400	0.17	0.68
		MISC, PACKED STEEL ITEMS	4	165	660	950	750	550	0.39	1.57
		GASKETS	4	140	560	1220	800	550	0.54	2.15
		LOOSE VALVES	4	410	1640	1000	1000	400	0.40	1.60
		INSTRUMENT	4	95	380	1600	850	550	0.75	2.99
		LADDER ASSEMBLY	4	290	1160	2950	550	620	1.01	4.02
		H V TURRET & LVN TURRET	4	1820	7280	2500	1500	1200	4.50	18.00
		RADIATORS	4	4668	18672	2940	1550	2400	10.94	43.75
		RADIATORS	4	4668	18672	2940	1550	2400	10.94	43.75
		FANS	4	425	1700	2000	800	450	0.72	2.88
		FANS	4	550	2200	1350	1350	470	0.86	3.43

		FAN SUPPORT	4	455	1820	275 0	1750	900	4.33	17.33
		HEADER	4	1200	4800	575 0	1100	750	4.74	18.98
		A FRAME	4	710	2840	405 0	1600	700	4.54	18.14
		COLLING PIPE WORK	4	580	2320	300 0	1250	900	3.38	13.50
		MAIN CONSERVATOR	4	800	3200	230 0	1605	1200	4.43	17.72
		MAIN CONSERVATOR PIPE WORK	4	650	2600	355 0	1150	600	2.45	9.80
		TERMINAL CONNECTOR / ALL PI. PLATES	4	25	100	700	500	300	0.11	0.42
		POST INSULATOR	4	80	320	600	350	600	0.13	0.50
		COPPER STRIP	4	90	360	800	300	300	0.07	0.29
		ALL STEEL ITEMS OF N. GROUNDING	4	75	300	195 0	850	400	0.66	2.65
		CABLE + CABLE GLAND	4	250	1000	120 0	1200	625	0.90	3.60
		CABLE TRAYS	4	150	600	265 0	500	400	0.53	2.12
		MARSHALING BOX.	4	550	2200	165 0	550	1850	1.68	6.72
		EXPANSION BELLOWS	4	70	280	900	700	400	0.25	1.01
		145 KV. H.V. BUSHING	4	300	1200	330 0	550	600	1.09	4.36
		145 KV. H.V. BUSHING	4	300	1200	330 0	550	600	1.09	4.36
		145 KV. H.V. BUSHING	4	300	1200	330 0	550	600	1.09	4.36
		36 KV. H.V.N BUSHING	4	100	400	160 0	400	400	0.26	1.02
		17.5 KV. BUSHING	4	120	480	120 0	1000	450	0.54	2.16

		HYDROLIC JACK	4	275	1100	122 0	800	650	0.63	2.54
		RAIL SIZE 52KG/MTR IN 13MTR LENGTH	4	11000	44000	740 0	700	700	3.63	14.50
		TRANSFORMER OIL , 21 pallets each pallets contains 4 Nos.drums(84 Drum)	4	17136	68544	115 0	1150	1030	28.61	114.42
		TRANSFORMER OIL , 1 pallets each pallets contains 3 Nos.drums(3 Drum)	4	600	2400	115 0	1150	1030	1.36	5.45
	SET	5MVA Transformer	1	20000	20000	550 0	2350	2900	37.48	37.48
				Total Weight (F)	359248			Total Volume (F)		567.66
				Total Weight (Approx)	1604698.50					
				Total Volume (Approx)	3085.66					

Note: The above list is based on Engineering Design , however shipment shall be as per actual dimensions. The cargo volume / Gross Weight of the cargo / no. of packages may undergo change.. Payment will be made on actual no of containers shipped and rate finalized as per price Bid.

The scope of work covers the following:

The entire cargo of approx 3000 Freight Tons +/-20% shall be shipped in multiple lots in SOC Containers (Except 4X20 MVA and 1x5MVA Transformers) arranged by contractor from Nhava Sheva/JNPT port to Dar-es-salaam port (Discharge port). **However Cargo comprising of 4x 20MVA Transformers and 1x 5MVA Transformers will be shipped in FR containers on COC basis.** The contractor is required to go through the scope of work as detailed below. The cargo will be shipped in a time span of 18 Months from July 2015 till Dec 2016 from Nahva Sheva/JNPT port.

Load Port: Nhava Sheva/JNPT Port, India

Discharge Port: Dar-es-salaam, Tanzania

The scope of work includes:

- 1) Arrange for suitable covered storage area/warehouse near JNPT to receive and consolidate cargo from BHEL or BHEL's vendors. The size of the warehouse should be enough to store at least 200 Freight Tons of material at a time. The successful contractor will have to intimate the address / location to enable BHEL / BHEL's vendors to deliver the project cargo.
- 2) The contractor shall arrange for safe unloading of the cargoes received at the warehouse and issue proper receipts to the transporter. The contractor has to ensure the safety of cargo in his custody and keep proper record of arrival and dispatch of cargo to /from the warehouse or warehouse and send weekly updates to BHEL via email giving details of the packages as well as LR, consigner details etc.
- 3) Contractor to inform BHEL sufficiently in advance the input documents required for Export custom clearance. Arrange for customs clearance of the materials at load port i.e Registration of DEEC license with customs, collection of export documents from our office, processing the multiple shipping bills (*DEEC / drawback etc as the case may be as advised by BHEL from time to time*) and providing necessary endorsed documents of export (EP & EC copy of S/Bills, ARE-1 endorsed by customs, SDF etc.) including processing of drawback claim and ensure the same is received by BHEL in their bank account.
- 4) Arrange for Loading of the materials from the contractor's warehouse and transportation to the CFS. Take all the necessary permissions from the relevant agencies at CFS for carting of cargo without any involvement of BHEL, arrangement of Suitable container SOC or COC (SOC container on non returnable basis) in CFS nominated by contractor in seaworthy conditions, stuff the container ,lashing of the cargo transport the loaded container to the vessel and load the containers on the vessel at JNPT. All CFS/ THC charges to be borne by the contractor. The contractor is free to choose the warehouse as stuffing point however no additional cost for movement of empty container or loaded container from CFS to warehouse and warehouse to CFS will be given.
- 5) Wherever FR containers are required as per packing list it will be arrange on COC basis. Cargoes in such containers are to be shipped on FCL basis and delivered to the discharge port CFS on CFR terms.
- 6) The SOC containers shall be treated as BHEL property and cost of containers are to be included in price quoted by contractor in price Bid.
- 7) Arranging survey of empty containers from licensed surveyor and provide survey report before shipment and no addition cost is applicable for survey.
- 8) Contractor has to ensure that the SOC containers are seaworthy and has clear CLC Plate.
- 9) All CFS/Warehouse charges including storage charges, container cost on non returnable basis , stuffing cost, lashing cost and any other cost if any, will be to the contractor's account. **Cargo shall be moved on full container load only.**
- 10) The Price offered in Price Bid should include:
 - a. Unloading at warehouse, Storage in closed warehouse nearby JNPT.
 - b. Loading on vehicle, Movement till CFS, carting in suitable area & custom clearance.
 - c. All the necessary charges of lashing/securing of the cargo.
 - d. Any or all leviable GRI/RRI
 - e. All insurance costs covering risk of operations undertaken (Cargo / goods will be insured by BHEL or consignee).
 - f. THC, CFS charges (including storage) and other delivery charges at load/interim/Transit Ports.
 - g. 15 Days detention free period at discharge port for COC FR containers
 - h. Vessel arrival to suit to availability of Cargo as indicated.

- 11) Cargo will be shipped in multiple lots and the contractor should make all efforts to ship the cargo within 20 days from the date of handing over complete export documents by BHEL for particular LOT or BHEL instruction for shipment whichever is later.
- 12) Contractor must give suitable intimation to the consignee one week advance before the arrival of cargo at Dar es Salam port and must submit proof to BHEL.
- 13) Contractor to ensure that OB/L is released on next day of ship sailing date. If issue of OB/L delayed then penalty of **Rs 1000/- per day** will be charged starting from 4th working day of ship sailing date (sailing date exclusive) irrespective of time of sailing.
- 14) The contractor will have to ensure pre shipment joint survey & measurement of cargo and notify BHEL for the condition of the cargo prior to stuffing in the SOC / COC containers and their loading on the vessel. The cargo must be delivered without any deterioration/damage with respect to the pre shipment survey done.
- 15) Insurance of the cargo up to site shall be arranged by BHEL. However the CONTRACTOR to ensure:
 - a) Lodging of first information to the underwriters and the other parties to protect BHEL's claim as required.
 - b) Immediate forwarding of information as required enabling us for lodging the claim with the Underwriters.
 - c) Co ordinate with the Insurance Company for survey etc.
- 16) Provide stuffing Reports and container Load plan on Packages stuffed in each container.
- 17) Contractor has to ensure that all the containers are delivered to the nearest CFS of the shipping company at the discharge port.
- 18) The contractor should ensure that the all cargo are stuffed on FCL ensuring optimum use of container.
- 19) It is the responsibility of the contractor to ensure that the vessel / vessels used for sea freighting complies with all the necessary national / international / insurance /safety regulations and its age is less than 25 years. The vessel / vessels used are certified for sea worthiness by Lloyds Register or Equivalent and should be with Institute of Marine Cargo clauses 1 or A. (A shipping company certificate certifying this should be given with each BL).**The contractor must submit a compliance certificate from shipping company / agent confirming compliance of these requirements for Bill of Lading.**
- 20) Vessel should meet all necessary insurance regulations and covered with the insurance clauses and duly certified by any of the recognized certifying agencies. Vessel shall have all the requisite certifications for berthing at both the ports without any liability to BHEL. No delay on this account will be permitted.
- 21) Take all the necessary permissions from the relevant agencies at Port for carting of cargo without any involvement of BHEL.
- 22) B/L must indicate "GOODS IN TRANSIT TO KATENDE D R OF CONGO". Contractor to ensure that draft BL is approved by BHEL before the ship sails.
- 23) Incase BHEL desires to surrender the OBLs at Mumbai for delivery at discharge Port, the procedure for B/L surrendering will have to be done by the contractor at no additional cost to BHEL.
- 24) EP copy: Contractor to ensure there is no EGM error in custom due to which release of EP copy is delayed. If it found later on that there EGM error then contractor has to resolve the issue with custom. Else the cost towards the same will be recovered from contractor bill.

- 25) The contractor shall keep contact with consignee/Agent for direct delivery or delivery to ensure that vessel is not detained at the discharges port. No vessel detention charges are payable at the discharge port by BHEL in case of any delay for receipt of materials by consignee.
- 26) You will follow all local laws / acts / rules prevailing in Transit while transporting the cargo without any liability to BHEL and indemnify BHEL from any mishap / claims while undertaking the work.
- 27) Arranging for F.E.R.I Certificate for shipping of cargo into D.R Congo if required. This activity is optional and will be done only on specific instruction from BHEL. Payment will be done as per rates quoted in optional schedule "D" of price bid, will be paid if availed.
- 28) Wherever COC FR containers are used, the contractor have to give 15 days free detention period at discharge port.

Sign and Seal of the Bidder

SECTION III

INSTRUCTIONS TO BIDDERS

1. Bidders are advised to go through the tender document fully before filling up the tender on E-portal for PQR(Part I);Techno-commercial bid (Part II) and Price bid (Part III).
2. The contractor will have to ensure that the cargo is shipped / transported out at the earliest as per scope of work.
3. The bidder while submitting the offer should consider the shortest, most safe ,economical and reliable logistics to be adopted for transportation of cargo.
4. The tender will be conducted and evaluated online through e-Procurement System. The bidder shall submit his response through bid submission to the tender on e-Procurement platform at <https://bheleps.buyjunction.in>.
5. In case of any difficulty in operating the E-Tendering System, please call up our developer's Help Desk m Junction Services Ltd. at 033-6601 1717 or BHEL representative, Mr. Vaibhav Khanna at 9930231133. Please ensure the submission of your most competitive offer before the due date in the E-Tendering Portal to avoid last minute hustle.
6. DSC requirement for Participation in the Tender through eProcurement

The process of utilizing e-procurement necessitates usage of DSC (Digital Signature Certificate) (Class – III, SHA 2, 2048 BIT – Signing and Encryption) and vendors are requested to procure the same immediately if not available with them. Please note that only with DSC of above mentioned specification, the interested bidder will be able to login the e-procurement secured site and take part in the tendering process.

The contact details of the DSC Certifying authorities are given below

Sr No	CA	Website Address
1	e-Mudhra	http://www.e-mudhra.com
2	GNFC	http://www.ncodesolutions.com
3	IDRBT	http://www.idrbtca.org.in
4	MTNLTrustline	http://www.mtnltrustline.com
5	NIC	http://www.nic.in
6	Safescrypt	http://www.safescrypt.com
7	TCS	http://www.tcs-ca.tcs.co.in

Registered vendors of BHEL, ROD Mumbai may participate in the tender directly on BHEL, ROD Mumbai e-Procurement portal at address <https://bheleps.buyjunction.in>.

The new vendors who are not registered with BHEL, ROD Mumbai and are interested to participate in the tender will have to register and map their respective Digital Signature Certificate with specification Class-III, SHA-2, 2048 bit Signing and Encryption at BHEL e-Procurement website: <https://bheleps.buyjunction.in> . For registration assistance, users may please contact Mjunction Helpdesk @ 033-6601 1717 between 9.30 am till 5.30 pm.

7. The offers shall be kept valid for a period of 2 **month** from the date of opening of the tender.

8. BHEL reserves the right to accept any tender or part of tender or to reject all tenders without assigning any reasons thereof.

9. The offers shall be submitted on E-portal as follows

(A) Pre Qualification Bid (Part-I)(To be submitted online on E-portal with uploaded copy of documents & original documents to be submitted to BHEL on or before due date)

PQR bids of only those bidders will be opened/Decrypted on online portal who has submitted EMD and other relevant documents pertaining to PQR in hard copy to BHEL on or before due date of tender.

PQR Bid comprises of followings:

1. All documents mentioned/required as per in Section-I i.e Pre Qualification Requirement for bidders.
2. Application form duly filled as per section I.
3. Self certifications as per section I.
4. Demand Draft in favors of BHEL for Rs 200000/- (Rs Two lakh only) as EMD. Offers without requisite E.M.D. will be rejected.

(B) Technical Bid (Part-II) (To be submitted online on E-portal only. No Hard copy will be accepted)

Technical bids of only those bidders will be opened/Decrypted on online portal who qualify in PQR (Part I)

Technical bid comprises of followings:

1. Entire tender document along with blank price bid duly signed and stamped on each page scanned and uploaded on e-portal.
2. Compliance letter on letter head (Section VIII) duly signed and stamped scanned and uploaded on e-portal
3. Techno commercial bid in excel format available on e-portal/downloaded from e-portal digitally signed and uploaded on e-portal (Section VI).

All the above mentioned documents duly signed , stamped and scanned copy shall be uploaded on E-procurement portal while submitting online bids.

(C) Price Bid (Part –III)

Price bids of only those bidders will be opened/Decrypted on online portal who qualify in PQR (Part I) & Technical Bid(Part II).

Price bid comprises of followings

1. Carefully filled Prices as per the format in this tender document (Section VII) in excel form digitally signed and uploaded on E-procurement portal. Prices must be quoted both in figures and in words necessarily without fail as per the format in this tender document. In case of variation between the price offered in figures and in words, the price offered in words will prevail.
2. The price offers must be made only in the formats enclosed with this tender/Excel downloaded from portal.
3. BHEL reserves the right to go for Reverse Auction (RA) instead of opening the price bid (Part III) of technically qualified bidders.

Tenders complete in all respects shall be submitted on online e-procurement portal on or before due date.

10. EVALUATION CRITERIA:

- (a) Technical offers (Part II) of Parties who qualify in the Pre Qualification Requirement will only be opened/decrypted on online portal and considered for evaluation.
- (b) Price bids offers (Part III) of Parties who qualify in the Technical offer (Part II) will only be opened/decrypted on online portal and considered for evaluation. BHEL reserves the right to go for Reverse Auction (RA) instead of opening the price bid (Part III) of technically qualified bidders.
- (c) The schedule A + schedule B+ schedule C of price bid are considered for price evaluation. Exchange rate of tender due date shall be taken for conversion of USD –INR for evaluation purpose.
- (d) Schedule D will not be considered for Price evaluation.
- (e) The order shall be awarded to one party only.

Sign and Seal of the Bidder

SECTION-IV

SPECIAL CONDITIONS

- (1) The Special Conditions mentioned herein will supersede the General Terms and Conditions mentioned in SECTION – V.
- (2) Draft BL has to be approved by BHEL. BL has to be clean and mentioned 'FREIGHT PREPAID' and "**SHIPPED ON BOARD**".
- (3) **Following documents shall be required after shipment :-**
 - a) Three Originals of Freight Pre Paid B/L along with requisite no of Non negotiable copies.
 - b) Freight Invoice (Original + 2 Copies).
 - c) Survey report of container.
 - d) Container Load plan of each container.
 - e) Statement of Facts from the agent at Discharge Port or Discharge certificate from shipping line or discharge port authorities.
 - f) Documents/ relevant email correspondences with consignee / site.
 - g) Copy of Cargo Arrival Notice given to the consignee
 - h) Compliance certificate from shipping company / agent confirming compliance of requirement of ship as mentioned in detail scope of work.
 - i) Export Landing certificate.
 - j) Original Exchange control copy of S/B clearly showing out of charge date.
 - k) Endorsed ARE 1
 - l) Original EP S/B
 - m) In case of DBK S/B dbk amount/scroll copy
- (4) Two consecutive delays, for reasons of delay attributed to the Contractor, in execution of the contracts where delay occurred is such that
 - a) Prescribed maximum transit time limit of the contract is reached/exceeded or
 - b) Delay period has equaled/exceeded the original transit time period specified in the contracts
Whichever among the above is earlier may result in the Contractor being put on hold for future enquiries.
- (5) Transit Period: TRANSIT TIME of 60 days will start from the date of handing over complete export documents by BHEL for particular LOT or BHEL instruction for shipment whichever is later and end on berthing of ship at discharge port For delay beyond the transit time of 60 Days the transit penalty shall be 5% per week Prorata, limited to a maximum of 10% of the total contract amount for that particular lot.
- (6) 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 the banned firms are available on BHEL website www.bhel.com on "supplier registration page".
- (7) Bidders must go through Guidelines for suspension of business dealings. Guidelines for suspension of business dealings with suppliers/contractors are available on website www.bhel.com on "supplier registration page".
- (8) **Security Deposit:**

If the contractor fully performs and completes the works in all respects to the entire satisfaction of BHEL and presents an absolute "No Demand Certificate" in the prescribed form and returns properties belonging to BHEL taken, borrowed or hired by him for carrying out the said works, the amount of Security Deposit will be released to the contractor after deducting all costs , expenses and other amounts that are to be paid to BHEL under this or other contracts entered into with the Contractor. It may be noted that in no case the Security Deposit shall be refunded / released prior to passing of final bill.

Sign and Seal of the Bidder

SECTION V

GENERAL TERMS AND CONDITIONS

The following terms shall have the meaning hereby assigned to them except where the context requires otherwise:-

- 1.1 Company shall mean Bharat Heavy Electricals Limited, in short BHEL, a Company registered under Indian Companies Act 1956, with its Registered Office at BHEL House, Siri Fort, New Delhi-110 049, India and includes a duly authorized representative of the Company or any other person empowered in this behalf by the Company to discharge all or any of its functions.
- 1.2 "CONTRACTOR" shall mean the individual, or firm or Company who enters into this Contract with BHEL and shall include their executors, administrators, successors and assigns. "CONTRACTOR" shall also mean "AGENT" or "CARRIER" or "TRANSPORTER" or "MTO" where the context so requires.
- 1.3 "SITE" shall mean the place or places, including Discharge Port or Project store or any other place/location, as specified in the contract, at which the Cargo/ equipment are to be delivered and services are to be performed as per the specifications prescribed in the contract
- 1.4 The "CONTRACT" or "CONTRACT DOCUMENT" shall mean the notice inviting the tender, the tender and acceptance thereof and the formal agreement, if any, executed between the Company and the Contractor together with the documents referred to therein including the work order, the accepted appendices of rates, Schedules of Quantities (if any), General Terms and Conditions of Contract, Special Conditions of Contract, Instructions to Bidder, the drawings, the Technical Specifications and the Special Specifications (if any).
- 1.5 Any conditions or terms stipulated by the bidder in the tender documents or subsequent letters shall not form part of the Contract unless specifically accepted in writing by BHEL and incorporated in the Agreement.
- 1.6 "TENDER SPECIFICATIONS" shall mean the Scope of Work, Special Instructions / Conditions, Technical specifications/requirement , Appendices, Site Information and drawings pertaining to the work and any other relevant reference in the Tender Document for which the Bidder are required to submit their offer.
- 1.7 "APPROVED" "DIRECTED" or "INSTRUCTED" shall mean approved, directed or instructed by BHEL.
- 1.8 "SINGULAR AND PLURAL" etc. words carrying singular number shall also include plural and vice versa, where the context so requires. Words imparting masculine gender shall be taken to include the feminine gender and words imparting persons shall include any Company or Association or Body or Individuals, whether incorporated or not.
- 1.9 "VALIDITY OF THE CONTRACT" The contract will remain valid till the date specified in the contract after considering time extension(s), if any granted by the Company to the contractor. Where validity date is not specified, the contract will remain valid till all the activities specified therein are completed in all respects to the satisfaction of BHEL or where the Company has decided to modify (increase/reduce) the scope of work, on completion of such modified scope of work to the complete satisfaction of BHEL.
- 1.10 "COMPLETION OF THE CONTRACT" The contract will be treated as complete on full and final settlement by BHEL of all Bills / invoices raised under the contract by the Contractor with no claim on either side.

2.0 DISCREPANCY AND CONTRADICTION

- 2.1 The several documents forming the contract (cl.1.4 above) are to be taken as mutually explanatory of one another. In case of any contradiction in the terms and conditions as specified in the Special Conditions of Contract and General Conditions of Contract the Special Conditions will prevail over the General Conditions of contract.
- 2.2 In case of contradiction between Special conditions of contract and Notice Inviting Tender (NIT), Instructions to Bidder, the Technical Specifications and the Special Specifications (if any). The technical specification and the special specification will prevail over Special conditions.
- 2.3 In case if the contradiction in the Tender terms and conditions could not be resolved on the above basis, GM/ROD (Mumbai)/BHEL or his authorised representative shall be the deciding authority with regard to intention of the contract.

3.0 ISSUE OF NOTICE:

- 3.1 The Contractor shall furnish the name, designation and addresses of his authorized agents/associates at Mumbai (India), at the Load Port and at the discharge Port. All complaints, notices, communications and references shall be deemed to have been duly given to the Contractor, if delivered to the Contractor or his authorized agent/representative through any mode (e-mail, telegram, fax, letter by courier, ordinary post / registered post / hand delivery or by any other means etc.).

4.0 ARRANGEMENT OF SHIP:

- 4.1 The Contractor shall arrange the ship(s) also on specific intimation(s) from BHEL in writing or the time/schedule indicated in the LOI / Work order / Contract without delay. If the contractor fails to do the same as per the terms of Order/Contract/intimation, BHEL, at its sole discretion will have the right to cancel the Order/Contract. His Earnest Money and/or Security Deposit will stand forfeited without prejudice to any and all of BHEL's other rights and remedies in this regard.
- 4.2 Before arrival of the Ship, the Contractor will inspect the cargo available in Port whether under the custody of the Contractor or BHEL or its supplier or any other authorized representative and ensure its sea worthiness. Any deficiency in this regard shall be brought to the notice of BHEL in writing suggesting remedial measures to enable BHEL to make it sea worthy. Alternatively, such action can be taken by the contractor after obtaining written approval of BHEL to the action as well as to the cost. Such cost incurred by the contractor shall be reimbursed by BHEL to the contractor. After such remedial measures, the contractor shall be responsible for loading of the cargo on the Ship arranged by the contractor as per cl.3.1 above.
- 4.3 The contractor shall also intimate BHEL in writing about the documents required for loading of the cargo on the ship. He will be responsible for examination of all the required documents before arrival of the Ship and any discrepancy in the same shall be attended to by the Contractor /BHEL in time to ensure loading on the Ship arranged by the Contractor as per cl.3.1 above.

5.0 DETENTION OF THE SHIP :

- 5.1 It will be the responsibility of the contractor to ensure that all the declared and available cargo is loaded on the ship in time without its detention. If the ship is detained without any written request from BHEL, the contractor shall be fully responsible for detention of the Ship and BHEL shall in no way be liable to pay any detention charges whatsoever.

6.0 DEVIATION / VARIATION IN SPECIFICATION & PRICING

- 6.1 The specification/dimension/wt of the individual equipment given in the tender/contract is approximate and may vary to any extent. This will, therefore, not be a reason for the Contractor to abandon the work. He will be fully responsible to undertake the work as per the terms & conditions of the contract.
- 6.2 On account of variation in the scope of work due to change in the specification/dimensions/wt., the contract rate will be modified on pro-rata basis in proportion to the variation in the dimensions/wt. of the individual equipment.

- 6.3 Similarly, the quantity given in the tender/contract is only approximate and may vary to any extent and the contractor will be responsible to execute the revised quantity (as per the written amendment of BHEL) on the same rates, terms & conditions of the original contract.
- 6.4 The contractor will continue to execute the revised qty. and / or equipment (with or without variation in the specification/dimensions/wt.) beyond the original validity of the contract on receipt of written time extension from BHEL.
- 7.0 INVOICES AND PAYMENT TERMS:**
- 7.1 The Operator will be required to raise the Invoice for the services rendered. The Invoices will have to be raised according to the explicitly agreed rates and payment terms of the contract.
- 7.2 90 % Shipment Freight bill **(including container cost ,custom clearance cost ,freight from JNPT port till Dar es salaam Port i.e Sch A+Sch B+Sch C)** shall be paid within 15 days of submission of relevant documents after shipment.
- 7.3 Balance 10% of the ocean freight **(including container cost ,custom clearance cost ,freight from JNPT port till Dar es salaam Port i.e Sch A+Sch B+Sch C)** shall be paid upon submission of SOF and submission of relevant documents. Penalty, if any shall be recovered from these bills.
- 7.4 For Ocean freight payment, INRs-USD/EURO exchange rate shall be as per SBI/India TT Selling exchange rate prevailing on the date of sailing of the vessel will be applied. In case above dates fall on holidays the Exchange rate as defined above should be considered for the next working day. The port charges at discharge port/transit ports if any shall be included in the freight. The cross country exchange rates of USD/EURO shall be taken on the day of payment additional port charges (Demurrages etc.) for reimbursement on the day of payment. Wherever the bill are in other language translation needs to be made for payment purpose.
- 7.5 The Freight shall be paid on the actual quantities Shipped /Transported.
- 7.6 The payments shall be made through RTGS/NEFT. The contractor would be required to submit bank details for receiving the payments.
- 7.7 Even if the prices offered are inclusive of Taxes, the contractor will have to produce invoices showing the tax elements separately.
- 7.8 In case the, TDS is not to be made, the contractor will have to produce the exemption letter from the relevant authorities to this effect.
- 7.9 No Service Tax shall be payable/ reimbursed as these being export good on Ocean/Overseas activities.
- 7.10 **Following documents shall be required to be provided with contractors bills:-**
- For 90% Bill:**
- a. Three set of Freight Pre Paid B/L & Freight Invoice with all supporting documents (Original + 2 Copies),
 - b. Sailing report/Track report from the agent/master/shipping co.
 - c. OBL delivery date with receipt copy signed by BHEL authority.
 - d. Survey report of containers.
 - e. Original Exchange control copy of S/B clearly showing out of charge date
 - f. Container Load plan/Stuffing report.
 - g. Compliance certificate from shipping company / agent confirming compliance of requirement of ship as mentioned in detail scope of work.

For 10% Bill:

- a. Three set of Freight Pre Paid B/L & Freight Invoice with all supporting documents (Original + 2 Copies), with covering page shows date of sailing, date of delivery at discharge till nominated area/CFS at discharge port ,Transit time calculation, LEO date of the invoices, Transit penalty if any.
- b. Sailing report/Track report from the agent/master/shipping co.
- c. Endorsed ARE 1
- d. Original EP S/B
- e. In case of DBK S/B dbk amount/scroll copy.
- f. Copy of Cargo Arrival Notice given to the consignee.
- g. Statement of Facts from the agent at Discharge Port or Discharge certificate from shipping line or discharge port authorities.
- h. Export landing certificate.

8.0 RISK PURCHASE:

BHEL reserves to itself the following rights in respect of this Contract without entitling the Contractor for any compensation.

- 8.1 If at any time during the validity of the contract, the contractor fails to render all or any of the services required under the scope of work of the contract satisfactorily in the opinion of BHEL, whose decision shall be final and binding on the contractor, BHEL reserves the right to get the work done by other parties or departmentally at the risk and cost of the contractor and also forfeit the security deposit.
- 8.2 To recover any moneys due from the Contractor, from any money due to the Contractor under this or any other contract or from the Security Deposit., of this or any other contract.
- 8.3 To claim compensation for losses sustained including BHEL's supervision charges & overheads in case of termination of Contract.

9.0 OBSERVANCE OF LOCAL LAWS :

- 9.1 The Contractor shall comply with all Laws, Statutory Rules, and Regulations etc. The Contractor shall obtain all necessary permits/approval from the local Governing Body, Police and other concerned Authorities as may be required under law.
- 9.2 The Contractor shall pay all taxes, fees, license charges, deposits, duties, tolls, royalty, commissions or other charges that may be Leviable on account of any of the operations connected with the execution of this contract.
- 9.3 The Contractor shall be responsible for the proper behavior and observance of all regulations by the staff employed.

10.0 SAFETY OF MEN, EQUIPMENT, MATERIAL & ENVIRONMENT:

- 10.1 All safety rules, codes applied by BHEL/its customer at site shall be observed by the Contractor and his workmen without exception. The Contractor shall be responsible for the safety of the equipment/materials and work to be performed by him.

11.0 INSURANCE:

- 11.1 BHEL shall arrange for insuring the project materials/properties of BHEL covering the risks during transit and material handling at port(s).
- 11.2 The Contractor shall during the performance of the contract take a suitable insurance to cover against bodily injury, death or damage to property of the Contractor or his employees.
- 11.3 The Contractor shall during the performance of the contract take out a Third Party insurance cover against bodily injury or death suffered by any third party/parties or damage to property

occurring during the course of execution of this contract in accordance with appropriate statutory requirements.

- 11.4 If due to Contractor's carelessness, negligence, non-observance of safety precautions, improper security arrangements or due to non-compliance of paper work needed for lodging insurance claim, damage to BHEL/its Customer's property, and if BHEL is unable to recover its claim from the Insurance Company, the deficit will be recovered from the Contractor.

12.0 FORCE MAJEURE:

- 12.1 Acts of God, Act of any Government, war, blockades, Sabotage, riots, civil Commotion , insurrection, terrorist acts, acts of Public enemy, Flood, Storms, Washouts, Fire, Explosion, land slides, lightning, Cyclone, Earthquake, epidemics, quarantine restrictions, arrest and restraints of the government, necessity for compliance with any court order, law ordinance or regulations promulgated by any governmental authority having jurisdiction, either federal /state /civil or military, strikes or other industrial disturbances, lockouts and other similar causes / events over which the Contractor has no control.

- 12.2 If the Contractor suffers delay in the due execution of the contract, due to delays caused by force majeure conditions, as defined above, the agreed time of completion of the work covered by this contract may be extended by a reasonable period of time provided notice of the happening of any such cause / event is given by the contractor to BHEL within 14 days from the date of occurrence thereof.

- 12.3 The Contractor by the reason of such events shall neither be entitled to terminate this contract nor shall have any claim for damages against BHEL in respect of such non-performance or delay in performance and deliveries under the contract shall be resumed as soon as practicable after such event has come to an end or ceased to exist, and the decision of BHEL as to whether the deliveries have been so resumed or not shall be final and conclusive.

- 12.4 Force Majeure conditions will apply on both sides.

13.0 PREVENTION OF CORRUPTION:

- 13.1 Canvassing in any form or any attempt to influence directly or indirectly any official of BHEL will lead to rejection of the bid and forfeiture of the Earnest Money Deposit.

- 13.2 BHEL shall be entitled to cancel the contract and to recover from the Contractor the amount of any loss resulting from such cancellation, if the contractor has offered or given any person any gift or consideration of any kind as an inducement or reward for doing or intending to do any action in relation to the obtaining or the execution of the contract or any other contract with BHEL or for showing or intending to show favour or disfavour to any person in relation to the contract with BHEL, if the like acts shall have been done by any persons employed by him or acting on his behalf whether with or without the knowledge of the Contractor in relation to this or any other contract with BHEL.

14.0 ARBITRATION

- 14.1 If any time, any questions, disputes or differences what so ever arising out of or in any way concerning the contract between BHEL and the Contractors, the same shall be referred to the sole arbitrator i.e. Head, BHEL, ROD or nominee appointed by him in writing. The arbitration shall be conducted in line with the provisions Indian ARBITRATION AND CONCILIATION ACT, 1996. The award of the arbitrator shall be final and binding on both the parties.

- 14.2 The contract shall continue to be operated during the arbitration proceedings unless otherwise directed in writing by BHEL or unless the matter is such that the contract cannot be operated till the decision of the arbitrator is received.

- 14.3 The place of Arbitration will be BHEL, ROD office, Mumbai.

15.0 LAWS GOVERNING THE CONTRACT:

15.1 The contract shall be governed by the Indian Laws for the time being in force and only courts in Mumbai, India shall have jurisdiction over this contract.

16.0 INDEMNITY:

17.1 The Contractor shall indemnify and keep indemnified BHEL all losses, claims etc. arising out of any of his acts or out of the acts of his agents or associates or servants during the currency of the contract.

17.0 SHORT – LANDED OR DAMAGED GOODS.

17.1 It shall be the responsibility of Contractor to give notice of loss (damages or short landing of cargo) as per the relevant rules to the Carriers, Port authorities and Underwriters for non-delivery/short delivery/losses/damages. Under no circumstances, the intimation be time barred. In case of time barred cases, the loss sustained by BHEL shall be to the account of the Contractor.

17.2 In case of goods specified by BHEL and in case of apparent damages, the Contractor will apply for survey by Carriers, Port authorities, Underwriters etc. (including Insurance survey) within 48 hours of landing of goods. If any loss or damage is apparent, the Contractor shall lodge claim with the appropriate authorities.

17.3 The Contractor is responsible for safe transportation of the goods. Contractor shall effect open delivery of the cases of major damage after completing the due processes.

17.4 The Contractor will ensure that damaged cases are repacked properly before dispatch after completing the survey by the relevant authorities.

18.0 REQUIREMENTS OF PERFORMANCE.

16.1 All the permissions and Clearances or any other relevant authorization from competent authority shall be obtained by the Contractor at his own cost. Any contingency arising in this respect shall be the responsibility of the Contractor. Also the Contractor shall be responsible for any mishap, accident enroute and consequences therefore including legal complications, if any.

16.2 The contract as entered into between BHEL and the contractor shall in no way, nullify, reduce, mitigate or absolve the parties of any responsibility, obligation or liability that may devolve upon them under the acts or laws governing such activity.

16.3 The Contractor shall take all due care for protecting the consignments from rains and be responsible for their safe and sound condition during his possession and the vehicles carrying such consignments shall be suitably equipped for the same. The Contractor shall take all due care of consignments, follow instructions given on the package , special instructions if any by supplier while loading/unloading/stowing of the cargo. During transshipment he shall provide all packing and lashing at his own cost.

16.4 All the safety precautions required in transportation such as lashing and securing the consignments, providing pilots/escort (if necessary) shall be the responsibility of the Contractor at his own cost.

19.0 SECURITY DEPOSIT:

19.1 Successful bidder shall submit security deposit within three days of issue of LOI for the contract The amount of Security Deposit will be calculated as under:

19.2 Up to Rs.10 lakhs – 10%

19.3 For 10 – 50 lakhs -- Rs.1 lakh plus 7.5% on amount `exceeding Rs 10 lakhs of the total contract value.

19.4 For above 50 lakhs - the security deposit is Rs. 4 lakhs plus 5% on amount exceeding Rs 50 lakhs of the total contract value.

- 19.5 Security deposit may be made in any of the following ways
- i. Cash as permissible under IT Act
 - ii. Pay Order, Demand Draft in favour of BHEL.
 - iii. Local cheques of scheduled banks subject to realization
 - iv. Securities available from post office such as National Savings certificate, Kisan Vikas Patras etc (Certificates should be held in the name of Contractor furnishing the security and duly pledged in favour of BHEL and discharged on the back).
 - v. Bank Guarantee from Scheduled Banks /Public Financial Institutions as defined in the Companies Act. The Bank Guarantee format should have the approval of BHEL.
 - vi. Fixed Deposit Receipt issued by Scheduled Banks/ Public Financial Institutions as defined in the Companies Act. The FDR should be in the name of the Contractor, A/c BHEL, duly discharged on the back.

(Note: Acceptance of Security Deposit against Sl. No. (d) and (f) above will be subject to hypothecation or endorsement on the documents in favour of BHEL. However, BHEL will not be liable or responsible in any manner for the collection of interest or renewal of the documents or in any other matter connected therewith).

19.6 Securities / BG's shall be released after 1 month of successful execution and completion of the contract upon receipt of No claim letter from the contractor and settlement of all dues in the contract.

20.0 EARNEST MONEY DEPOSIT:

EMD of **Rs.2,00,000** /- will have to be submitted along with the PQR offer. Offer without EMD shall be rejected.

If the bidder declines to accept the LOI or is unable to accept the work which has been awarded on the basis of the offer received from the bidder or revokes the offer within the validity period of the offer, the earnest money shall stand forfeited.

EMD of the Tenderer will be forfeited if:

- After opening the tender, the tenderer revokes his tender within the validity period or increases his earlier quoted rate.
- The tenderer does not commence the work within the period as per LOI/ Contract. In Case the LOI/ Contract is silent in this regard then within 15 days after award of contract.

EMD of successful bidder can be adjusted towards part of the security deposit.

EMD of all unsuccessful bidders will be returned within a month of placement of LOI/Work Order on successful bidder.

EMD shall not carry any interest.

21.0 REVERSE AUCTION:

21.1 BHEL reserves the right to go for Reverse Auction (RA) instead of opening the sealed Part price bid, submitted by the bidder. This will be decided after techno-commercial evaluation. All bidders have give their acceptance 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. In case BHEL decides to go for Reverse Auction, only those bidders who have given their acceptance to participate in RA will be allowed to participate in the Reverse Auction. Those bidders who have given their acceptance to participate in Reverse Auction will have to necessarily submit „online sealed bid in the Reverse Auction. Non-submission of „online sealed bid by the bidder will be considered a tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.

- 21.2 The procedure for Reverse Auction shall be intimated to such bidders in due course. However, the bidders are advised to quote their most competitive rates in the sealed bid Part. In case we are unable to finalize the order through Reverse Auction for any reason whatsoever, the order would be finalized based on the sealed price bids (Part-III).
- 21.3 In case of tender being finalized through Reverse Auction, the bidders will have to adhere to the guidelines provided in the Business Rules of Reverse Auction. In case a Techno commercially acceptable vendor does not agree to participate in the Reverse Auction process, the same will be treated as with drawl of the offer and their EMD will be forfeited. **Vendors are also warned against delay in participation and delaying the process of Reverse Auction.**
- 21.4 Terms and Conditions for Reverse Auction:
1. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate.
 2. Those bidders who have given their acceptance for Reverse Auction (quoted against this tender enquiry) will have to necessarily submit "online sealed bid" in the Reverse Auction. Non-submission of "online sealed bid" by the bidder for any of the eligible items for which techno-commercially qualified, will be considered as tampering of the tender process and will invite action by BHEL as per extant guidelines in vogue.
 3. BHEL will engage the services of a service provider who will provide all necessary training and assistance before commencement of on line bidding on internet.
 4. In case of reverse auction, BHEL will inform the bidders the details of Service Provider to enable them to contact & get trained.
 5. Business rules like event date, time, bid decrement, extension etc. also will be communicated through service provider for compliance.
 6. Bidders have to fax the Compliance form (annexure IV) before start of Reverse auction. Without this, the bidder will not be eligible to participate in the event.
 7. In line with the NIT terms, BHEL will provide the calculation sheet (e.g., EXCEL sheet) which will help to arrive at "Total Cost to BHEL" like Packing & forwarding charges, Taxes and Duties, Freight charges, Insurance, Service Tax for Services and loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the bidder to enable them to fill-in the price and keep it ready for keying in during the Auction.
 8. Reverse auction will be conducted on scheduled date & time.
 9. At the end of Reverse Auction event, the lowest bidder value will be known on auction portal.
 10. The lowest bidder has to fax/e-mail the duly signed and filled-in prescribed format for price breakup including that of line items, if required, (Annexure VII) as provided on case-to-case basis to Service provider within two working days of Auction without fail.
 11. In case BHEL decides not to go for Reverse Auction procedure for this tender enquiry, the Price bids and price impacts, if any, already submitted and available with BHEL shall be opened as per BHEL"s standard practice.
 12. Bidders shall be required to read the "Terms and Conditions" section of the auctions site of Service provider, using the Login IDs and passwords given to them by the service provider before reverse auction event. Bidders should acquaint themselves of the „Business Rules of Reverse Auction“, which will be communicated before the Reverse Auction.

13. If the Bidder or any of his representatives are found to be involved in Price manipulation/ cartel formation of any kind, directly or indirectly by communicating with other bidders, action as *per extant BHEL guidelines*, shall be initiated by BHEL and the results of the RA scrapped/ aborted.

14. The Bidder shall not divulge either his Bids or any other exclusive details of BHEL to any other party.

15. In case BHEL decides to go for reverse auction, the H1 bidder (whose quote is highest in online sealed bid) may not be allowed to participate in further RA process.

22.0 E-PROCUREMENT DETAILS:

22.1 In order to minimize paper work and time involved in tendering process this tender is being done through e-procurement portal/e-tendering method. In order to participate in this tender , the parties should have Digital Signature certificate of specification “Class 3-SHA2-2048 BIT-SINGNING & ENCRPTION”.

22.2 Vendors are suggested to contact E-procurement service provider M/s M-Junction service limited for submission of offers and any technical difficulties. All contact details are available at <https://bheleps.buyjunction.in>

22.3 Neither the Organisation (Bharat Heavy Electricals Ltd.) nor the service provider (m Junction Services Ltd.) is responsible for any failure of submission of bids due to failure of internet or other connectivity problems /uploading of corrupted unreadable bids or any reasons thereof. If E-Offers found unreadable/corrupted files while decrypting the same will be ignored for further evaluation purpose.

Sign and Seal of the Bidder

SECTION-VI
TECHNO- COMMERCIAL BID (RE/MUM/EXP/E-1503)

Sn	Description	Remarks
1.	Tender Documents: Entire tender document including forwarding letter of the tender document along with blank price bid duly signed and stamped on each page is to be submitted.	Given
2.	Compliance Letter: The compliance letter duly signed and stamped on letter head is to be submitted	Given
3.	<u>Transit Time: in no. of Days:</u> TRANSIT TIME of 60 days . TRANSIT TIME of 60 days will start from the date of handing over complete export documents by BHEL for particular LOT or BHEL instruction for shipment whichever is later and end on berthing of ship at discharge port.	Agreed
4.	<u>Transit penalty</u> <u>For Cargo Shipped from JNPT Port:</u> For delay beyond the transit time of 60 days , the transit penalty shall be 5% per week Prorata, limited to a maximum of 10% of the total contract amount for that particular lot.	Agreed
5.	<u>PAYMENT TERMS:</u> As Specified in the General terms and conditions	Agreed
6.	<u>INDEMNITY</u> Contractor shall keep BHEL indemnified of all the losses, claims, etc. arising out of or in course of any of his or his Associate's acts or accidents during the currency of the Contract.	Agreed
7.	<u>ARBITRATION</u> As Specified in General Terms & Conditions.	Agreed
8.	<u>FORCE MAJEURE</u> As specified in the General Terms & Conditions.	Agreed
9.	<u>ADDITIONALWAR RISK INSURANCE:</u> In the event of war or war like situation, additional war risk premium if any as per notification of the Lloyd's surveyor/Insurance additional insurance premium paid receipt for war risk, pro rata, insurance for Hull machinery for the BHEL cargo may be considered for payment.	Agreed
10.	<u>CANCELLATION OF THE CONTRACT:</u> BHEL shall have the right to cancel the contract for unsatisfactory performance i.e. repeated failure for arranging trailers/vessels and delivery of the cargo within transit time. BHEL shall have the right to forfeit the security for poor performance of CONTRACTOR leading to cancellation of contract. If the CONTRACTOR fails or neglects or refuses to observe / perform any of the terms and conditions / obligation of or under the contract BHEL may without prejudice to any other rights terminate the contract by giving one month's notice in writing and recover from the Contractor any damage suffered by on account of the failure, negligence, refusal, violation or breach of contract or any part thereof including the amount by which the cost of completion of the work done by any other agency shall exceed the amount payable to the CONTRACTOR under the contract. BHEL reserves the right to either short close the contract or terminate the contract at its discretion without assigning any reason by giving one month's notice by registered post acknowledgement due or in person under delivery.	Agreed
11.	<u>TAXES:</u> All taxes on freight, insurance and other dues of the vessel shall be to the Contractor's A/c. The Contractor shall be responsible for payment of any Sales, Service, Income Tax/VAT or any other form of Tax leviable not envisaged in the tender on transportation activity carried out in transit/discharge country being main/sub	Agreed

	contractor of BHEL.	
12.	<u>VALIDITY</u> The contract shall be valid till all the cargo as per packing list is received at contractors warehouse <u>by end Dec 2016</u> and are shipped under the contract.	Agreed
13.	<u>GOVT.RULES & REGULATIONS:</u> CONTRACTOR to abide by all the rules and regulations related to road transportation, traffic, police, customs etc. These would include all levies, licences, and permits for operation in India / transit country / discharge countries. It is obligatory for CONTRACTOR to comply with regulating requirements in discharge port countries are fully met before award of the contract.	Agreed
14.	<u>RISK PURCHASE</u> As Specified in General Terms & Conditions.	Agreed
15.	The order shall be finalized on rate contract basis and the numbers of containers mentioned in price bid are only for evaluation purpose. The payment would be released on the basis of the rates finalized for each type of container shipped and no of container utilized	Agreed
16.	<u>RA terms and condition:</u> As per general terms and condition. The final price break up after the RA has to be in proportion to the initial break up given at the time of online sealed bid.	Agreed

Sign and Seal of the Bidder

SECTION-VII

PRICE BID (RE/MUM/EXP/E-1503)

Sn	Description	QTY	Offered Rate per Container(Inr)	Total Price (Inr)
(1)	(2)	(3)	(4)	(5) = (4) x (3)
Sch. 'A'. Cost of SOC containers with CLC on non returnable basis including Container survey charges; sales tax/service tax/VAT if any or any other charges as per scope of work				
A1	40 ft GP container (On SOC Basis)	60		
A2	40 ft HC container(On SOC Basis)	30		
A3	40 ft OT Container (On SOC Basis)	2		
			SUB-TOTAL (A) in Inr	
Sch "B" Cost of unloading of cargo in godown, storage in godown, transportation to CFS, custom clearance, Intercarting , CFS storage, stuffing, Port handling /THC at load port and all other charges at Load port inclusive of service tax as per scope of work				
Sn	Description	QTY	Offered Rate per Container(Inr)	Total Price (Inr)
B1	40 ft GP container (On SOC Basis)	60		
B2	40 ft HC container (On SOC Basis)	30		
B3	40 ft OT Container (On SOC Basis)	2		
B4	20 ft FR Container (On COC Basis)	1		
B5	40 ft FR Container (On COC Basis)	4		
			SUB-TOTAL (B in INR)	
Sch C . Cost of Ocean freighting as per the scope of work From JNPT port to Dar es salam Port inclusive of any other charges as per scope of work				
Sn	Description	QTY	Offered Rate per Container(in USD)	Total Price (USD)
C1	40 ft GP container (On SOC Basis)	60		
C2	40 ft HC container(On SOC Basis)	30		
C3	40 ft OT Container (On SOC Basis)	2		
C4	20 ft FR Container (On COC Basis)	1		
C5	40 ft FR Container (On COC Basis)	4		
			SUB-TOTAL(C)	

OPTIONAL ITEM (Will not be considered for tender evaluation)

Sl. No.	Description	Currency	Qty	Rate(Per certificate)	Total Price
(1)	(2)	(3)	(4)	(5)	(6) = (4)X(5)
Sch. 'D'	Obtaining FERI Certificate For transit of cargo from Dar-es-salaam into D.R Congo.	USD	1	Rate	
Total D					

Note:

- (i) B/L charges will be paid fixed at **Rs. 1000 per B/L.**
- (ii) The price bid should be inclusive of War risk insurance premium.
- (iii) No additional payment (GRI/RRI etc) on any account shall be considered for payment.
- (iv) No additional choking/lashing charges shall be applicable.
- (v) Though certain quantity has been mentioned above, the payments would be released only for the containers shipped.
- (vi) The order shall be finalized on rate contract basis and the numbers of containers mentioned in price bid are only for evaluation purpose. The payment would be released on the basis of the rates finalized for each type of container shipped and no of container utilized.
- (vii) All taxes for operations in India and abroad including service tax, sales tax, VAT are inclusive in above quoted rate.
- (viii) Exchange rate on tender due date shall be taken for conversion of USD in INR for evaluation purpose.
- (ix) Price evaluation will be done for Sch A+Sch B+ Sch C only.
- (x) Price for optional schedule i.e Sch D will be not be taken for evaluation.
- (xi) The above prices are inclusive of 15 days free period for COC FR containers at discharge port.

Sign and Seal of the Bidder

SECTION VIII

(Letter of compliance in Company's Letter Head)

Ref No:

Date:

To,

M/s Bharat Heavy Electricals Limited,
15th Floor, World Trade Centre-1,
Cuffe Parade, Mumbai –5

Sub : Your Tender no RE/MUM/EXP/E-1503

Dear Sir,

With reference to your above tender, we have carefully read and understood the tender terms & conditions and hereby confirm that all the terms and conditions of your above tender are acceptable to us and our offer is based on the same.

In view of the above confirmation, any deviation mentioned by us anywhere in the tender is not valid and is to be ignored by BHEL while finalising the Tender.

Further, it is also confirmed that we have submitted the price bid in your price bid format only without any deviations / conditions.

In case, any deviation is observed in the financial bid the same is not be entertained / considered by BHEL.

Thanking you,

Yours faithfully,

Name/Signature of the signatory.

Stamp.