

BHARAT HEAVY ELECTRICALS LIMITED
HEEP HARIDWAR INDIA-PIN 249403
FAX NO: 0091 1334 226462/223948
PHONE NO: 0091 1334 284144

Tender No.: F/F219/19/2687/K1

Sub: BHEL-HEEP/OPEN-TENDER for Carbon Steel Plates (BQ)

The Heavy Electricals Equipment Plant (HEEP) located in Haridwar, India is one of the major manufacturing plants of Bharat Heavy Electricals Ltd. The core business of HEEP includes design and manufacture of large steam turbines, turbo generators and so on.

Sealed tenders with the Tender No. and opening date clearly super scribed on the cover are invited from the manufacturers (registered as well as unregistered) for the supply of the following items: -

Tender No.	Item Description	Mat. Code	Size (mm)	Qty. (MT)	Qty. (No)	Delivery Schedule
F/F219/19/2687/K1	Carbon Steel Plates – Intermediate and High temperature (BQ Plates) Specification- AA10401 Rev 16	AA1041801319	120 x 2700 x 5200mm	119	09	30.03.20
		AA1041801343	150 x 1900 x 3800mm	68	08	30.03.20
		HW1041801939	100 x 4000 x 4000mm	50.24	04	30.03.20

The tender documents & Specification of item can be downloaded from our web site www.bhel.com or www.bhelhwr.co.in . **Only those vendors who fulfill the Minimum Qualifying Requirements (as per Annexure-II) will be considered for further technical evaluation.**

The last date for downloading tender documents shall be 08.12.2019 & opening of tender shall be 09.12.2019. Tenders will be received up to 01.45 P.M. on **09.12.2019** and opened on the same day at 2.00 P.M. in the Tender Room. **Please note that tender received after due date & time (01.45 PM on 09.12.2019) will not be opened.** BHEL will not be responsible for any type of postal / courier delay.

Intending vendors must remit requisite **EMD Rs. 2,00,000/-** (Rupees Two lakhs only) for indigenous vendors (or equivalent amount in foreign currency for **foreign vendors**) in the form of pay order or bank draft while submitting the tender documents as detailed in “Instruction to Bidders”, after downloading from the web site.

EMD is waived off for-

- Central/ State – PSUs/ Government departments
- As per government guidelines, MSE suppliers are exempted for submission of EMD (Valid Documentary proof against MSE must be submitted along with offer to avail the benefits).
- The vendors registered for **BQ Plates (Spec: AA10401 Rev: 16) in PMD SL024** with BHEL, Haridwar are also exempted from EMD.

The details of each item with required delivery are given in **Annexure-I (Details of Items)**

Please submit your Techno-Commercial offer only for the above requirement subject to our terms and conditions.

IN ADDITION TO VENDORS MENTIONED ABOVE, OFFERS SHALL ONLY BE CONSIDERED OF THOSE VENDORS WHO WILL SUBMIT EMD. PLEASE SUBMIT DRAFTS FOR EMD DRAWN IN FAVOUR OF BHARAT HEAVY ELECTRICALS LTD. HEEP, HARIDWAR IN ANOTHER ENVELOPE SUPERSCRIBED WITH BOLD LETTERS “EMD”. The tender will be opened at 2 PM on the due date in the presence of authorized representative of the bidders who may like to be present. The authorized representative should bring authority letter from their parent company (Manufacturer) for attending the bid opening.

KINDLY READ “INSTRUCTIONS TO BIDDERS”. QUOTATION NOT IN ACCORDANCE WITH THE INSTRUCTIONS ARE LIABLE TO BE DISQUALIFIED AND IGNORED.

INSTRUCTIONS TO BIDDERS FOR OPEN TENDER

DEFINITION

Registered Vendors - Are those who are registered with BHEL, Haridwar for procurement of Carbon Steel Plates as per spec AA10401, Rev 16 in PMD SL024.

Un-registered Vendors - Are those who are Not registered with BHEL, Haridwar for procurement of Carbon Steel Plates as per spec AA10401, Rev 16 in PMD SL024.

Vendors must fill up Annexure– II in confirmation to Pre- Qualification Requirements and quality requirements.

ESSENTIAL INSTRUCTIONS

1. **BHEL team may visit the vendor (s) works for verification of capability and capacity claimed in tender documents/offer (s).**
2. The tenders shall be submitted in two parts
 - i. Part I - Techno -Commercial Bid & Pre-Qualification Requirement,
 - ii. Part II - Price Bid
3. **The Quotation should be from the Principal / Original Manufacturer, failing which the quotation is likely to be ignored. In Case the quotation is submitted through agent, the quotation must accompany original authorization letter and following to be followed-**
 - a. Either the agent could bid on behalf of the manufacturer/ supplier or the manufacturer/ supplier could bid directly but not both.
 - b. In case bids are received from both the manufacturer/ supplier and the agent, bid received from the agent shall be ignored.
 - c. The agent shall not be allowed to represent more than one manufacturer/ supplier in the same tender.

The authorization letter from the manufacturer, clearly indicating contact details like Name, E-mail & address of manufacturer and relationship with agent and its validity to be submitted with bid. The authorization letter should be tender specific. In case order is to be placed and executed by the agent, the following aspects are to be ensured-

- a. The manufacturer should meet the PQR requirements as defined in the tender.
 - b. In order to establish capability of agent to execute the order, the agent should have annual turnover of at least equal to the estimated value of the goods required under the subject tender during one Financial Year and Net worth of the bidder (agent) should be positive.
 - c. Manufacturer and bidder should Jointly confirm Guarantee for the Quality of product and timely delivery as stipulated in NIT.
4. Documents submitted with the offer/bid by the bidder shall be signed and stamped in each page by authorized representative of the bidder. In case the bid is submitted by FAX, the bidder shall simultaneously ensure submission of signed and stamped (in each page) original bid to BHEL. If the documents are received in soft form, the same should be transmitted through vendor's authorized e-mail followed by the signed and stamped copy of the same documents.
 5. Any corrections / amendments shall be properly & fully authenticated with signature. No overwriting is acceptable.
 6. Part-I containing Techno-Commercial bid & Pre-Qualification Requirement will be opened on the date and time specified in the tender notice in the presence of those vendors who wish to attend.
 7. Part-II (Price Bids) along with supplementary price bids, if necessary, will be opened at a later date of only those bidders whose techno-commercial bid has been found acceptable.
 8. Suitability of delivery shall be the important criteria for evaluation of techno commercial bid.
 9. Currency exchange rate will be applicable on the date of opening of Part-I (Techno-commercial Bid) for evaluation purpose.
 10. **Evaluation of Bid: - The bid shall be evaluated**
 - a. **Cost to BHEL basis. (Basic Cost + Insurance + Inspection + Transportation + Duty + Taxes)**
 - b. **The loading, if any, on account of LD penalty, payment terms or any other cost determined at later stage, which shall be communicated to the vendor.**
 11. Tenders when finalized shall be in the name of the bidder only and change of name during tender evaluation (without certificate from registrar of company) and after submission of the tender is liable to make the offer ineligible for participation.
 12. All test certificates / Guarantee certificates to be submitted in TRIPLICATE along with dispatch documents.
 13. BHEL reserves the right to open the price bid (part-II) along with the opening of techno-commercial offer at its option and in that case vendor will be informed accordingly.

14. **BHEL reserves the right to go for reverse auction. Vendors are requested to give their best price. In case of failure of reverse auction the paper bid shall be processed. 'Guidelines for Reverse Auction are available at following link**
http://www.bhel.com/vender_registration/vender.php
15. Total weight--/Gross/Net in Kg & also package size essentially should be indicated if not exact then approximate.
16. BHEL will evaluate the technical bids against essential criteria/requirements. BHEL may seek clarifications, if required, from the qualified bidders only. These clarifications will be communicated to the eligible vendors. **The offers of those bidders, who are unable to respond in specified time frame, are likely to be ignored.**

Note: Please visit our site www.bhelhwr.co.in for General Instructions and Standard Terms & Conditions (GISTC) for Tender Enquiries for Indian & Foreign Vendor. All the bidders / vendors must ensure compliance of latest GISTC.

GISTC can also be referred by login to B2B Portal for BHEL approved Vendors.

GISTC are available in following link

<https://www.bhelhwr.co.in/bhelweb/Gistc.jsp>

IN CASE YOU ARE NOT MAKING AN OFFER AGAINST THIS ENQUIRY, THEN PLEASE ARRANGE TO SEND A LETTER OF REGRET.

DETAILS OF COMPOSITION OF PART-I (TECHNO-COMMERCIAL BID) & PART-II (PRICE BID)

PART-I (TECHNO-COMMERCIAL BID) shall comprise of following documents:

- a. Confirmation to Minimum Qualification Requirement and Quality Requirement as per Annexure-II.
- b. Complete technical offer as per specification, drawings, technical requirement along with un-priced bid.
- c. Delivery schedule.
- d. Validity of offer for 90 days to be indicated.
- e. **Deviation with reference to specification/drawing, if any, should be clearly indicated on a separate sheet.**
- f. Details of activity outsourced.

PART –II (Price Bid)

- a. Price bid with prices to be submitted as part-II of the tender.
- b. Prices should remain firm till the execution of the order.
- c. **In case of foreign vendors, Bidders need to quote their prices on CFR any sea port in Mumbai in Euro/USD/JPY/UK Pound/SF/Singapore Dollar or any other internationally freely tradable currency only.** The name of the currency should be clearly indicated in your bids.

Offers received other than CFR basis may result in non-consideration of such bids. However, if BHEL agrees to accept the CFR / FOB condition, to arrive at landed cost at our plant/site, loading shall be done as per **latest GISTC**.

In case of Indigenous vendor, prices may be quoted on FOR- Destination- Store-HEEP-BHEL basis. In case BHEL accepts the EX-Works prices such offers will be loaded by 1.5% of EX-Works value towards freight or with actual freight charges as per BHEL freight rate contract whichever is higher.

Insurance – Marine in case of foreign vendor & inland in case of Indigenous vendor shall be taken care by BHEL.

- d. **Prices are to be written in both Figures & Words. In case of any difference between the two, the figure written in words shall be considered for evaluation. No over writing in this is acceptable.**
- e. Penalty for Late Deliveries shall be applicable @0.5% per week or part thereof on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies. In case of any variation in LD penalty, your prices shall be loaded to the extent LD penalty not accepted by you.

MARKING OF ENVELOPE:

- Each envelope is to be super scribed as TENDER FOR “Carbon Steel Plates (BQ)” AGAINST TENDER NO. **F/F219/19/2687/K1** DUE ON **09.12.2019**.
 - Drafts for EMD to be kept in one envelop – Envelop I. On the Top of the envelope, please write Draft No., Issuing Bank Details & Amount. Those vendors who are quoting for more than one tender must submit a statement in the envelopes of all those tenders giving details of all the tenders being quoted. However, the draft of each tender should be kept in individual tender envelop.
 - Pre- Qualification Documents are to be kept in one envelope – Envelope II.
 - Techno-Commercial Bid to be kept in another envelop – Envelop-III & to be marked as Techno-Commercial Offer.
 - **Above Envelops I, II & III are to be sealed in one Envelope and marked as Part-I (Techno -Commercial Bid).**
 - **Price Bid to be kept in another envelope-IV & to be marked as Part-II (Price Bid).**

ANNEXURE-I**(Item Details and Delivery Schedule)**

Tender No.	Item Description	Mat. Code	Size (mm)	Qty. (MT)	Qty. (No)	Delivery Schedule
F/F219/19/2687/K1	Carbon Steel Plates – Intermediate and High temperature (BQ Plates) Specification- AA10401 Rev 16	AA1041801319	120 x 2700 x 5200mm	119	09	30.03.20
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		HW1041801939	100 x 4000 x 4000mm	50.24	04	30.03.20

Remarks-

1. The prices are to be quoted in per Kg /per MT only.
2. Quantity tolerance $\pm 10\%$ is acceptable considering the required number of plates.
3. BIS certification as per grade IS: 2002 or IS 2041 for P265GH of EN10028-2 is mandatory. Offer of only those vendors will be considered who have BIS certification as per grade IS: 2002 or IS 2041 for P265GH of EN10028-2 before price bid opening.
4. Risk purchase clause as per Annexure VIII shall be applicable. If you do not confirm this in your offer, then it shall be presumed to be acceptable and no further confirmation will be taken after opening of techno-commercial bid part- 1.
5. Penalty for late deliveries shall be applicable @0.5% per week or part there off on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies."
6. After placement of order vendor should submit their invoices against goods and services immediately after supply of goods & services but not later than 30 days from the invoice date. In case of any delay, consequential losses like loss of input credit and non-availability of concessional forms etc., shall be to the vendor account.
7. For this procurement, public procurement (preference to make in India), order 2017 dated 15.06.2017, 28.05.2018 & 29.05.2019 and subsequent orders issued by the respective nodal ministry shall be applicable even if issued after issue of this NIT but before finalization of contract/ PO/WO against NIT. In the event of any nodal ministry prescribing higher or lower percentage of purchase preference and/ or local content in respect of this procurement, same shall be applicable .

NOTE: THE QUANTITY INDICATED ABOVE CAN BE INCREASED/ DECREASED.

ANNEXURE-II**Minimum Qualification Requirement****➤ Technical Requirements-**

Point numbers 1 to 5 are the **Mandatory Qualification Requirements**. Offers of vendors not meeting these requirements will not be considered.

Sl. No.	Technical Requirement					Vendor's confirmation (Y/N)
01	Vendor must be having experience of manufacturing and supplying Carbon Steel plates for Intermediate and High Temperature service (e.g. P265GH/EN10028, IS: 2002, H265/IS: 2041, ASTM A515, ASTM A516 etc.) of thickness ≥ 120mm, ≥150mm & ≥100mm. Vendor to submit their past supply experience in format below.					
	Sl. No.	Plate Dimension (mm) (Thickness X Width X Length)	Material Grade & Standard	Name of customer/Purchase order No/Year of Supply	Quantity	
	1					
	2					
	3					
	Vendor to submit documentary evidence like test certificates covering chemical, mechanical properties, heat treatment, supply dimension details in support of experience.					
02	Vendor must have in-house rolling and normalizing heat treatment facility to manufacture plates of enquiry dimensions (120 x 2700 x 5200mm, 150 x 1900 x 3800mm & 100 x 4000 x 4000mm). Details of manufacturing facilities like steel melting, rolling, heat treatment, etc. are to be provided.					
03	In case in-house steel melting facility not available, vendor to provide details of steel supplier.					
04	Vendor to furnish in house testing facilities to carry out testing as per the requirements of BHEL specification AA10401. In case of outsourcing of any test, vendor to agree to carry out testing at Government accredited labs only.					
05	Vendor to confirm that they will meet all the requirements of BHEL specification AA10401 Rev 16.					
Note: In case of trader/stockist, vendor to submit details as per points 1 - 5 above of their principal manufacturer. Offers of trader/stockist without these details will not be considered						

Sl. No.	Quality Requirement	Vendor's confirmation (Y/N)
01	Testing and certification as per ordering specification AA10401 Rev 16	
02	Material (120 x 2700 x 5200mm & 150 x 1900 x 3800mm) must be supplied from suppliers those are original steel producers	
Note- This is applicable for both registered as well as un-registered vendors.		

Signature with stamp

Name:

Name of Firm:

Designation:

Date:

ANNEXURE-III

(Specifications)



CORPORATE PURCHASING SPECIFICATION

AA10401

Rev No.16

PAGE 1 of 2

CARBON STEEL PLATES - INTERMEDIATE AND HIGH TEMPERATURE

1.0 GENERAL:

This specification governs the quality requirements of Carbon Steel Plates for Intermediate and High temperature service.

2.0 APPLICATION:

For intermediate and high temperature applications requiring welding, cutting and cold and hot flanging.

3.0 CONDITION OF DELIVERY:

Plates above 12mm thick shall be supplied in the normalized or equivalent condition. Plates of 25mm and above thickness shall be ultrasonically tested.

4.0 COMPLIANCE WITH NATIONAL/INTERNATIONAL STANDARDS:

4.1 Material shall comply with the requirements of IS: 2002 – 2009, Grade 2. Additionally impact testing shall be carried out.

4.2 Material offered as per EN 10028 – 2:2009, Grade: P265 GH +N (Material number 1.0425) is also acceptable.

5.0 DIMENSIONS AND TOLERANCES:

5.1 Sizes:

Material shall be supplied to the dimensions specified on BHEL order.

5.2 Tolerances:

The tolerance on hot rolled plates shall comply with IS/ISO 7452 Class C or EN 10029, Class C.

6.0 MANUFACTURE:

Material shall be manufactured from killed steel having a Carbon Equivalent of 0.44 max (melt analysed).

7.0 HEAT TREATMENT:

Plates above 12mm thick shall be normalized. Normalizing can be replaced by equivalent temperature control during and after hot rolling.

Revisions: Specification brought in line with National/International standard

APPROVED:
INTERPLANT MATERIAL RATIONALISATION
COMMITTEE – MRC(S&GPS)

Rev No.16

Amd No.

Reaffirmed

Prepared

Issued

Dt. of 1st Issue

Dt:11-07-2014

Dt:

Year:

HEEP, Haridwar

Corp.R&D

August, 1976

CORPORATE PURCHASING SPECIFICATION



8.0 TEST SAMPLES:

As per IS: 2002 or EN 10028 – 2 as applicable.

9.0 ULTRASONIC TEST:

Plates 25mm and above are to be ultrasonically tested as per IS: 4225 / ASTM A435 /ASTM A578, Level B.

10.0 FREEDOM FROM DEFECTS:

Plates shall be cleanly rolled to the dimensions specified. The finished material shall be free from excessive segregation of impurities and cracks, surface flaws, laminations, rough, jagged & imperfect edges and internal & surface defects.

Slight scale or shell may, however, be removed by such means as chisel, file, buff or shot blast or other suitable means provided that the thickness of the material is nowhere reduced below the specified thickness. Hammer dressing, patching or welding of defects is prohibited.

11.0 TEST CERTIFICATES:

Unless otherwise specified on the order, three copies of test certificates shall be supplied.

In addition, the supplier shall ensure to enclose one copy of the test certificate along with their dispatch documents to facilitate quick clearance of the material.

The test certificate shall bear the following information:

AA10401 Rev.16 / IS: 2002 Gr.2 or EN 10028 – 2, Gr: P265 GH+N

BHEL Order No.

Melt no, Size & Quantity,

Batch no. with heat treatment details,

Results of Chemical analysis, Mechanical including Bend/Impact tests & Ultrasonic tests.

Supplier's name, Identification No, TC No, Signature of competent authority, etc.

12.0 PACKING AND MARKING:

Plates shall be transported suitably to avoid damage during transit.

For plates below 10 mm thick, each pile (preferably of 16 plates) and each plate 10mm thick & above shall be marked with the suppliers Identification No, Melt No. AA10401, BHEL order no., Suppliers name, Size & weight, on any one corner and encircled with paint preferably of white colour.

13.0 REFERRED STANDARDS (Latest Publications Including Amendments):

- 1) IS/ISO 7452 2) EN 10029 3) IS: 4225 4) ASTM A435 5) ASTM A578

CPs-1052 23/7/14

ANNEXURE-IV

**BHEL Standard Terms & Conditions: To be confirmed and Submitted along with
Techno-Commercial offer (Bid Part-1)**

The confirmation to these terms & conditions must be submitted along with Techno-commercial bid.		
Sl. No.	Description	Your confirmation
1	Material will be supply as per Spec AA10401 Rev 16.	
2	Pl confirm that the size and quantity of each quoted item will be as per Enquiry only.	
3	Pl. confirm the quantity tolerance of +/- 10% .	
4	Validity: Confirm that validity of the offer shall be 90 days from the due date of opening of Techno-Comml. Offers.	
5	Confirm that prices have been quoted on FOR Haridwar(for Indian Bidders) or CFR/CIF Mumbai basis (For foreign bidders).	
6	Kindly Confirm the delivery period from the date of PO in days/weeks/months.	
7	Kindly confirm the standard LD clause " Penalty for late deliveries shall be applicable @0.5% per week or part there off on the value of respective delayed supplies subject to a maximum of 10% of the value of respective delayed supplies." Non acceptance of LD clause will result in loading @10% for price comparison. Also, B/L date shall be considered as delivery date for penalty purpose in case of CFR/CIF Mumbai delivery for foreign vendors.	
8	Acceptance of risk purchase clause is mandatory for all tenders as per standard policy of BHEL. Kindly confirm.	
9	Confirm to participate in Reverse Auction as BHEL reserves the right to go for RA.	
10	Pl. Confirm that the prices will remain firm during the entire validity.	
11	Signed order acceptance shall be furnished within 15 days of order placement.	
12	Kindly accept Standard BHEL Payment Term- "100% after receipt and acceptance of material at BHEL Haridwar".	
13	For Indian Bidders: Kindly provide the applicable GST rate.	
14	Test certificate to be sent with dispatch documents. Kindly confirm	
For Foreign Bidders only		
15	Shipping documents shall be forwarded to us within 7 days from the date of B/L. Kindly confirm.	
16	Shipment of plates will be made through vessel having age not more than 25 years old.	
17	Pl confirm that bank charges condition will be " Either side"	

ANNEXURE-V

General Instructions and Standard Terms & Conditions (GISTC)

For Indian Bidders

Link mentioned below

https://www.bhelhwr.co.in/bhelweb/uploads/GISTC_IND_TE_Ver_April_19_REV04.pdf

ANNEXURE-VI

General Instructions and Standard Terms & Conditions (GISTC) For Foreign Bidders

Link mentioned below

https://www.bhelhwr.co.in/bhelweb/uploads/GISTC_IMP_TE_Ver_April_19_REV_04.pdf

ANNEXURE-VII

Certificate by Chartered Accountant on letter head

This is to Certify that M/s
(hereinafter referred to as 'company') having its registered office atis
registered under MSMED Act 2006, (Entrepreneur Memorandum No (Part- II)
.....dtd:.....,
Category:.....(Micro/Small).(copy enclosed).

Further verified from the Books of Accounts that the investment of the company as
on dateas per MSMED Act 2006 is as follows:

1. **For Manufacturing Enterprises:** Investment in plant and machinery (i.e. original cost excluding land and building and the items specified by the Ministry of Small Scale Industries vide its notification No. S.O.1722(E) dated October 5, 2006:
Rs.....Lacs
2. **For Service Enterprises:** Investment in equipment (original cost excluding land and building and furniture, fittings and other items not directly related to the service rendered or as may be notified under the MSMED act, 2006:
Rs.....Lacs

(Strike off whichever is not applicable)

The above investment of RsLacs is within permissible limit of Rs..... Lacs for
.....micro / small (Strike off which is not applicable) Category under MSMED Act 2006.

Or

The company has been graduated from its original category (Micro / Small) **(Strike off whichever is not applicable)** and the date of graduation of such enterprises from its original category is
(dd/mm/yyyy) which is within the period of 3 years from the date of graduation of such enterprises from
its original category as notified vide S.O. No. 3322(E) dated 01.11.2013 published in the gazette notification
dated 04.11.2013 by Ministry of MSME.

Date:

(Signature)

Name-

Membership Number-

Seal of Chartered Accountant

ANNEXURE-VIII

Risk Purchase Clause

In case of abnormal delays (beyond the maximum late delivery period as per Penalty clause) in supplies / defective supplies or non-fulfilment of any other terms and conditions given in Purchase Order, BHEL may cancel the Purchase Order in full or part thereof, and may also make the purchase of such material from elsewhere / alternative source at the risk and cost of the supplier. BHEL will take all reasonable steps to get the material from alternate source at optimum cost. If bidder does not agree to the above Risk Purchase Clause, BHEL reserves the right to reject the offer. In case for compelling reasons BHEL accepts the offer without acceptance of this clause by the bidder and in the eventuality of Risk Purchase, appropriate action will be taken as per BHEL extant rules. This will be without prejudice to any other right of BHEL under the contract.

Risk & Cost Clause, in line with Conditions of Contract may be invoked in any of the following cases:

1. Contractor/ supplier's poor progress of the work vis-à-vis execution timeline as stipulated in the Contract, backlog attributable to contractor/ supplier including unexecuted portion of work/ supply does not appear to be executable within balance available period (#) considering its performance of execution.
2. Withdrawal from or abandonment of the work by contractor before completion of the work as per contract.
3. Non completion of work/ Non-supply by the Contractor/ supplier within scheduled completion/delivery period as per Contract or as extended from time to time, for the reason attributable to the contractor/ supplier.
4. Termination of Contract on account of any other reason (s) attributable to Contractor/ Supplier.
5. Assignment, transfer, subletting of Contract without BHEL's written permission resulting in termination of Contract or part thereof by BHEL.
6. Non-compliance to any contractual condition or any other default attributable to Contractor/ Supplier.

#In-case inputs from BHEL/Customer are likely to be delayed or are actually delayed, this delay may also be taken into account while considering balance period available for execution of Contract.

Risk and Cost against Balance Work:

Risk & Cost Amount= $[(A-B) + (A \times H/100)]$

Where,

A= Value of Balance scope of Work/ Supply (*) as per rates of new contract

B= Value of Balance scope of Work/ Supply (*) as per rates of old contract being paid to the contractor/ supplier at the time of termination of contract i.e. inclusive of PVC & ORC, if any.

H = Overhead Factor to be taken as 5

In case (A-B) is less than 0 (zero), value of (A-B) shall be taken as 0 (zero).

***(Balance scope of work/ supply)**

Difference of Contract Quantities and Executed Quantities as on the date of issue of Letter for 'Termination of Contract', shall be taken as balance scope of Work/ Supply for calculating risk & cost amount.

Contract quantities are the quantities as per original contract. If, Contract has been amended, quantities as per amended Contract shall be considered as Contract Quantities.

Items for which total quantities to be executed have exceeded the Contract Quantities based on drawings issued to contractor from time to time till issue of Termination letter, then for these items total Quantities as per issued drawings would be deemed to be contract quantities.

Substitute/ extra items whose rates have already been approved would form part of contract quantities for this purpose. Substitute/ extra items which have been executed but rates have not been approved, would also form part of contract quantities for this purpose and rates of such items shall be determined in line with contractual provisions.

However, increase in quantities on account of additional scope in new tender shall not be considered for this purpose.

NOTE: In case portion of work is being withdrawn, contract quantities pertaining to portion of work withdrawn shall be considered as 'Balance scope of work/supply' for calculating Risk & Cost amount.

LD against delay in executed work/supply in case of Termination of Contract

LD against delay in executed work/supply shall be calculated in line with LD clause of the contract for the delay attributable to contractor/ supplier. For this purpose, contract value shall be taken as Executed Value of work/supply for the purpose of limiting maximum LD value.

Method for calculation of "LD against delay in executed work/supply" is given below.

- i. Let the time period from scheduled date of start of work till termination of contract excluding the period of Hold (if any) not attributable to contractor/ supplier= T1
- ii. Let the value of executed work/supply till the time of termination of contract= X
- iii. Let the Total Executable Value of work/supply for which inputs/fronTS were made available to contractor/ supplier and were planned for execution till termination of contract = Y
- iv. Delay in executed work/supply attributable to contractor/supplier i.e.
$$T2 = \left(1 - \frac{X}{Y}\right) \times T1$$
- v. LD shall be calculated in line with LD clause of the Contract for the delay attributable to contractor/ supplier taking "X" as Contract Value and "T2" as delay attributable to contractor/ supplier.

Note: In case portion of work/supply is withdrawn, no LD shall be applicable for portion of work/supply withdrawn.