



Bharat Heavy Electricals Limited

(A Govt. of India Undertaking)

Material Management, 10th Floor, Plot No.C-20/1A/1, Joy Tower,
Sector-62, Noida, Uttar Pradesh, PIN No: 201301

Phone: 0120-6748541, Fax: 0120-6748550, Email: gaurav.agarwal@bhel.in

CORRIGENDUM - 09 TO NIT NO-69200

Dated 06.12.2022

Subject: Corrigendum-09 to Tender enquiry for Pre-bid Tie up for Supply & Services of 400 kV & 220 kV GIS FOR POWERGRID_LUHRI_NANGE PROJECT.

Project : Powergrid Luhri_Nange
Equipment / Item : SUPPLY & SERVICES OF 400kV & 220kV GIS.
Enquiry No/Date : 61Q2300148 Dated 20-Oct-22
BHEL NIT NO : 69200
Original Tender due date : 28.10.2022

This Corrigendum is issued by BHEL TBG against above mentioned NIT/ enquiry for-

- a) extension of due date of offer submission/opening up to **08.12.2022 and**
- b) Issue of Technical corrigendum rev-02 (enclosed).

All other terms and conditions for this tender enquiry shall remain unchanged.

Bidder to ensure submission of offer on or before due.

Note: Tender ID in CPP Portal is **2022_BHEL_19014_1**.

Thanking you

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Gaurav Agarwal
BHEL TBG, NOIDA

Ref. No. Technical Corrigendum-02

Project: Pre Bid Tie up for,
400kV GIS Substation Package SS01 associated with "Transmission system for evacuation of power from Luhri Stage-I HEP" through Tariff Based Competitive Bidding (TBCB) route prior to RfP bid submission by POWERGRID to BPC.

Date: 02.12.2022

Sl. No.	Document Description of Original Technical Specification	Technical Corrigendum-01
		Remarks, if any
1	Section-1 & Annexure- Technical Amendment to Section 1 REV01	Please refer Annexure- Technical Amendment to Section 1 REV02 in addition to original Section-1 & Annexure- Technical Amendment to Section 1 REV01 Note: The highlighted changes are related to present scope of work and hence, these are to be noted and complied by bidders, however, bidders are requested to go through the complete document for entire understanding.

Note: Amendment/ addendum/ clarification/ corrigendum issued herein shall form part of Technical Specification. All bidders to please note that amendment/addendum/ clarification/ corrigendum issued will supersede the respective clause/ sub-clause of Technical Specification Document to the extent for the clause/ sub-clause or part thereof the amendment is issued.

Clarification No.-V dated 01/12/2022 to Pre bid Queries for Bidding Documents for Pre Bid Tie up for 400kV GIS Substation Package SS01 associated with “Transmission system for evacuation of power from Luhri Stage-I HEP” through Tariff Based Competitive Bidding (TBCB) route prior to RfP bid submission by POWERGRID to BPC. [Spec No: TBCB/Lahuri/Nange /400kV/GIS/SS01/G5]

Annexure- Technical Amendment to Section-1 REV02

S.N	Clause No.	Text as per Bid	Bidder's Queries	Clarification
1	S.No 10 of BPS		We understand that for 420kV GIS, the one line bay shall be terminated in future and GIB shall be bought outside till outer edge of the wall and terminated with extension piece module for future extension. Please confirm.	Confirmed. Bidder may quote as per BPS.
2	S.No 23 of BPS	245kV, 1600A, 50kA for 3 sec Single Phase/Three Phase SF6 GIB outside GIS hall...(Quantity mentioned here is for 3 Phase type) - 250 meter	We would like to inform you that, we shall supply our standard type tested model which comes with single phase GIB only. Hence we understand to quote GIB as follows; = 250 * 3 Phase = 750 meter (Single Phase) Kindly confirm the same.	In Bid Price schedule, measuring unit of 220kV Bus duct is given in meter which shall be read as 3-phase running meter. Payment for 220kV Bus duct shall be released on the basis of 3-phase. In case, 1-phase Bus duct enclosures are provided by the bidder, equivalent 3-phase running meter length shall be considered as Bus duct for payment purpose.
3	Clause 5 of Section Project	5.0 PHYSICAL AND OTHER PARAMETERS	We would like to request you please inform the exact altitude above MSL. We shall check apply Altitude correction factor accordingly if applicable. Please provide.	Altitude below 1000 MSL may be considered.

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S.N	Clause No.	Text as per Bid	Bidder's Queries	Clarification
4	Annexure-III of Section project	Annexure-III : DESCRIPTION OF GIS MODULE	<p>We shall provide our standard type tested product as follows;</p> <p>i. 1-phase (Separate for each phase), SF6 insulated circuit breaker (#) with/without PIR complete with operating mechanism.</p> <p>iv. 1-phase (Separate for each phase), single pole, group operated isolator switches, complete with manual and motor driven operating mechanisms.</p> <p>v. 1-phase (Separate for each phase), single pole, group operated safety grounding switches, complete with manual and motor driven operating mechanisms.</p> <p>vi. 1-phase (Separate for each phase), single pole, high speed fault make grounding switch, complete with manual and motor driven operating mechanisms. (individually pole operated.)</p> <p>Please accept the same.</p>	Bidder may quote as per BPS.

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S.N	Clause No.	Text as per Bid	Bidder's Queries	Clarification
5	Annexure-III of Section project	Annexure-III : DESCRIPTION OF GIS MODULE	We shall provide our standard type tested product as follows;i. 1-phase (Separate for each phase), SF6 insulated circuit breaker complete with operating mechanism. iii. 1-phase (Separate for each phase), group operated isolator switches, complete with manual and motor driven operating mechanisms. iv. 1-phase (Separate for each phase), group operated safety grounding switches, complete with manual and motor driven operating mechanisms.Please accept the same.	Bidder may quote as per bidding Document.
6	Annexure-III of Section project	Annexure-III : DESCRIPTION OF GIS MODULE	We understand that Bus reactor bay module ought to be connected to Spare Single Phase Auxiliary Bus, hence we understand following shall be amended; iv. Two (2) numbers for 3-phase, single pole group operated isolator switches, complete with manual and motor driven operating mechanisms. v. Two (2) numbers for 3-phases, single pole group operated safety	Bidder may quote as per bidding Document.

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S.N	Clause No.	Text as per Bid	Bidder's Queries	Clarification
			<p>grounding switches, complete with manual and motor driven operating mechanisms.</p> <p>vi. Three (3) numbers of Single Phase individually pole operated isolator switches, complete with manual and motor driven operating mechanisms.</p> <p>vii. Three (3) numbers of Single Phase individually pole operated safety grounding switches, complete with manual and motor driven operating mechanisms.</p> <p>viii. Three (3) numbers of Single Phase individually pole operated isolator switches (Phase to phase isolation withstand), complete with manual and motor driven operating mechanisms.</p> <p>Please confirm and amend the Annexure-III.</p>	
7	Annexure-III of Section project	Annexure-III : DESCRIPTION OF GIS MODULE	<p>We would like to highlight that, 420kV GIS ICT bay description is not mentioned in the Annexure - III.</p> <p>Please amend the Annexure- III.</p>	<p>Following description may be considered for ICT bay-</p> <p>SF6 gas insulated metal enclosed ICT bay module, each set comprising of the following:</p>

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S.N	Clause No.	Text as per Bid	Bidder's Queries	Clarification
				<ul style="list-style-type: none"> i. One (1) number 3-phase, SF6 gas insulated circuit breaker, complete with operating mechanism. ii. Three (3) numbers 1-phase, 3-core, multi ratio, current transformers (CTA) on one side of circuit breaker. iii. Three (3) numbers 1-phase, 2-core, multi ratio, current transformers (CTB) on other side of circuit breaker. iv. Three (3) numbers 3-phase, single pole group operated isolator switches, complete with manual and motor driven operating mechanisms. v. Three (3) numbers 3-phases, single pole group operated safety grounding switches, complete with manual and motor driven operating mechanisms. vi. Three (3) numbers single phase, SF6 ducts inside the GIS hall (up to the outer edge of the wall of GIS Hall). vii. Gas monitoring devices, barriers, pressure switches, UHF PD sensors, support structures etc., as required. viii. Local Control cubicle.

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S.N	Clause No.	Text as per Bid	Bidder's Queries	Clarification
8	Annexure-III of Section project	Annexure-III : DESCRIPTION OF GIS MODULE	We understand that ICT bay module ought to be connected to Spare Single Phase Auxiliary Bus, hence we understand following shall be amended; iv. Two (2) numbers for 3-phase, single pole group operated isolator switches, complete with manual and motor driven operating mechanisms. v. Two (2) numbers for 3-phases, single pole group operated safety grounding switches, complete with manual and motor driven operating mechanisms. vi. Three (3) numbers of Single Phase individually pole operated isolator switches, complete with manual and motor driven operating mechanisms. vii. Three (3) numbers of Single Phase individually pole operated safety grounding switches, complete with manual and motor driven operating mechanisms. viii. Three (3) numbers of Single Phase individually pole operated isolator switches (Phase to phase isolation withstand), complete with manual and motor driven	Bidder may quote as per Bidding Document.

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S.N	Clause No.	Text as per Bid	Bidder’s Queries	Clarification
			operating mechanisms. Please confirm and amend the Annexure-III.	
9	Annexure-III of Section project	Annexure-III : DESCRIPTION OF GIS MODULE	765kV GIB is not applicable.	765kV is not applicable for Subject package