

NOTICE INVITING TENDER

1. TENDER REF. NUMBER : BHEL/JC/CE-PROD/15-17/01
2. NAME OF WORK : JOB CONTRACT FOR MATERIAL MOVEMENT, CLEANING, SHIFTING & ARRANGEMENT OF PRODUCTION RELATED ITEMS/ TEST FACILITIES AND OTHER RELATED ACTIVITIES IN CE-PRODUCTION DEPARTMENT OF BHEL-ESD.
3. COMPLETION TIME : 24 MONTHS
4. ESTIMATED COST : Rs. 12139660.00/-
5. EARNEST MONEY DEPOSIT : Rs 2,00,000.00/-
6. LAST DATE AND TIME FOR THE SUBMISSION OF DULY FILLED IN TENDER DOCUMENT : ON/BEFORE 26/12/2014. At 01.15Pm
7. PLACE OF SUBMISSION OF TENDER DOCUMENT : To be dropped in **ESD Tender Box** kept in the reception area at BHEL / ELECTRONICS SYSTEMS DIVISION ELECTRONICS CITY-WEST PHASE, BANGALORE - 560 100.
8. DATE AND TIME FOR TENDER OPENING: 26/12/2014 at 01.30pm

I. Technical Bid : (Part-1)

- (a) Information part & Essential Criteria for Techno-Commercial Acceptance of Bid (Page 2-5)
- (b) Instructions to tenderers (Page No. 8-13 of Terms and Conditions document DOC/JC/CE-PROD/ESD/15-17/T&C/01).
- (c) Scope of work as per schedule A & B.(Page No. 6 & 7)

II. Price Bid : (Part - 2)

- (a) Schedule A & B.

- Note:**
1. The tenderer shall read the tender documents carefully and fill all the columns neatly. Incomplete tenders will be rejected.
 2. Photo copy of documents required for Essential criteria is compulsory for evaluating of technical bids and acceptance of Technical bids.
 3. The tenderer shall return the duly filled in tender document after affixing signature and Seal on all pages.
 4. Prices has to be quoted items wise separately as per Price bid (Schedule A & Schedule B) format.
 5. Part –1 (Page No. 2 to 5) to be filled and submit without blank spaces.
 6. Tenderer should check the correctness of DD for spelling etc before submission.



PART-1

TECHNICAL-CUM-COMMERCIAL BID

(To be furnished by the Bidders):

1. NAME OF THE CONTRACTOR :

2. ADDRESS :
(A) OFFICE :

- TELEPHONE NO. :

- (B) RESIDENCE :

- TELEPHONE NO. :
E - Mail ID :

3. STAFF STRENGTH :
TECHNICAL :
GENERAL :

4. PLANT / EQUIPMENTS :

5. A) SCOPE OF WORK : UNDERSTOOD / NOT UNDERSTOOD
(As per schedule A & B)

- B) ACCEPT TO EXECUTE IN TOTAL : YES / NO

7. Details of contractor executed with PSU/
Pvt. Sector with similar contract value & nature
of work handled & duration and period. :
(copy of completion certificate to be enclosed)

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Sl.No	Name of PSU/ Private Organization	Nature of work	Contract value (Rs)	Duration (No. of years)	Period (from –to)

(Attach separate sheet if necessary)

B) Essential Criteria for Techno-Commercial acceptance of Bid:

1. Average Financial Turn Over during the :
last 3 years (Not less than 30% of estimated Cost of NIT)
 - (i) Previous year :
 - (ii) One year before previous year :
 - (iii) Two years before previous year :(Copy of the above documents to be enclosed)
2. Solvency Certificate (Not less than 30% of the :
Estimated Cost of NIT, Certificate from Bank
not older than 1 Year to be furnished)
3. Experience certificate: Successfully completed similar
works during last 7 years
(copy of completion certificate to be enclosed)
 - (A) Three similar completed works
(each not less Than equal to 40%
of the Estimated cost) :
 - OR
 - (B) Two similar completed works
(each not less than equal to 50%
of the Estimated cost) :
 - OR
 - (C) One similar completed works(each not less
Than Equal to 80% of Estimated cost) :

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4. Form of EMD furnished (**Cheque is not acceptable**) : Cash / DD/ Pay Order
- (A) CASH (Receipt No. & Date) :
- (B) DEMAND DRAFT / PAY ORDER Particular :
5. Security Deposit Clause as per clause no. 2.2.3, 2.3
2.4, page 14,15 & 16 of NIT : ACCEPTABLE / NOT
ACCEPTABLE
6. Whether registered with Karnataka Shops &
Commercial Establishment Act, 1961 : YES /NO
(Regn. No. & Copies of Regn. Certificate to be enclosed)
7. BHEL'S PAYMENT TERMS : ACCEPTABLE / NOT
(Cl. No. 2.5 & 2.6 of Page No. 16 of NIT) ACCEPTABLE
8. Whether registered with ESI / PF authority : YES /NO
- a) ESI Register No. (If yes indicate No.) :
- b) PF Register No. (If yes indicate No.) :
- c) Service Tax Registration : YES / NO
(Copy to be enclosed)
- d) Whether income Tax payee : YES / NO
PAN No. (If yes) :
- e) Whether agreeable to make necessary : YES / NO
Statutory payments as per BHEL
EDN terms.
9. GENERAL CONDITIONS OF CONTRACT & NIT : ACCEPTABLE /
NOT ACCEPTABLE



ELECTRONICS SYSTEMS DIVISION

TECHNICAL CUM COMMERCIAL BID

I / we will fulfill all the obligations as the contractor and abide by the terms and conditions mentioned in the documents and has signed this after understanding fully well all such obligations, terms and conditions.

I / we declare that, there was never / are no case or charge under investigation / enquiry / trail nor conviction in court of law against me / us, or we are not suspended or black listed by any organization on any grounds.

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ACTIVITY CHART

DURATION OF CONTRACT: 2 YEARS		SCHEDULE A										
CE ASSEMBLY ESD												
Sl.No.	Activity (Examples)	Category	Location	Frequency	Quantum of work/Frequency	Unit of work	Std.time per unit(in Min)	Quantum of Work / Per annum	Rate Per Unit Work In Rs. (Fig.)	Rate Per Unit Work In Rs. (Words.)	TOTAL AMOUNT IN RS PER ANNUM (Figure)	TOTAL AMOUNT IN RS PER ANNUM (Words)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Shifting of cubicles to workcentres as per production plan	USW	PRODUCTION BUILDING	Daily	20	No of cubicles	20	6040 .00				
2	Cleaning of cubicles before mid-3 operation	USW	PRODUCTION BUILDING	Daily	18	No of cubicles	10	5436.00				
3	Material unloading and movements from despatch building to production block etc	USW	PRODUCTION BUILDING/ DESPATCH	Daily	15	No of times	18	4530.00				
4	Arranging of materials in production stores	USW	PRODUCTION BUILDING	Daily	10	No of times	120	3020.00				
5	Collection of cable drum,sizing of cables,bundling,identifying and distributing.	USW	PRODUCTION BUILDING	Daily	10	No of times	60	3020.00				
6	Cleaning of cubicles before testing	USW	PRODUCTION BUILDING	Daily	10	No of cubicles	10	3020.00				
7	Cleaning with moist cloth of cubicles before sending the cubicles to despatch area	USW	PRODUCTION BUILDING	Daily	20	No of cubicles	45	6040 .00				
8	Movement of cubicles to despatch area & to production building and assistance for loading in the truck	USW	PRODUCTION BUILDING	Daily	15	No of times	20	4530.00				
9	Segregation of scrap materials and sending to scrap yard	USW	PRODUCTION BUILDING	Daily	5	No of times	45	1510.00				
10	Battery operated trolleys to be arranged for charging.	USW	PRODUCTION BUILDING	Daily	2	No of trolleys	25	604.00				
11	Floor sweeping and wet mopping of stores, production area, despatch (hardware stores, painted item stores, c.profile/busbar stores, tool crib, reworkcell, door storage area).	USW	PRODUCTION BUILDING	Daily	4	No of times	452	1208.00				
12	Cleaning of Mechanical components and BO Components in shop before mounting.	USW	PRODUCTION BUILDING	Daily	4	No of times	465	1208.00				
13	Collection, Movement and distribution of pre fab cable. assembly to work centres	USW	PRODUCTION BUILDING	Daily	9	No of times	170	2718.00				
14	Supervision	SSW		Daily	1		458	302.00				

TOTAL AMOUNT IN RS FOR TWO YEARS IN FIGURES

USW - Un Skilled Worker
SSW - Semi Skilled Worker

TOTAL AMOUNT IN RS FOR TWO YEARS IN WORDS

TOTAL AMOUNT SCHEDULE A + SCHEDULE B + ADDITIONAL AMOUNT in RS in words and figure

Note for the bidders: 1) The Quoted rate should have average daily wages for next two years (inclusive of ESI,PF,Bonus,accounting for leaves & paid holidays ,Travelling allowance @Rs.30/- per day,attendance bonus @Rs.10/-per day and Washing allowance@Rs.75 per month including Service charge & service tax.
2) **NOT TO BE QUOTED:** Uniform items should be provided as per BHEL instructions and reimbursement will be allowed accordingly.

ACTIVITY CHART

DURATION OF CONTRACT: 2 YEARS		SCHEDULE B										
CE SYSTEM TESTING ESD												
Sl.No.	Activity (Examples)	Category	Location	Frequency	Quantum of work/Frequency	Unit of work	Std.time per unit(in Min)	Quantum of Work / Per annum	Rate Per Unit Work In Rs. (Fig.)	Rate Per Unit Work In Rs. (Words.)	TOTAL AMOUNT IN RS PER ANNUM (Figure)	TOTAL AMOUNT IN RS PER ANNUM (Words)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Cubicle Cleaning, Movement & arrangement using manual/battery operated pallet trucks.	USW	PRODUCTION BUILDING	Daily	10	Nos of cubicles	20	3020.00				
2	Thorough Dusting using vacuum cleaner/ wet mopping of tables & chairs, conference tables, chairs & other customer office furniture.	USW	PRODUCTION BUILDING	Daily	9	Nos of items	25	2718.00				
3	Movement of test facilities/ material between the test shop-floors, FS or any other dept. within campus, either trolley/ battery truck/ hand carrying.	USW	PRODUCTION BUILDING/ DESPATCH	Daily	9	No of times	30	2718.00				
4	Cleaning and arranging test facilities within shop floor or back to the stores (Power supplies, Transformer, variacs, instruments, & other test equipments.	USW	PRODUCTION BUILDING	Daily	5	No of times	60	1510.00				
5	Cleaning battery operated / manual trolleys & arranging battery operated trolleys for charging	USW	PRODUCTION BUILDING	Daily	4	No of trolleys	25	1208.00				
6	Module/ material movement between testing/ PCB area/ stores/ despatch area and carrying test instruments to calibration lab & bringing it back.	USW	PRODUCTION BUILDING	Daily	8	No of times	30	2416.00				
7	Paper & document movement between system testing and other departments, serving customers during panel inspection	USW	PRODUCTION BUILDING	Daily	5	No of times	25	1510.00				
8	Unpacking, cleaning & re-packing of project PCs coiling & storing power cables etc; giving support for connection & disconnection of hose pipes, bus bars, cables, filling oil in panels/ transformers and cleaning oil spillages	USW	PRODUCTION BUILDING	Daily	4	No of times	75	1208.00				
9	Cleaning various stores(materials/ instruments/ document) and related items.	USW	PRODUCTION BUILDING	Daily	6	No of times	200	1812.00				
10	Additional shop floor sweeping & mopping(unscheduled)	USW	PRODUCTION BUILDING	Daily	2	No of times	60	604.00				

TOTAL AMOUNT IN RS FOR TWO YEARS IN FIGURES

USW - Un Skilled Worker
SSW - Semi Skilled Worker

TOTAL AMOUNT IN RS FOR TWO YEARS IN WORDS

Note for the bidders: 1) The Quoted rate should have average daily wages for next two years (inclusive of ESI,PF,Bonus,accounting for leaves & paid holidays ,Travelling allowance @Rs.30/- per day,attendance bonus @Rs.10/-per day and Washing allowance@Rs. 75 per month including Service charge & service tax.
2) **NOT TO BE QUOTED:** Uniform items should be provided as per BHEL instructions and reimbursement will be allowed accordingly.



Terms and Conditions

Name of work:

“JOB-CONTRACT FOR MATERIAL MOVEMENT, CLEANING, SHIFTING& ARRANGEMENT OF PRODUCTION RELATED ITEMS /TEST FACILITIES AND OTHER RELATED ACTIVITIES IN CE-PRODUCTION DEPARTMENT OF BHEL-ESD”

Tender Reference No.: DOC/JC/CE-PROD/ESD/15-17/01.

1. Instructions to Tenderers

- 1.1 Sealed Tenders for the above work are hereby invited from the Contractors experienced in works of similar kind and magnitude.
- 1.2 Tender shall be submitted in two parts, i.e. (1) Techno-Commercial bid and (2) Price Bid.

Techno-Commercial bid shall be submitted confirming acceptance to all the clauses indicated in this Tender along with EMD and enclosures as required by the Tender and any other which the Tenderer wish to submit. Tenderers shall also sign each and every page of the Tender document including the Work Instructions attached thereto before submitting Tender. Deviations / variations, if any, to the clauses of the Tender shall be indicated clearly. These are to be put in one sealed envelope and super scribed with Tender reference and `Techno-Commercial Bid`.

Price Bid duly filled and signed with seal, must be submitted in another separate sealed envelope super scribed with Tender reference and `Price Bid`. Price bid envelope must contain only the rates. ie. schedule A & B which is enclosed hereto.

Sealed envelope of both (1) Techno-Commercial bid and (2) Price bid must be put in a single sealed envelope super scribed with Tender reference and due date must be sent within the specified date and time.

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In this regard, if any clarification is required, the Tenderers may contact the officer mentioned here below.

Tenders should be addressed to:

AGM (CE-Production & Testing)
BHEL, Electronics System Division,
Electronic City, Bangalore – 560 100.
Phone : 25146 147/184, +91 9449818750
Email :- "BALAKRISHNAN.A" <Balakrishnana@bheledn.co.in>

The full name and address of the Tenderer and the name of the work with Tender reference should be indicated on the sealed Cover. All the tenderers may witness the opening of the bids with due authorization of the person witnessing from the authorized signatory of the tenderer.

- 1.3 Address of the Tenderer, the name of the person to whom all the correspondences are to be addressed should be indicated, with telephone number / mobile number (both Office & Residence), e-mail address and fax numbers.
- 1.4 All the entries in the Tender Documents should be in one ink. Eraser and over writings are not permitted. Cancellations and insertions if any, shall be authenticated by the tenderer by signing and affixing his seal.
- 1.5 Tenderer shall fill in all the required particulars in the blank spaces provided in the Tender documents and also sign at the bottom of each and every page of the Tender document before submitting the Tender.
- 1.6 Unit rate should be quoted in figures as well as in words in Indian Currency only, i.e Rupees and paise with reference to each and for all the items shown in the attached Tender Schedule-A, B. These rates shall be for the finished work at site. The rates shall include all taxes and duties payable on account of octroi, sales tax, service tax and expenditure incurred on transportation or payment of any additional incentive to the

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- workmen deployed on Works Contract etc and also expenses towards PF & ESI contributions and bonus(as per bonus act). For the purpose of ascertaining the total cost under **Schedule – A & Schedule B**, unit rate only will be considered and the same only will be multiplied by the number of units to arrive at total.
- 1.7 As a welfare measure towards his workers who may be deployed under this contract the Tenderer must consider Rs.30/- per day per person for Transport Allowance and Rs.10/- per day per person towards Attendance Bonus and take it into account for the purpose of Estimate and the quoted rate shall be inclusive of the above incentives as well. Further, the Tenderer can include Washing Allowance @ Rs.75 per month per person payable to his Workers deployed under this contract in the estimation and quote unit rate inclusive of such allowance.
- 1.8 *The tenderer shall take notice that workmen engaged under this contract shall be provided with 2 pairs of uniform per annum, 1 pair of shoes covering 2 years period, 2 pairs of socks covering 2 years period, 1 no of toilet soap per person per month by the contractor, as per BHEL norms & terms, which will be reimbursed by BHEL against proof of issue in line with BHEL instruction in this regard, which will be communicated in writing separately. Service charge @ 5% and service tax @ 12.36% will be allowed towards the cost of above items. This shall be excluded in the unit rates.*
- 1.9 In case the rates quoted in figures differ from those quoted in words, the lower will be taken as the Tendered rate and shall be binding on the Tenderers. The lowest price bid (L1) shall be arrived based on the total amount for all the activities under the “Schedule-A & Schedule B”.
- 1.10 In quoting their rates, the Tenderers are advised to take into account all factors including any fluctuations in the market rates in the future. No claim for the enhanced rates will be entertained on this account after acceptance of the Tender or during the contract period of 2 years.

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- 1.11 The rates to be quoted by the Tenderer shall be firm and shall cover and include all statutory levies and contribution such as ESI, PF etc. payable by the contractor for the workers he may deploy to carry out the job. [Under various enactments passed by Parliament or by the State legislature and Rules framed there under]. The rates shall further be deemed to include statutory levies arising from such acts, central or state, which may come into force, subsequent to submission of Tender. The Tenderer shall note that no claim for enhancement of rates on the ground that existing statutory levies have been increased or those new statutory levies have come into effect after submission of Tender, or on any other ground, will be entertained.
- 1.12 The rates quoted in the Tender shall remain valid for a period of three months from the date of opening of the Tender.
- 1.13 Tenderer shall not increase their quoted rates, once the Tenderer has submitted his quotation and during execution of the contract, incase his Tender is accepted.
- 1.14 Before submission of Tender, the Tenderers are necessarily advised to inspect the site of work and its environment and be well acquainted with the actual working and other prevailing conditions including various best practices adopted by BHEL with respect to position of the materials and labour. Pre bid meeting deliberating aspects involved in Job contract can be arranged on request to ensure proper understanding by the Tenderers who wish to participate. They should be well versed with BHEL General Conditions of Contract, Instructions to Tenderers, specifications and all other documents, which form part of the Agreement to be entered into subsequent to award of work. The Tenderer shall specifically note that it is Tenderer's responsibility to provide any item, which is not specifically mentioned in this specification but which is necessary to complete the work.

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- 1.15 Details and quantities of each item of work shown in the Tender schedule A & B attached hereto are only approximate. They are given as a guideline for the purpose of Tendering only and are liable to variations and alterations at the discretion of the competent authority without entitling the contractor to any compensation throughout the contract period of two years from the date of commencement of work, provided the total value of the contract does not vary by more than 20%. The work under each item as executed shall be measured and paid at the corresponding rates to be quoted by the Tenderer in the Tender schedule A & B attached hereto. It shall not be based on number of persons deployed or on any other criteria.
- 1.16 Please note that our normal working hours are from 07.30 A.M. to 04.36 P.M. from Monday to Friday & 07.30 A.M. to 12.30 P.M. on Saturdays. However, depending upon work load, the factory may operate in staggered shift also and the contractor will be required to deploy their labour accordingly if so directed.
- 1.17 Only Technical bid will be opened on due date as mentioned in NIT and the Price bid will be opened later after Technical Scrutiny. The Time and date of the Price bid opening will be intimated separately to technically qualified bidders' only.
- 1.18 **ESSENTIAL ELIGIBILITY CRITERIA FOR THE TENDER**
- A) The Tenderer should have experience of at least THREE (3) years in executing labour contracts, which is considered to be similar work, preferably in large organizations.
- B) The Tenderer should have successfully completed similar works during the last 7 (seven) years from submission of Tender as per the details hereunder (copy of the completion certificate to be enclosed)

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- a) Three similar completed works (each not less than 40% of the estimated value of this Tender) or
 - b) Two similar completed works (each not less than 50% of the estimated value of this Tender) or
 - c) One similar completed works (not less than 80% of the estimated value of this Tender)
- C) The Tenderer should have a legal status such as that of a Proprietary concern, Partnership firm, Company etc. The Tenderer should have been registered under relevant Act for carrying out the nature of work for which this Tender is invited.
- D) The average annual turnover of the Tenderer for last three years from submission of Tender should be at least 30% of the estimated value of this Tender. You are requested to submit copy of IT returns for the last 3 year or statement of accounts certified by a qualified chartered accountant for the last 3 years along with the offer as evidence.
- E) The Tenderer should have PAN & TAN.
- F) The Tenderer should have ESI, PF and Service Tax registration number allotted in its name. The letters issued by the concerned authorities should be enclosed with the Technical Bid of the Tender to evidence such registration.
- G) The Tenderer should submit EMD along with Technical Bid. Offer/s without EMD is liable for rejection.
- H) The Tenderers should have categorically confirmed acceptance of all the Tender terms and condition including the payment terms. On non-compliance / conformity of the above, offer is liable for rejection. BHEL reserves right to go in for reverse auction.

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2. Terms and Conditions

2.1 This Tender is for “***JOB-CONTRACT FOR MATERIAL MOVEMENT, CLEANING, SHIFTING& ARRANGEMENT OF PRODUCTION RELATED ITEMS /TEST FACILITIES AND OTHER RELATED ACTIVITIES IN CE-PRODUCTION DEPARTMENT OF BHEL-ESD***”, for a period of TWO YEARS from the date of awarding the Tender.

2.2 The Tenderer shall deposit Earnest Money Deposit (EMD) for the value as indicated in ‘NOTICE INVITING TENDER’ along with the Tender document. When the work is awarded to the lowest Tenderer the amount of EMD will be adjusted against the security deposit payable by the contractor. The EMD shall be in the form of demand draft from any nationalised bank or from a scheduled bank drawn in favour of “Bharat Heavy Electricals Ltd, Electronics Division, Bangalore”.

2.2.1 EMD by the Tenderer will be forfeited as per Tender Documents if

- i) After opening the Tender, the Tenderer revokes his Tender within the validity period or increases his earlier quoted rates.
- ii) The Tenderer does not commence the work within the period as per LOI / Contract. In case the LOI / contract is silent regarding such period then within 15 days after the award of contract.
- iii) EMD given by all unsuccessful Tenderers shall be refunded normally within fifteen days of acceptance of award of work by the successful Tenderer.

2.2.2 EMD shall not carry any interest.

2.2.3 Security Deposit may be furnished in any one of the following forms:

- i) Cash (as permissible under the Income Tax Act)
- ii) Pay Order Demand Draft in favour of BHEL
- iii) Local cheques of Scheduled Banks, subject to realization

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iv) Securities available from post Officers such National Savings Certificates, Kisan Vikas Patras etc. (Certificates should be held in the name of contractors 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 subject to a maximum of 50% of the total security deposit value. The balance 50% has to be remitted either by cash or in other form o security. 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.

vii) Security Deposit can also be recovered at the rate of 10% from the running bills. However in such cases at least 50% of the security Deposit should be collected before start of the work and the balance 50% may be recovered from the running bills.

viii) EMD of the successful tenderer shall be converted and adjusted against the Security Deposit.

ix) The Security Deposit shall not carry any interest.

NOTE : Acceptance of Security Deposit against Sl. No . (iv) and (vi) 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.

x) Security Deposit shall not be refunded to the contractors except in accordance with the terms of contract.

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- xi) The Head of unit may waive the Security Deposit in respect of Public Sector Undertakings particularly on reciprocal basis.
- 2.3 The Security deposit will be forfeited and credited to BHEL in the event of breach of any of the terms and conditions of this contract by the Contractor.
- 2.4 The Security deposit will be refunded to the contractor by BHEL after adjusting any sums due to BHEL from the Contractor or under any other contract with this Division or any other sister division of BHEL, upon the fulfillment of the contract and the Contractor furnishing No Demand and No Due Certificate from ESIC, EPFO to the effect that there is no claim or demand in respect of the contract executed.
- 2.5 The Payment will be made to the Contractor on the basis of work carried out, keeping in view the Unit of measurement. In case, the same persons deployed by the contractor, are permitted by him to continue to work beyond normal working hours, for any reasons whatsoever, contractor in such cases shall pay them the wage rates applicable under the Factories Act at contractors cost. **In other words no overtime (OT) payment will be made by BHEL, as the payment is on “Unit Rate Basis”.**
- 2.6 **Terms of Payment:** The payment will be made on the basis of Quantum of work done, based on Unit rate and within 30 days from the date of submission of bills, duly certified by BHEL Engineer-In-charge. Bills should be submitted along with all necessary documents, challans for ESI /PF and returns etc. as applicable under contractor’s statutory liability and this contract.
- 2.7 If the tenderer backs out after submission of the tender or after acceptance of tender or fails to start the work as per contract terms, his EMD / Security Deposit will be forfeited and award of the contract will be cancelled.
- 2.8 The tenderer shall furnish a solvency certificate for an amount not less than 30% of the estimated value of the tender and certificate from bank should not be less than one year old.

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3 Contractor's Obligations:

Contractor shall decide the number of workmen to be deployed for execution of the work awarded to him and he or his authorized representative will be solely entitled to instruct such workers about the manner in which the awarded work is to be carried out as per the prescribed specifications and as directed by Engineer-In-charge. The Contractor shall be fully responsible for the work awarded to him. Currently 26 Un-skilled workers and 1 Semi-skilled worker are deployed for the existing Job contract with the same activities quoted in the contract.

- 3.1 Contractor shall depute a supervisor to supervise work to be carried out by his workmen. The work shall be executed as per work instructions and to the satisfaction of Engineer-In-charge.
- 3.2 Contractor shall ensure that the employees deployed in the premises of BHEL are physically and mentally fit and do not have any criminal records. Such employees should possess requisite skill, proficiency, experience etc. to carry out the work.
- 3.3 Contractor shall maintain appropriate records of his employees deployed to carry out the job(s).
- 3.4 Contractor shall provide employment card / identity card with photograph duly verified and attested by the Contractor to his employees deployed to execute the work. Contractor shall also indicate the name of the proprietary / partnership firm / Company, place of work, contact number and duration of validity of the card etc. in such identity card.
- 3.5 Contractor will be fully responsible for the good conduct of his employees deployed to execute the work. In case of any misconduct/ misbehavior by any employee, the contractor will replace such employee(s) immediately.
- 3.6 Contractor will ensure that the job is executed through his employees on his rolls only and under no circumstances the contractor will deploy any casual employees to carry out the job; nor shall sub-contract the job without prior written permission from BHEL-ESD.

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- 3.7 Contractor will keep watch on his employees and he will be liable for any pilferage / loss to BHEL due to acts of omission and commission by his employees. Similarly, liability for any compensation to outsiders & his employees on account of any act of omission and commission by the employees deployed by the contractor shall lie exclusively with contractor.
- 3.8 The contractor shall be responsible for enforcing all safety regulations as applicable strictly ensure wearing of safety equipments by them inside the factory. BHEL may provide hand gloves & consumables, material handling equipment etc. wherever required.
- 3.9 The contractor has to provide a distinct uniform different from BHEL employees. The uniform should have logo of the contractors firm / company. The uniform shall be in neat, tidy and wearable condition.
- 3.10 Contractor to ensure that all precautions are taken for safety of his employees. The contractor shall be responsible for enforcing all safety regulations as applicable, while undertaking the work Tendered inside the factory.
- 3.11 In the event of termination of contract for any reason whatsoever, the contractor shall withdraw all his employees and his equipment, if any; from the establishment of BHEL.
- 3.12 Contractor shall take necessary insurance policy for his workmen to cover workmen's compensation and accidental cover as may be applicable.
- 3.13 BHEL will provide consumables, material handling equipments etc. where ever applicable.

4 Contractor's statutory liability:

- 4.1 All statutory requirements under Minimum Wages Act 1948, Payment of Wages Act 1936, Employees' Compensation Act 1923, EPF & MP Act 1952, Payment of Gratuity Act 1972, ESI Act 1948, the Contract Labour (R&A) Act 1970, Payment of Bonus Act 1965, Income Tax Act 1961, Service Tax rules and all other applicable Acts and rules shall be complied with by the contractor.

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4.2 Contractor shall comply with all statutory requirements, Rules, Regulations, and Notifications issued from time to time by the concerned authorities in relation to employment of his employees.

4.3 Contractor shall ensure payment of statutory prescribed minimum wages by paying BHEL EDN notified wages as applicable to his employees deployed in the work from time to time and maintain proper records of their timely disbursement. The notification of BHEL-EDN wages may be obtained by the contractor to be aware / conversant to the same. The periodic revision of this wages shall be noted by the contractor from time to time and the payment to his workers shall at no point of time be less than these minimum rates. For information the BHEL minimum wage rates during last 2 years are shown in the table below to envisage the trend in fluctuations of wages. However, this trend may vary and the Contractor shall pay according to BHEL – EDN Wage Rate.

BHEL Rates Notified During last 2 years

Category	Wages per day			
	01/10/2012 to 31/03/2013	01/04/2013 to 30/09/2013	01/10/2013 to 31/03/2014	01/04/2014 to 30/09/2014
USW	Rs. 279.00	299.37	Rs. 310.00	331.91
SSW	Rs. 292.97	313.34	Rs. 323.97	345.88

Any increase in DA applicable in BHEL should be paid over & above the current rates of wages shown above for USW and SSW i.e. Rs. 331.91 and 345.88 respectively. Therefore, the Tenderer shall anticipate the increase in DA and take that into account for quoting the rate.

BHEL reserves the right to advise the contractor to afford any further welfare facility in future (over & above the wage rates envisaged and also allowances under para 1.7 above) on reimbursement basis, for the employees of the contractor to defray their essential expenses.

4.3 An additional maximum amount of Rs. 1200/- and Rs. 1400/- (as per the attendance) has to be paid to USW and SSW contract laborers respectively

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together with the monthly wages. The contractor will be paid for the employer's share of contribution on additional payments w.r.t. ESI/PF @Rs. 4.75% and 13.61% respectively.

- 4.4 Contractor shall provide the PF no. and temporary ESI cards to his within 15 days of issue of work order.
- 4.5 Contractor shall provide PF pass book to his employees and ensure payment of PF, EDLI, pension dues under EPF & MP Act 1952 to the RPFC.
- 4.6 Contractor shall ensure payment of ESI contribution under ESI Act 1948 and provide ESI membership No. card of each employee.
- 4.7 Contractor shall maintain proper records of PF, EDLI, Pension, ESI contribution, administrative charges etc., wherever applicable and shall produce proof of deductions as well as remittances. Contractor shall issue wage slips to his employees.
- 4.8 Contractor shall furnish proper Returns to the concerned statutory authorities and provide a copy of the same to BHEL.
- 4.9 Contractor shall be solely responsible for non-payment / delayed payment of wages / DA, contributions under EPF & MP Act, ESI Act etc.
- 4.10 In case, the contractor fails to make payment of wages to his employees or remittance of contribution to the concerned authorities & a claim is made against BHEL for what so ever reason, the security deposit /other dues/ running bills under the contract can be utilized by BHEL to discharge the liability of the contractor.
- 4.11 Contractor shall indemnify BHEL against all claims and losses if it suffers under various labour laws, statutes or any civil or criminal law in connection with employees deployed by him.

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- 4.12 The liability for any compensation on account of injury sustained by an employee of the contractor will be exclusively that of the contractor, as BHEL is not the employer for him.
- 4.13 Contractor shall obtain necessary insurance cover at his own cost to mitigate any risk of accidents, losses, damages etc. BHEL shall not be responsible for any losses, damages to the contractor or to his employees.
- 4.14 Contractor should ensure that the employees allowed entering BHEL premises shall be covered under independent code numbers / exemptions under EPF & MP Act 1952 and ESI Act 1948 and shall cover his employees under the said codes. **The contractor shall also indicate ESI No., PF No., Service Tax No. in the techno-commercial bid.**
- 4.15 Payment of bonus under the Payment of Bonus Act, payment of gratuity under the Gratuity Act, and retrenchment compensation under ID Act will be the sole responsibility of the contractors.
- 4.16 Over and above the daily wages rate, the contractor shall make payment to his employees deployed under this contract towards leave with wages also.
- 4.17 Contractor shall observe provisions of Factories Act in respect of working hours, holidays, rest intervals, leave and overtime to his employees who may be deployed in BHEL premises & maintenance of necessary registers, forms and statutory formats which shall be always available for inspection by BHEL or factory Inspectorate. No work shall be done on second / third shift, overtime, Sundays or on other declared holidays without written permission from BHEL.
- 4.18 Contractor shall be responsible for making payment of wages before expiry of 7 (seven) days from the last day of wage period and to ensure disbursement of wages in the presence of the representative from BHEL.
- 4.19 Contractor shall obtain license under CL (R&A) Act, 1970.

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- 4.20 All the Contractors will have to produce documentary evidence of being an Income Tax Assesse. Income Tax Permanent Account No (IT PAN No) and Tax Deduction Account No (TAN) or Income Tax Clearance Certificate (ITCC) shall be enclosed with the techno- commercial bid.

GENERAL TERMS & CONDITONS

- 5 Engineer-In-charge shall give overall instruction to the contractor or his authorised representative for the jobs to be carried out. BHEL will have nothing to do or be concerned with the employment of employees working for the contractor. The relationship between BHEL and the contractor will be that of independent entities and nothing herein contained will amount to joint venture, partnership or on employer-employee relationship. Supervision of work shall be done by the contractor / his authorized Supervisor exclusive for this work only.
- 5.1 The contractor shall maintain regular contact with the designated Engineer – In – Charge of BHEL and will interact on matters relating to the work awarded under this contract.
- 5.2 In case the contractor does not carry out the contractual / statutory obligations or the services rendered by him are found to be unsatisfactory, BHEL shall bring the same to his notice and he will be obliged to discharge the obligations and rectify the deficiency / anomaly within three days time failing which, BHEL reserves the right to terminate the contract without assigning any reason whatsoever. In such an event, no damages will be payable for short closure of the contract and the contractor shall be liable to BHEL for any loss or hardships it may suffer, such termination shall be for the contractor's default and any money including deposits or bills available with BHEL will be forfeited and any further claim on the contractor may be made by BHEL for recovery of any loss.

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- 5.3 The decision of BHEL regarding interpretation of any terms and conditions set forth in this agreement shall be final and binding on the contractor.
- 5.4 Notwithstanding anything contained in this agreement, the contract may be terminated by BHEL without assigning any reason thereof by giving a notice of 30 days to the contractor.
- 5.5 The contractor shall commence the work immediately on receipt of the order and the contract shall remain valid for a period of TWO YEARS from the date of issue of Job contract. The parties reserve the right to extend the contract on mutually agreed terms and conditions.
- 5.6 MSE suppliers can avail the intended benefits only if they submit along with offer, attested copies of either EM II certificate having deemed validity (Two years from the date of issue of acknowledgement in EM II) or valid NSIC certificate or EM II certificate along with CA certificate applicable for the year, certifying quantum of investment in plant and machinery within the permissible limit as per the act for relevant status (Micro or small) where the deemed validity of EM II is over. Date to be reckoned for determining the deemed validity will be the last date of technical bid submission. Non submission of such documents will lead to consideration of their bids at par with other bidders and MSE status of such supplier shall be shifted to Non MSE supplier till the supplier submits these documents
- 5.7 REVERSE AUCTION
- BHEL reserves the right to go for reverse auction at any point of time before opening of Price Bid
 - Bids with non-acceptance of reverse auction will be liable for rejection.
 - Opening of Price Bid at discretion of BHEL.
 - BHEL shall be at liberty to cancel the tender at any time, before ordering, without assigning any reason.

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6. SAFETY CODE :**RESPONSIBILITIES OF THE CONTRACTOR IN RESPECT OF SAFETY
OF MEN,EQUIPMENT, MATERIAL AND ENVIRONMENT**

- 6.1 Before commencing the work, contractors submit a “SAFETY PLAN” to the authorized BHEL Official. The ‘Safety Plan’ shall indicate in detail the measure that would be taken by the contractor to ensure safety of men, equipment, material and environment during execution of the work. The plan shall take care to satisfy all requirements specified hereunder. The contractor shall submit Safety Plan along with his offer. During negotiations before placing of work order and during execution of the contract BHEL shall have right to review and suggest modification in the Safety Plan. Contractor shall abide by BHEL decision in this respect.
- 6.2 The contractor shall take all necessary safety precautions and arrange for appropriate applications as per direction of BHEL or its authorized officials to prevent loss of human lives, injuries to personnel engaged, and damage to property and environment.
- 6.3 The contractor shall provide to its work force and ensure the use of the following personal protective equipment as found necessary and as directed by the authorised BHEL officials :
- i) Safety Shoes conforming to IS-1989:1978
 - ii) Eye and Face Protection devices conforming to IS-8520: 1977 and IS-8940: 1978.
 - iii) Hand and body protection devices conforming to :
 - IS-2573 : 1975
 - IS-6994 : 1973
 - IS-8807 : 1978
 - IS-8519 : 1977

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All tools, tackles, scaffolds, cradles, safety nets, ladders, equipment etc. used by the contractor shall be of safe design and construction. These shall be tested and certificate and fitness obtained before putting them to use and from time to time as instructed by authorized BHEL official who shall have the right to ban the use of any item.

The Contractor shall not use any hand-lamp energized by electric power with supply voltage of more than 24 volts. For work in confined spaces, lighting shall be arranged with power source of 'not more than 24 volts.'

The contractor shall adopt all fire safety measures as laid down in the "Code for fire Safety at Constructions Sites" issued by the Safety Department of the Construction Management (HQ) of BHEL and as per directions of the authorized BHEL official. A copy of the above referred "Code of Fire Safety at Construction sites" shall be made available by BHEL to the contractor for reference, on demand by the contractor, during tendering stage itself.

Where it becomes necessary to provide and/or store petroleum Products, explosives, chemicals, and liquid or gaseous fuel or any other substance that may cause fire or explosion, the contractor shall be responsible for carrying out such provisions and or storage in accordance with the rules and regulations laid down in the relevant government acts, such as Petroleum Act, Explosives Act, Petroleum and Carbides of Calcium Manual of the Chief Controller of Explosives, Govt. of India., etc., Prior approval for the authorized BHEL official at the site shall also be taken by the contractor in all such matters.

The contractor shall arrange at his cost (wherever not specified) appropriate illumination at all work spots for safe working natural daylight may not be adequate for clear visibility.

The contractor shall be held responsible for any violation of statutory regulations local, state or central) and BHEL instructions, that may endanger safety of men, equipment, material and environment in his scope of work or

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another contractor`s or agencies. Cost of damages if any, to life and property arising out of such violation of statutory regulations and BHEL instructions shall be borne by the contractor.

In case of a fatal or disabling injury accident to any person at the premises due to lapses by the contractor, the victim and/or his/her dependents shall be compensated by the contractor as per statutory requirements. However, if considered necessary, BHEL shall have the right to impose appropriate financial penalty on the contractor and recover the same from payments due to the contractor for suitably compensating the victim and/or his/her dependents. Before imposing any such penalty, appropriate enquiry shall be held by BHEL giving opportunity to the contractor to present his case.

In case of any damage to property due to lapses by the contractor, BHEL shall have the right to recover cost of such damages from payments due to the contractor after holding an appropriate enquiry.

In the case of delay in the completion of a jobs due to mishaps to lapses by the contractors, BHEL shall have right to recover cost of such delay from payments due to the contractors, after notifying the contractor suitably and giving an opportunity to present his case.

If the contractor fails to improve the standards of safety in its operation to the satisfaction of BHEL after being given a reasonable opportunity to do so; and / or if the contractor fails to take

appropriate safety precautions or to provide necessary safety devices and equipment or to carry out instructions regarding safety issued by the authorized BHEL official, BHEL shall have the right to take corrective steps at the risk and cost of the contractor after giving a notice of not less than seven days indicating the steps that would be taken by BHEL.

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The contractor shall submit report of all accidents, fires and property damage, dangerous occurrence to the authorized BHEL official immediately after such occurrence, but, in any case not later than twelve hours of the occurrence. Such reports shall be furnished in the manner prescribed by BHEL. In addition, periodic reports on safety shall also be submitted by the contractor to the authorized BHEL official from time to time as prescribed.

Before commencing the security work, the contractor shall appoint/nominate a responsible officer to supervise implementation of all safety measures and liaison with his counterpart of BHEL.

If Safety records' of the contractor in execution of the awarded job is to the satisfaction of Safety Department of BHEL, issue of an appropriate certificate to recognize the safety performance of the contractor may be considered by BHEL after completion of the job.

7. MODEL RULES FOR LABOUR WELFARE

The Contractor shall at his own expense comply with or cause to be complied with model Rules for Labour Welfare as appended to these conditions or rules framed by Government from time to time for the protection of health and for making sanitary arrangements for workers employed directly or indirectly on the works. In case the Contractor fails to make arrangements as aforesaid, the Engineer-in-charge shall be entitled to do so and recover the cost thereof from the contractor.

8. ARBITRATION AND GOVERNING LAW

All disputes arising in connection with the contract shall be settled by mutual consultation. If no agreement is reached, the dispute shall be settled in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the Rules made there under. The dispute shall be referred for arbitration to any arbitrator to be appointed by the Head of unit of BHEL-EDN. Job with the BHEL will not be a disqualification for appointment as arbitrator. The award of

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the arbitrator shall be final and binding on both the parties. The venue of the arbitration shall be Bangalore. The award to be given by the arbitration shall be a speaking award.

9. Signature of the Parties

A contract agreement needs to be executed as per BHEL format on non-judicial stamp paper of Rs 100/- to be purchased by the contractor. It should be signed with seal of the firm / company and witnessed.

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ANNEXURE – I**GUIDELINES FOR REVERSE AUCTION PROCEDURE**

Against this enquiry for the subject items/system with detailed scope of supply as per enquiry specifications, BHEL proposes to resort to “REVERSE AUCTION PROCEDURE” i.e., ONLINE BIDDING ON NETWORK, before finalizing the purchase order on technically competent bidders as per the guidelines given below:

1. Reverse auction procedure shall be applicable for 2 part bid tenders only.
2. For the proposed reverse auction, technically and commercially acceptable bidders only shall be eligible to participate, BHEL will engage the services of a service provider, having network all over the world. The online bidding can be done from the vendor’s respective offices on their computers with internet facility or at any of the cyber café, for which services provider’s representative will provide all necessary training and assistance before commencement of on line bidding. Training is free of cost.
3. Vendors have to fax the compliance form in the prescribed format (provided by Service provider) before start of reverse auction. Without this, Reverse Auction will not be started. Delay in fixing the above will lead to disqualification.
4. BHEL will send the Auto formulated EXCEL sheet which will help to arrive at “Total Cost to BHEL” like Basic Materials Cost, Packing & forwarding charges, Excise duty, Sales tax/VAT, Freight charges, Insurance (by BHEL), Service Tax for Service,(-) ED disclaimer if any, loading factors (for non-compliance to BHEL standard Commercial terms & conditions) for each of the vendor to enable them to fill-in the price and keep it ready for keying in during the auction.
5. Reverse Auction will be conducted on mutually agreed schedule and time.

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6. After Revers Auction is conducted, successful bidder has to FAX the filled- in Excel sheet showing the final value accepted in Revers Auction with breakup of each element as indicated in SI No.4 above to the service provider within 48 hours of auction without fail.

Note: No Charges are allowed in rate of excise Duty, Sales Tax, Freight, Insurance, Service Tax and Loading factors after auction is completed.

7. After the revers auction is conducted, the bidder whose price is lowest (total cost to BHEL, after considering all factors as per enquiry including loading factors for deviations to BHEL standard Commercial Terms & conditions), BHEL will process the tender as per BHEL purchase norms. Purchase order will be issued without loading factors for deviations.

Note: BHEL will also reserve the right to open the sealed price offer submitted by the vendors for comparison purpose, if deemed necessary, without any intimation to the technically and commercially accepted bidders.

8. 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 only be opened as per BHEL's standard practice without seeking anymore price impacts on account of BHEL not going for Reverse Auction. Hence please quote your best lowest price in first instant itself.
9. Training by service provider will be given only for the subsequent reverse auction. Training will not be given for a company which has already taken training for the FIRST REVERSE AUCTION conducted by BHEL-EDN, Bangalore.

10. Activities involved in Reverse Auction:

- a) BHEL will inform the vendor in writing, the Service provider's information to enable them to contact & get trained. Along with above information Business rules/policy also will be sent.
- b) Vendors have to contact Service provider and send Compliance form for having understood Reverse Auction procedure and ready for auction.

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- c) BHEL will sent the Auto formulated Excel sheet (blank format without prices) as mentioned in SI No.4 above to the respective vendors.
 - d) Vendors have to fill-in the Excel sheet (provided by BHEL) including loading factors and get ready for reverse auction.
 - e) Date & Time of reverse Auction and Website address will be intimated by Service provider.
 - f) Bid decrement will be indicated in the website after the Sealed bid is over and before start of Reverse auction.
 - g) Vendors will be have to key-in the “Total cost to BHEL” (as worked out in the Excel sheet mentioned in SI No.4 above) in the “Sealed Bid” of the Reverse Auction within specified time duration of 20 to 30 minutes. After “Sealed Bid” auction, the lowest bidders value or BHEL’s start bid price will be the starting bid value for the commencement of Reverse auction(English Reverse).
 - h) At the end of Reverse auction time (English Reverse), the lowest bidder will be known on the network.
 - i) Successful bidder has to fax filled-in EXCEL sheet showing the final value accepted in the Reverse auction with breakup of each component within 48 hours of completion of the Reverse Auction without altering any of the terms to the service provider. Any alterations will be taken as sabotaging the tender process and will invite disqualification of vendor to conduct business with BHEL for the period of 2 Years.
 - j) The loading factors for non-conformance to BHEL standard commercial terms are only for arriving at lowest bidder. In the event of purchase order, same will be issued without Loading factor values indicated in EXCEL sheet. We repeat PO, will be issued for scope of Supply + Packing & Forwarding charges if any, Excise duty, Sales tax, Service tax for service and Freight Insurance. Insurance will be to BHEL account.
11. This tender BHEL-ESD Proposes to resort to (Reverse Auction Procedure) that is online bidding on network to finalize the tender on technically and commercially Competent Vendor.

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GENERAL SAFETY PRECAUTIONS WHILE ON WORK

Do:

1. Use proper hand gloves, masks, goggles while handling chemicals such as Iso-propyle alcohol, thinner, flux , conformal coating (lacquer), solder paste.
2. Use heat resistant gloves while cleaning near wave solder machine, temperature cycling Machines (dry chambers).
3. Use safety goggles while cleaning near wave solder bath.
4. Wash thoroughly with water, the affected part of the body in case of splashes of chemicals.
5. Open cautiously a container, be alert for sprays or splashes of acids/alkalies.
6. Treat all liquids as dangerous, until you know that they are safe.
7. Handle very carefully the bottles / containers which have no labels.
8. Always wash hands and other exposed skin areas after using chemicals, upon exiting the chemical use area, and before eating or drinking.
9. When cleaning, use nonflammable solvents.
10. Before handling any chemical check with MSDS for the safety precautions required.
11. Store chemicals in stable racks in clearly marked containers and in designated areas.
12. Always leave gangways between stacks, between stacks and walls.
13. Keep all combustible materials away from any kind of heat source.
14. Make sure that your route is clear of obstacles.
15. When going down a ramp, keep the load in front.
16. Keep gangways clear and unobstructed.
17. Keep your work area clean and dry.
18. Undergo periodical medical checkup for health monitoring.

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Don't:

1. Do not eat, drink, chew gum, or store food, beverages, or medications in areas where chemicals are used or stored.
2. Do not smell or taste chemicals.
3. Do not keep materials / tools / components projecting into gangways / aisles.
4. Do not store / stack materials in front of electrical control panels/ switches and fire extinguishers.
5. Do not store inflammable near any electrical switch boards/ cubicles.
6. Do not throw cotton waste soaked with inflammable liquids/ solvents/ chemicals in drains or room corners.
7. Do not use solvents to clean hands after work.
8. Do not use thinner to clean floors.
9. Do not block exits, fire extinguishers.
10. Do not store projecting material near gangways.
11. Do not carry a load, which is too heavy for you. Get help if the load is too heavy.
12. Do not carry a load that obstructs the view ahead.
13. Do not pull a hand truck, but push it.

Note: The above list is only indicative and not exhaustive. Regarding various safety precautions to be taken, follow your Superior's instructions.

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PART II: PRICE BID

ACTIVITY CHART

ACTIVITY CHART												
DURATION OF CONTRACT: 2 YEARS			SCHEDULE A									
CE ASSEMBLY ESD												
Sl.No.	Activity (Examples)	Category	Location	Frequency	Quantum of work/Frequency	Unit of work	Std.time per unit(in Min)	Quantum of Work / Per annum	Rate Per Unit Work In Rs. (Fig.)	Rate Per Unit Work In Rs. (Words.)	TOTAL AMOUNT IN RS PER ANNUM (Figure)	TOTAL AMOUNT IN RS PER ANNUM (Words)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Shifting of cubicles to workcentres as per production plan	USW	PRODUCTION BUILDING	Daily	20	No of cubicles	20	6040 .00				
2	Cleaning of cubicles before mid-3 operation	USW	PRODUCTION BUILDING	Daily	18	No of cubicles	10	5436.00				
3	Material unloading and movements from despatch building to production block etc	USW	PRODUCTION BUILDING/ DESPATCH	Daily	15	No of times	18	4530.00				
4	Arranging of materials in production stores	USW	PRODUCTION BUILDING	Daily	10	No of times	120	3020.00				
5	Collection of cable drum,sizing of cables,bundling,identifying and distributing.	USW	PRODUCTION BUILDING	Daily	10	No of times	60	3020.00				
6	Cleaning of cubicles before testing	USW	PRODUCTION BUILDING	Daily	10	No of cubicles	10	3020.00				
7	Cleaning with moist cloth of cubicles before sending the cubicles to despatch area	USW	PRODUCTION BUILDING	Daily	20	No of cubicles	45	6040 .00				
8	Movement of cubicles to despatch area & to production building and assistance for loading in the truck	USW	PRODUCTION BUILDING	Daily	15	No of times	20	4530.00				
9	Segregation of scrap materials and sending to scrap yard	USW	PRODUCTION BUILDING	Daily	5	No of times	45	1510.00				
10	Battery operated trolleys to be arranged for charging.	USW	PRODUCTION BUILDING	Daily	2	No of trolleys	25	604.00				
11	Floor sweeping and wet mopping of stores, production area, despatch (hardware stores, painted item stores, c.profile/busbar stores, tool crib, reworkcell, door storage area).	USW	PRODUCTION BUILDING	Daily	4	No of times	452	1208.00				
12	Cleaning of Mechanical components and BO Components in shop before mounting.	USW	PRODUCTION BUILDING	Daily	4	No of times	465	1208.00				
13	Collection, Movement and distribution of pre fab cable. assembly to work centres	USW	PRODUCTION BUILDING	Daily	9	No of times	170	2718.00				
14	Supervision	SSW		Daily	1		458	302.00				
TOTAL AMOUNT IN RS FOR TWO YEARS IN FIGURES												
USW - Un Skilled Worker SSW - Semi Skilled Worker												
TOTAL AMOUNT IN RS FOR TWO YEARS IN WORDS												
TOTAL AMOUNT SCHEDULE A + SCHEDULE B + ADDITIONAL AMOUNT in RS in words and figure												
<p>Note for the bidders: 1) The Quoted rate should have average daily wages for next two years (inclusive of ESI,PF,Bonus,accounting for leaves & paid holidays ,Travelling allowance @Rs.30/- per day,attendance bonus @Rs.10/-per day and Washing allowance@Rs.75 per month including Service charge & service tax.</p> <p>2) NOT TO BE QUOTED: Uniform items should be provided as per BHEL instructions and reimbursement will be allowed accordingly.</p>												

ACTIVITY CHART

DURATION OF CONTRACT: 2 YEARS		SCHEDULE B										
CE SYSTEM TESTING ESD												
Sl.No.	Activity (Examples)	Category	Location	Frequency	Quantum of work/Frequency	Unit of work	Std.time per unit(in Min)	Quantum of Work / Per annum	Rate Per Unit Work In Rs. (Fig.)	Rate Per Unit Work In Rs. (Words.)	TOTAL AMOUNT IN RS PER ANNUM (Figure)	TOTAL AMOUNT IN RS PER ANNUM (Words)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Cubicle Cleaning, Movement & arrangement using manual/battery operated pallet trucks.	USW	PRODUCTION BUILDING	Daily	10	Nos of cubicles	20	3020.00				
2	Thorough Dusting using vacuum cleaner/ wet mopping of tables & chairs, conference tables, chairs & other customer office furniture.	USW	PRODUCTION BUILDING	Daily	9	Nos of items	25	2718.00				
3	Movement of test facilities/ material between the test shop-floors, FS or any other dept. within campus, either trolley/ battery truck/ hand carrying.	USW	PRODUCTION BUILDING/ DESPATCH	Daily	9	No of times	30	2718.00				
4	Cleaning and arranging test facilities within shop floor or back to the stores (Power supplies, Transformer, variacs, instruments, & other test equipments.	USW	PRODUCTION BUILDING	Daily	5	No of times	60	1510.00				
5	Cleaning battery operated / manual trolleys & arranging battery operated trolleys for charging	USW	PRODUCTION BUILDING	Daily	4	No of trolleys	25	1208.00				
6	Module/ material movement between testing/ PCB area/ stores/ despatch area and carrying test instruments to calibration lab & bringing it back.	USW	PRODUCTION BUILDING	Daily	8	No of times	30	2416.00				
7	Paper & document movement between system testing and other departments, serving customers during panel inspection	USW	PRODUCTION BUILDING	Daily	5	No of times	25	1510.00				
8	Unpacking, cleaning & re-packing of project PCs coiling & storing power cables etc; giving support for connection & disconnection of hose pipes, bus bars, cables, filling oil in panels/ transformers and cleaning oil spillages	USW	PRODUCTION BUILDING	Daily	4	No of times	75	1208.00				
9	Cleaning various stores(materials/ instruments/ document) and related items.	USW	PRODUCTION BUILDING	Daily	6	No of times	200	1812.00				
10	Additional shop floor sweeping & mopping(unscheduled)	USW	PRODUCTION BUILDING	Daily	2	No of times	60	604.00				
TOTAL AMOUNT IN RS FOR TWO YEARS IN FIGURES												
USW - Un Skilled Worker SSW - Semi Skilled Worker												
TOTAL AMOUNT IN RS FOR TWO YEARS IN WORDS												
Note for the bidders: 1) The Quoted rate should have average daily wages for next two years (inclusive of ESI,PF,Bonus,accounting for leaves & paid holidays ,Travelling allowance @Rs.30/- per day,attendance bonus @Rs.10/-per day and Washing allowance@Rs. 75 per month including Service charge & service tax. 2) NOT TO BE QUOTED: Uniform items should be provided as per BHEL instructions and reimbursement will be allowed accordingly.												