Corrigendum - 6 to Tender for the work of "Erection, Testing, Commissioning, Trial Operation & Handing Over including Handling of materials at BHEL / Client's Stores / Storage Yard and transportation to site, preparation of foundation, NDT, fixing of hangers & supports, application of lining, Insulation, supply & painting, Stenciling & Labelling of Steam Turbine & Generator, Boiler and auxiliaries, Power Cycle piping, ESP & auxiliaries, CW, ACW, LP & Raw Water/Yard piping, DG sets and Fire Detection & Protection system (FDPS) including piping, pumps etc. at Unit-1 & 2 of 2x800 MW DVC Koderma TPP STAGE-II

- a. Package-A: Unit # 1 STG & Aux, Boiler & Aux, Power Cycle Piping, ESP & Aux, CW Piping, LP Piping (including Common System LP Piping), Raw Water/Yard Piping, DG Sets and FDPS, including common areas, of 2x800 MW DVC Koderma TPP STAGE-II.
- b. Package-B: Unit # 2 STG & Aux, Boiler & Aux, Power Cycle Piping, ESP & Aux, CW Piping, LP Piping, Raw Water/Yard Piping, DG Set and FDPS of 2x800 MW DVC Koderma TPP STAGE-II"

A) Modification in NIT Clause 23 and Annexure-I Pre-Qualifying Requirement is as below:

Reference Clause	Existing Clause in Tender	Revised Clause
NIT Clause	Number of partners for a Consortium Bidding (or Technical	Number of partners for a Consortium Bidding (or Technical
23.3	Tie up) including Prime Bidder shall be NOT more than 02 (Two).	Tie up) including Prime Bidder shall be NOT more than 03 (Three).
PQR SI. No.	As per Annexure-1 of NIT	As per Annexure-1 Rev01 of NIT (Bidder has to submit duly filled in Format)
В	Technical QR: Bidder who wish to participate should have experience under B.1 OR (B.2.1 and B.2.2) as follows:	Technical QR: Bidder who wish to participate should have experience under B.1 OR (B.2.1 and B.2.2) OR (B.3.1 AND B.3.2 AND B.3.3 AND B.3.4) as follows:
B.1	Bidder should have Executed One Boiler * of unit rating ≥ 190 MW. Note: *Bidder should have executed as standalone (i.e., without any consortium) Boiler consisting of "Pressure Parts", "Structure" and "Power Cycle Piping of same/different unit of same/higher rating".	Bidder should have Executed One Boiler * of unit rating ≥ 190 MW. Note: *Bidder should have executed as standalone bidder. Boiler consisting of "Pressure Parts", "Structure" and "Power Cycle Piping of same/different unit".
OR	OR	OR
B.2.1	Bidder should have Executed {(a.1) OR (a.2)} AND {(b.1) OR (b.2)}	Bidder should have Executed {(a.1) OR (a.2)} AND {(b.1) OR (b.2)}

Reference Clause	Existing Clause in Tender	Revised Clause
	a.1: Complete 'Pressure Part work'/'Power Cycle Piping work' of One Boiler of unit rating ≥190 MW. OR	a.1: Complete 'Pressure Part work'/'Power Cycle Piping work' of One Boiler of unit rating ≥190 MW. OR
	a.2: Boiler Retrofitting work' which include minimum 10,000 no. of pressure part Joints (including P-91 pipe/tube welding Joint) of One unit of rating ≥500 MW in single work order.	a.2: #Boiler Retrofitting work' which include minimum 10,000 no. of pressure part Joints (including P-91 pipe/tube welding Joint) of One unit of rating ≥500 MW in single work order.
	AND	AND
	b.1: Structure Erection work of 10,000 MT in power Plant as a standalone Bidder in single work order. OR	b.1: Structure Erection work of 10,000 MT in power Plant as a standalone Bidder in single work order. OR
	b.2: 'ESP work' / 'FGD work including Auxiliaries ' of one unit of rating ≥190 MW.	b.2: 'ESP work' / 'FGD work including Absorber ' of one unit of rating ≥190 MW.
	AND	AND
B.2.2	Technical Criteria: (Consortium allowed): Bidder/ Consortium Partner should have Executed One STG or One Boiler (Boiler Necessarily consisting of Rotating Machines) of one unit of rating ≥190 MW.	Technical Criteria: (Consortium allowed): Bidder/ Consortium Partner should have Executed One STG or One Boiler (Boiler Necessarily consisting of Rotating Machines) of one unit of rating ≥190 MW.
OR	OR	OR
B-3	New Criteria Added	Bidder should have executed B.3.1 {(a) OR (b) OR (c)} AND B.3.2 AND B.3.3 AND B.3.4: -
B.3.1		Executed Civil/Structural/Mechanical Work/in any combination thereof in Power Plant/Industrial Projects Project in: a. In single work order of ₹ 139.2 Crore. Or b. In Two (02) work orders of ₹ 87 Crore. Or c. In Three (03) work orders of Rs. 69.6 Crore.
AND		AND

Reference Clause	Existing Clause in Tender	Revised Clause
B.3.2		Bidder should have Executed Structure Erection work of 10,000 MT as a standalone Bidder in single work order in Power Plant Project.
AND		AND
B.3.3		Bidder to meet (Consortium allowed): Bidder/ Consortium Partner should have Executed One Boiler "Consisting of complete Pressure Parts" of Unit rating ≥190 MW.
AND		AND
B.3.4		Bidder to meet (Consortium allowed): Bidder should have Executed One STG of one unit of rating ≥190 MW.
	Explanatory Notes for Technical Criteria	Explanatory Notes for Technical Criteria
	Explanatory Notes for Technical Criteria B1 & B2:	Explanatory Notes for Technical Criteria B1, B2 & B3:
SI. No. 1	Unless otherwise specified, for the purpose of "B1 & B2 Technical Criteria", the word 'EXECUTED' means achievement of milestones as defined below: I. "ERECTION" shall mean completion of Preassembly, Placement, Alignment, Welding/ Bolt Tightening and NDT (as applicable).	Unless otherwise specified, for the purpose of "B1, B2 & B3 Technical Criteria", the word 'EXECUTED' means achievement of milestones as defined below: I. In case of the erection work is under progress, "ERECTION" shall mean completion upto Welding/Bolt Tightening etc. (as applicable).
SI. No. 3	Power Cycle piping means Main Steam, Hot Reheat, Cold Reheat, HP Bypass.	Power Cycle Piping work necessarily consisting of MS, CRH, HRH & HP Bypass inside Main Power House.
SI. No. 5	For B.2.1 – a.1 & b.2, Balance/R&M/Retrofitting/Overhauling type of works shall NOT be considered.	Works of Renovation & Modernization (R&M)/ Retrofitting/ Overhauling/ Balance work shall only be considered in following cases: - a) Specific physical or financial quantity is defined in PQ criteria. b) Categorically specified in PQ criteria.
SI. No. 6	Maximum number of consortium partners allowed is 02 numbers i.e. Main Bidder + One (01) Consortium Partners.	Maximum number of consortium partners allowed is 03 numbers i.e. Prime Bidder + Two (02) Consortium Partners.

Reference Clause	Existing Clause in Tender	Revised Clause
SI. No. 8	New Clause	8. # - Boiler Retrofitting work includes Retrofitting / Overhauling/ R&M/ Balance work of Boiler.
SI. No. 9	New Clause	9. For PQR B.3.1, Exclusive order for supply shall not be considered.
SI. No. 10	New Clause	10. Value of work is to be updated as per procedure defined in Annex-A of Annexure-1 Rev01 of NIT as attached below.
	Common Explanatory Notes for PQR	Common Explanatory Notes for PQR
Common Explanatory Notes SI. No. 10	Consortium bidding is allowed for Criteria B-2.2 only. In case of consortium bidding, following shall be applicable: i. Prime Bidder shall necessarily meet the PQ criteria "B-1 or B-2.1" above. ii. In case a bidder is able to meet the PQ Criteria at "B 2.1" but he is not able to meet next PQ Criteria at B-2.2 mentioned as above, the bidder may submit the bid along with consortium partner for meeting the PQ criteria B-2.2 as above. Agency satisfying the PQ criteria B.2.2 shall be termed as "Consortium Partner". iii. Number of partners including prime bidder shall NOT be more than 02 (two) including Prime Bidder. iv. Prime bidder shall be responsible for satisfying the financial PQR. v. Prime bidder shall submit the entire tender along with the credentials, all statutory documents and the documents in support of PQR condition of the Consortium Partner. vi. All conditions as in Clause 23 of NIT shall also be applicable for consortium bidding.	 ii. In case a: (a) bidder is able to meet the PQ Criteria at "B 2.1" but he is not able to meet balance PQ Criteria at B-2.2 mentioned as above, the bidder/s may submit the bid along with consortium partner for meeting the PQ criteria B-2.2 as above. Agency satisfying the PQ criteria B.2.2 shall be termed as "Consortium Partner. (b) Bidder is able to meet the PQ Criteria at B.3.1 AND B.3.2 but he is not able to meet balance PQ Criteria at B.3.3 AND B.3.4 mentioned as above, the bidders may submit the bid along with consortium partner/partners for meeting the PQ criteria at B.3.3 AND B.3.4 above. Agency satisfying the

Reference Clause	Existing Clause in Tender	Revised Clause
		 iv. Prime bidder shall be responsible for satisfying the financial PQR. v. Prime bidder shall submit the entire tender along with the credentials, all statutory documents and the documents in support of PQR condition of the Consortium Partner. vi. All conditions as in Clause 23 of NIT shall also be applicable for consortium bidding.

Encl:

1. Annexure-1 Rev01 of NIT

Note:

- 1) All other terms and conditions against this NIT shall remain unchanged.
- 2) This corrigendum is to be submitted duly signed and stamped along with the Techno-commercial bid (Part- I).

for BHARAT HEAVY ELECTRICALS LTD Sr. Manager / SCT- CPC

- Erection, Testing, Commissioning, Trial Operation & Handing Over including Handling of materials at BHEL / Client's Stores / Storage Yard and transportation to site, preparation of foundation, NDT, fixing of hangers & supports, application of lining, Insulation, supply & painting, Stenciling & Labelling of Steam Turbine & Generator, Boiler and auxiliaries, Power Cycle piping, ESP & auxiliaries, CW, ACW, LP & Raw Water/Yard piping, DG sets and Fire Detection & Protection system (FDPS) including piping, pumps etc. at Unit-1 & 2 of 2x800 MW DVC Koderma TPP STAGE-II:
 - a. <u>Package-A</u>: Unit # 1 STG & Aux, Boiler & Aux, Power Cycle Piping, ESP & Aux, CW Piping, LP Piping (including Common System LP Piping), Raw Water/Yard Piping, DG Sets and FDPS, including common areas, of 2x800 MW DVC Koderma TPP STAGE-II
 - b. <u>Package-B</u>: Unit # 2 STG & Aux, Boiler & Aux, Power Cycle Piping, ESP & Aux, CW Piping, LP Piping, Raw Water/Yard Piping, DG Set and FDPS of 2x800 MW DVC Koderma TPP STAGE-II

TENDER NO. BHEL/CPC/KOD/BTG-ESP/26/033

SL NO	PRE-QUALIFICATION CRITERIA		Bidders to fill following details in respect of fulfilling the Criteria				the PQR	
	FRE-QUALITICATION CRITERIA		Supporting Docs	s Details			Referen ce	
А	Submission of Integrity Pact duly signed (Note: To be submitted by Prime Bidder & Consortium/Technical Tie up partner jointly in case Consortium bidding is permitted, otherwise by the sole bidder)	Applicable						
В	Technical QR: Bidder who wish to participate should have experience under B.1 OR (B.2.1 and B.2.2) OR (B.3.1 AND B.3.2 AND B.3.3 AND B.3.4) as follows:		Work Order	Work Details	Client Details	Executed Value/ Quantity	File Name & Page No.	

B.1	Bidder should have Executed One Boiler * of unit rating ≥ 190 MW. Note: Bidder should have executed as standalone bidder. Boiler consisting of "Pressure Parts", "Structure" and "Power Cycle Piping of same/different unit.	Applicable			
OR					
B.2.1	Bidder should have Executed {(a.1) OR (a.2)} AND {(b.1) OR (b.2)} a.1: Complete 'Pressure Part work'/'Power Cycle Piping work' of One Boiler of unit rating ≥190 MW. Or a.2: #'Boiler Retrofitting work' which include minimum 10,000 no. of pressure part Joints (including P-91 pipe/tube welding Joint) of One unit of rating ≥500 MW in single work order.				
	AND		AND		
	b.1: Structure Erection work of 10,000 MT in power Plant as a standalone Bidder in single work order. Or b.2: 'ESP work' / 'FGD work including Absorber' of one unit of rating ≥190 MW.	Applicable			
	AND		AND	 	
B.2.2	Technical Criteria: (Consortium allowed): Bidder/ Consortium Partner should have Executed One STG or One Boiler (Boiler Necessarily consisting of Rotating Machines) of one unit of rating ≥190 MW.				

OR	OR		OR
B.3	Bidder should have executed B-3.1 {(a) OR (b) OR (c)} AND B-3.2 AND B-3.3 AND B-3.4: -		
B.3.1	Executed Civil/Structural/Mechanical Work/in any combination thereof in Power Plant/Industrial Projects Project in: a. In single work order of ₹ 139.2 Crore. Or b. In Two (02) work orders of ₹ 87 Crore.		
	Or In Three (03) work orders of Rs. 69.6 Crore.		
	AND		AND
B.3.2	Bidder should have Executed Structure Erection work of 10,000 MT as a standalone Bidder in single work order in Power Plant Project.	Applicable	
	AND		AND
B.3.3	Bidder to meet (Consortium allowed): Bidder/ Consortium Partner should have Executed One Boiler "Consisting of complete		
	Pressure Parts" of Unit rating ≥190 MW.		
	AND		AND
B.3.4	Bidder to meet (Consortium allowed): Bidder should have Executed One STG of one unit of rating ≥190 MW.		

С	Financial:				
C-1	TURNOVER: Bidders must have achieved an average annual financial turnover (Audited) of ₹ 5220 Lakhs over last three Financial Years (FY) ending on 31.03.24 or 31.03.25 (i.e. FY. 2021-22, 2022-23, 2023-24 or FY. 2022-23, 2023-24, 2024-25). Note: Turnover means Revenue from Operations and excluding other income.	Applicable			
C-2	NETWORTH (only in case of Companies):	Applicable	 	 	
	Net worth of the Bidder based on the latest Audited Accounts as furnished for 'C-1' above should be positive.				
C-3	PROFIT:	Applicable			
	Bidder must have earned profit in any one of the Five Financial Years ending on 31.03.24 or 31.03.25 (i.e. F.Y. 2019-20, 2020-21, 2021-22, 2022-23, 2023-24 or F.Y. 2020-21, 2021-22, 2022-23, 2023-24, 2024-25,). Bidder to submit audited balance sheet and Profit & Loss Statement for the year as supporting documents.				
C-4	Bidder must not be under Insolvency Resolution Process or Liquidation or Bankruptcy Code Proceedings (IBC) as on date, by NCLT or any adjudicating authority/authorities, which will render him ineligible for participation in this tender, and shall submit undertaking (Annexure-7) to this effect.	Applicable			

C-5	a) The bidder shall submit a 'Certificate of Solvency' for a value of ₹ 3480 Lakhs from any Scheduled Commercial (i.e. Indian or Foreign Banks included in the Second Schedule of Reserve Bank of India Act, 1934 excluding Co-operative banks or Regional Rural Banks) as on date, not earlier than the date of NIT. (Annexure-15 Rev-01)	Applicable			
	-OR-				
	b) The bidder should furnish a letter for Unutilized line of credit from any Scheduled Commercial (i.e. Indian or Foreign Banks included in the Second Schedule of Reserve Bank of India Act, 1934 excluding Cooperative banks or Regional Rural Banks), confirming the availability of the both funds based and non-fund-based line of credit for a value of ₹ 3480 Lakhs as on date, not earlier than the date of NIT. (Annexure-16 Rev-01)				
	-OR-				
	c) The bidder shall submit a certificate for Insurance Surety Bond from any Insurance Company (IRDA approved) for a value of Rs. 3480 Lakhs, as on date not earlier than the date of NIT. (Annexure-14 Rev-01)		No.4	Applicable	
D	Assessment of Capacity of Bidder to execute the work as per SI. no. 9 of NIT		Not	Applicable	

E	Approval of Customer	Applicable	By BHEL
F	Price Bid Opening Note: Price Bids of only those bidders shall be opened who stand qualified after compliance of criteria A to E.		By BHEL
G	Consortium criteria	Applicable	Acceptable

Explanatory Notes for Technical Criteria B1, B2 & B3:

- 1. Unless otherwise specified, for the purpose of "B1, B2 & B3 Technical Criteria", the word 'EXECUTED' means achievement of milestones as defined below
 - a. "ACHIEVEMENT OF PHYSICAL QUANTITIES" as per PQRs.
 - b. "READINESS FOR COAL FILLING" of at least one Bunker, in respect of Mill Bunker Structure.
 - c. "BOILER LIGHT UP" in respect of Boiler / CFBC / ESP.
 - d. "CHARGING OF ATLEAST ONE PASS" in respect of ESP(R&M)
 - e. "GAS IN" in respect of HRSG.
 - f. "STEAM BLOWING" in respect of Power Cycle Piping.
 - g. "HYDRAULIC TEST"/ ANY OTHER EQUIVALENT TEST LIKE "100% RT/UT of WELDED JOINTS" of the system in respect of Pressure parts/LP Piping/CW Piping.
 - h. "FULL LOAD OPERATION OF THE UNIT" in respect of Insulation work.
 - i. "SYNCHRONISATION" in respect of STG / GTG.
 - j. "SPINNING" in respect of HTG.
 - k. "GAS IN" in respect of FGD
 - I. In case of the erection work is under progress, "ERECTION" shall mean completion upto Welding/Bolt Tightening etc. (as applicable).
- 2. Boiler means HRSG or WHRB or any other types of Steam Generator.
- 3. Power Cycle Piping work necessarily consisting of MS, CRH, HRH & HP Bypass inside Main Power House.
- 4. Rotating Machines of Boiler means Mills/FD Fans/PA Fans/ID Fans/APH".
- 5. Works of Renovation & Modernization (R&M)/ Retrofitting/ Overhauling/ Balance work shall only be considered in following cases:
 - a. Specific physical or financial quantity is defined in PQ criteria.
 - b. Categorically specified in PQ criteria.

- 6. Maximum number of consortium partners allowed is 03 numbers i.e. Prime Bidder + Two (02) Consortium Partners.
- 7. For the purpose of evaluation of the PQR, one MW shall be considered equivalent to 3.5 TPH where ever rating of HRSG/ BOILER is mentioned in MW. Similarly, where ever rating of Gas Turbine is mentioned in terms of Frame size, ISO rating of the same in terms of MW shall be considered for evaluation.
- 8. # Boiler Retrofitting work includes Retrofitting / Overhauling/ R&M/ Balance work of Boiler.
- 9. For PQR B-3.1, Exclusive order for supply shall not be considered.
- 10. Value of work is to be updated as per procedure defined in Annexure-A as mentioned below.

Common Explanatory Notes for the PQR:

- 1. Bidder to submit Audited Balance Sheet and Profit and Loss Account for the respective years as indicated against 'C-1' above along with all annexures.
- 2. In case audited Financial statements have not been submitted for all the three years as indicated against 'C-1' above, then the applicable audited statements submitted by the bidders against the requisite three years, will be averaged for three years i.e. total divided by three.
- 3. If financial statements are not required to be audited statutorily, then instead of audited financial statements, financial statements are required to be certified by Chartered Accountant.
- 4. Turnover means Revenue from Operations and excluding other income.
- 5. C-2: NETWORTH: Shall be calculated based on the latest Audited Accounts as furnished for 'C-1' above. Net worth = Paid up share capital + Reserves. (Net worth is required to be evaluated in case of companies)
- 6. C-3: PROFIT: Shall be Net Profit (PBT) earned during any one of the five financial years as in 'C-3' above.
- 7. Completion date for achievement of the technical criteria specified in the Technical' criteria of PQR (as in 'B' above) should be in the last 10 years ending on the 'latest date of Bid Submission' of Tender irrespective of date of the start of work. Completion date shall be reckoned from the "FY quarter of bid submission". (for e.g. Work completed on 01.01.2011 shall be considered even if latest date of bid submission is 20.03.2021).
- 8. 'EXECUTED' means the bidder should have achieved the criteria specified in the Technical criteria of PQR (as in 'B' above) even if the Contract has not been completed or closed.
- 9. Bidder shall essentially meet the Qualifying Requirements i.e., B.1 or (B.2.1 and B.2.2) as above, in the last ten years as on latest date of bid submission.

- 10. Consortium bidding is allowed for Criteria B-2.2, B.3.3 and B.3.4. In case of consortium bidding, following shall be applicable:
 - (i) Prime Bidder shall necessarily meet the PQ criteria "B-1 or B-2.1" Or [(B.3.1) AND (B.3.2)] above.
 - (ii) In case a:
 - (a) bidder is able to meet the PQ Criteria at "B 2.1" but he is not able to meet balance PQ Criteria at B-2.2 mentioned as above, the bidder/s may submit the bid along with consortium partner for meeting the PQ criteria B-2.2 as above. Agency satisfying the PQ criteria B.2.2 shall be termed as "Consortium Partner.
 - (b) Bidder is able to meet the PQ Criteria at B.3.1 AND B.3.2 but he is not able to meet balance PQ Criteria at B.3.3 AND B.3.4 mentioned as above, the bidders may submit the bid along with consortium partner/partners for meeting the PQ criteria at B.3.3 AND B.3.4 above. Agency satisfying the PQ criteria B.3.3 and/or B.3.4 shall be termed as "Consortium Partner/s"
 - (iii) Number of partners including prime bidder shall NOT be more than 03 (three).
 - (iv) Prime bidder shall be responsible for satisfying the financial PQR.
 - (v) Prime bidder shall submit the entire tender along with the credentials, all statutory documents and the documents in support of PQR condition of the Consortium Partner.
 - (vi) All conditions as in Clause 23 of NIT shall also be applicable for consortium bidding.

ANNEXURE-A:

- For QR 'B.3.1' above, actual executed value shall be considered.
- The evaluation currency for this tender shall be INR.
- For QR 'B.3.1' above, Value of work is to be updated with indices for "All India Avg. Consumer Price index for industrial workers" and "Monthly Whole Sale Price Index for All Commodities" with base month as per last month of work execution and indexed up to three (3) months prior to the month of latest due date of bid submission as per following formula-

$$P = R + 0.425 \times R \times (X_N - X_0) + 0.425 \times R \times (Y_N - Y_0)$$

 X_0

 Y_0

Where

P = Updated value of work

R = Value of executed work

X_N = All India Avg. Consumer Price index for industrial workers for three months prior to the month of latest due date of bid submission (e.g. If latest bid submission date is 02-Mar-17, then bid submission month shall be reckoned as March'17 and index for Dec'2016 shall be considered).

 $X_0 = All India Avg.$ Consumer Price index for industrial workers for last month of work execution.

Y_N= Monthly Whole Sale Price Index for All Commodities for three months prior to the month of latest due date of bid submission (e.g. If latest bid submission date is 02-Mar-17, then bid submission month shall be reckoned as March'17 and index for Dec'2016 shall be considered).

Y₀ = Monthly Whole Sale Price Index for All Commodities for last month of work execution.

NOTES:

- 1. Bidder shall submit above pre-qualification criteria format, duly filled-in, specifying respective annexure number against each criterion and furnish relevant document inclusive of work order and work completion certificate etc. in the respective annexures in their offer.
- 2. Credentials submitted by the bidder against "PRE-QUALIFYING CRITERIAS" shall be verified for its authenticity. In case, any credential (s) is/are found unauthentic, offer of the bidder is liable to the rejection. BHEL reserves the right to initiate any further action as per extant guidelines for Suspension of Business Dealings.