

Item	Details required at site	DRG. NO.
400 KV DENSIMETER	1 Sets(1 set = 3 Nos.)	3271003344ED316R0 1 REV 1(PAGE 4) LEGEND
Trip Coil	TRIP COIL 1 Phase A(Tag No.52TC1) - 2 Nos.	3271003344ED316R0 1 REV 1(PAGE 14) CROSS REFERENCE DETAILS
Contactor	CONTACTOR -ANTIPUMPING PHASE A(TAG NO. 94A) - 5 NOS.	3271003344ED316R0 1 REV 1(PAGE 14) CROSS REFERENCE DETAILS

QNAME	DESCRIPTION	SPECIFICATION	MAKE	MODEL	ALTERNATE MAKE	ALTERNATE MODEL	QUANT	PANEL NUMBER
ZCC	CLOSING COIL PHASE A	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS	ALSTOM	HEH4910211023	-	-	1	MC-A
ZTC1	TRIP COIL 1 PHASE A	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS	ALSTOM	HEH4910211023	-	-	1	MC-A
ZTC2	TRIP COIL 2 PHASE A	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS	ALSTOM	HEH4910211023	-	-	1	MC-A
MA	DENSITY MONITOR	DENSIMETER 3NO (P1-ALARM & P2-LOCKOUT)	WKA	233 52 100-7149721 (HRCC160200002)	EQUIVALENT	-	1	MC-A
S	MECHANISM A DOOR SWITCH	DOOR SWITCH NORMALLY CLOSED 2A	SURAJ	DS	EQUIVALENT	-	1	MC-A
	MECHANISM A HEATER	HEATER 60W, 230V AC	APT	MK II A	APT/GRISHCO/SOFIA/EQUIVALENT	MK II A	1	MC-A
	MECHANISM A CUBICLE ILLUMINATION LAMP	25W, 230V AC, INCANDESCENT CANDLE MODEL B22	PHILIPS	25W, 230V AC, TYPE CANDLE	PHILIPS/OSRAM/EQUIVALENT	-	1	MC-A
S	LIMIT SWITCH MECHANISM A	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-A
	SPRING CHARGE MOTOR MECHANISM A	220-250V AC/DC, 700WATT	AGNI	HRCC4100029-2 (S310-220)	GRSCHOPPMUJI/EQUIVALENT	JE49107005-230V AC	1	MC-A
1	AUXILIARY SWITCHES S1 MECHANISM A	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-A
2	AUXILIARY SWITCHES S2 MECHANISM A	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-A
3	AUXILIARY SWITCHES S3 MECHANISM A	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-A
4	AUXILIARY SWITCHES S4 MECHANISM A	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-A
H	MECHANISM A THERMOSTAT	THERMOSTAT 20deg TO 80deg C	GRISHCO	DLX-5	APT/EQUIVALENT	175/30-90/MK II A1	1	MC-A
B1	TERMINAL BLOCK MECHANISM A	TYPE CATM3	ELMEX	CATM3	CONNECTWELL/EQUIVALENT	CST583	45	MC-A
ZCC	CLOSING COIL PHASE B	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS	ALSTOM	HEH4910211023	-	-	1	MC-B
ZTC1	TRIPPING COIL 1 PHASE B	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS	ALSTOM	HEH4910211023	-	-	1	MC-B
ZTC2	TRIPPING COIL 2 PHASE B	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS	ALSTOM	HEH4910211023	-	-	1	MC-B
MB	DENSITY MONITOR	DENSIMETER 3NO (P1-ALARM & P2-LOCKOUT)	WKA	233 52 100-7149721 (HRCC160200002)	EQUIVALENT	-	1	MC-B
S	MECHANISM B DOOR SWITCH	DOOR SWITCH NORMALLY CLOSED 2A	SURAJ	DS	EQUIVALENT	-	1	MC-B
	MECHANISM B HEATER	HEATER 60W, 230V AC	APT	MK II A	APT/GRISHCO/SOFIA/EQUIVALENT	MK II A	1	MC-B
	MECHANISM B CUBICLE ILLUMINATION LAMP	25W, 230V AC, INCANDESCENT CANDLE MODEL B22	PHILIPS	25W, 230V AC, TYPE CANDLE	OSRAM/EQUIVALENT	-	1	MC-B
	LIMIT SWITCH MECHANISM B	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-B
3	SPRING CHARGE MOTOR MECHANISM B	220-250V AC/DC, 700WATT	AGNI	HRCC4100029-2 (S310-220)	GRSCHOPPMUJI/EQUIVALENT	JE49107005-230V AC	1	MC-B
1	AUXILIARY SWITCHES S1 MECHANISM B	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-B
2	AUXILIARY SWITCHES S2 MECHANISM B	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-B
3	AUXILIARY SWITCHES S3 MECHANISM B	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-B
4	AUXILIARY SWITCHES S4 MECHANISM B	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-B
H	MECHANISM B THERMOSTAT	THERMOSTAT 20deg TO 80deg C	GRISHCO	DLX-5	APT/EQUIVALENT	175/30-90/MK II A1	1	MC-B
B1	TERMINAL BLOCK MECHANISM B	TYPE CATM3	ELMEX	CATM3	CONNECTWELL/EQUIVALENT	CST583	45	MC-B
ZCC	CLOSING COIL PHASE C	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS	ALSTOM	HEH4910211023	-	-	1	MC-C
ZTC1	TRIPPING COIL 1 PHASE C	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS	ALSTOM	HEH4910211023	-	-	1	MC-C
ZTC2	TRIPPING COIL 2 PHASE C	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS	ALSTOM	HEH4910211023	-	-	1	MC-C
MC	DENSITY MONITOR	DENSIMETER 3NO (P1-ALARM & P2-LOCKOUT)	WKA	233 52 100-7149721 (HRCC160200002)	EQUIVALENT	-	1	MC-C
S	MECHANISM C DOOR SWITCH	DOOR SWITCH NORMALLY CLOSED 2A	SURAJ	DS	EQUIVALENT	-	1	MC-C
	MECHANISM C HEATER	HEATER 60W, 230V AC	APT	MK II A	APT/GRISHCO/SOFIA/EQUIVALENT	MK II A	1	MC-C
	MECHANISM C CUBICLE ILLUMINATION LAMP	25W, 230V AC, INCANDESCENT CANDLE MODEL B22	PHILIPS	25W, 230V AC, TYPE CANDLE	OSRAM/EQUIVALENT	-	1	MC-C
S	LIMIT SWITCH MECHANISM C	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-C
	SPRING CHARGE MOTOR MECHANISM C	220-250V AC/DC, 700WATT	AGNI	HRCC4100029-2 (S310-220)	GRSCHOPPMUJI/EQUIVALENT	JE49107005-230V AC	1	MC-C
1	AUXILIARY SWITCHES S1 MECHANISM C	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-C
2	AUXILIARY SWITCHES S2 MECHANISM C	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-C
3	AUXILIARY SWITCHES S3 MECHANISM C	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-C
4	AUXILIARY SWITCHES S4 MECHANISM C	AUX SWITCH CONTACTS 4NO + 4NC, 15AMP	ALSTOM	JE4910510001	-	-	1	MC-C
H	MECHANISM C THERMOSTAT	THERMOSTAT 20deg TO 80deg C	GRISHCO	DLX-5	APT/EQUIVALENT	175/30-90/MK II A1	1	MC-C
B1	TERMINAL BLOCK MECHANISM C	TYPE CATM3	ELMEX	CATM3	CONNECTWELL/EQUIVALENT	CST583	45	MC-C
B2	TERMINAL BLOCK MECHANISM C	TYPE CATM3	ELMEX	CATM3	CONNECTWELL/EQUIVALENT	CST583	45	MC-C

LEGEND

ALSTOM

T&D
Chennai India

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REV	VER	PAGE
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Highlited in Dwg.

SPECIFICATION	LOCAL-OFF-REMOTE NON LOCKABLE SWITCH, 25 AMP, POLE:5							
MAKE	KAYCEE							
MODEL	5MDS980							
TAG	DESCRIPTION	PANEL REF	HANDLE ROLE	POLE	POLE	POLE	POLE	POLE
43A	LOCAL / OFF / REMOTE SWITCH, POLE:SL+SR	CC	SHT. 5/4G	SHT. 6/3H	SHT. 7/3G	SHT. 9/3D	SHT. 5/1F	
SPECIFICATION	BREAKER COIL 345W, 220V DC, 4W CONTINUOUS							
MAKE	ALSTOM							
MODEL	HEH4910211023							
TAG	DESCRIPTION	PANEL REF	COIL					
52CC	CLOSING COIL PHASE A	MC-A	SHT. 5/2E					
52TC1	TRIP COIL 1 PHASE A	MC-A	SHT. 6/2F					
52TC2	TRIP COIL 2 PHASE A	MC-A	SHT. 7/2E					
52CC	CLOSING COIL PHASE B	MC-B	SHT. 5/2E					
52TC1	TRIPPING COIL 1 PHASE B	MC-B	SHT. 6/2E					
52TC2	TRIPPING COIL 2 PHASE B	MC-B	SHT. 7/2D					
52CC	CLOSING COIL PHASE C	MC-C	SHT. 5/2D					
52TC1	TRIPPING COIL 1 PHASE C	MC-C	SHT. 6/2D					
52TC2	TRIPPING COIL 2 PHASE C	MC-C	SHT. 7/2C					
SPECIFICATION	AUX CONTACTOR 2NO+2NC 220V DC							
MAKE	SIEMENS							
MODEL	3RH21 22-1BM40							
TAG	DESCRIPTION	PANEL REF	COIL	NO	NC	NC	NO	
94A	CONTACTOR - ANTI-PUMPING PHASE A	CC	SHT. 5/1D	SHT. 5/2D	SHT. 5/3E	SHT. 5/3F	SPARE	
94B	CONTACTOR - ANTI-PUMPING PHASE B	CC	SHT. 5/1C	SHT. 5/2C	SHT. 5/3E	SHT. 5/3F	SPARE	
94C	CONTACTOR - ANTI-PUMPING PHASE C	CC	SHT. 5/1C	SHT. 5/2C	SHT. 5/3D	SHT. 5/3F	SPARE	

CROSS REFERENCE
DETAILS

ALSTOM

T&D
Chennai India

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PROJECT:	NTPC North Karanpura
ITEM:	Supply of 400kV Circuit Breakers Spares
SUBJECT:	BID SPECIFIC ATC

1.	For any technical clarification , please contact Mr. Akhilesh Kumar, Dy. Manager (TBEM). Contact No. 0120-06748528; e-mail: akhileshk@bhel.in
2.	For any commercial clarification , please contact Mr. Sandeep, Dy. Manager (TBMM). Contact No. 0120-6748540; e-mail: kumar.sandeep@bhel.in
3.	Terms of Payment:
(Supply & Services)	As per GTC of GeM (Payment due date shall be 60 Days) Supply Payment: a) 100% of payment within 60 days from the date of receipt of complete invoice along with documents in 3 sets (original + 2 copies) as follows: <ul style="list-style-type: none"> • LR / GR duly endorsed by BHEL Site Official. • Material Receipt Certificate issued by BHEL Site Official. • GST Compliant Tax Invoice • Packing List (Case-wise) • Copy of Transit Insurance Certificate from underwriters. • Material Inspection Clearance Certificate (MICC) issued by BHEL Quality Management • Guarantee Certificate • Copy of Performance Bank Guarantee (PBG) • Certificate of acceptance of Type Test Reports issued by BHEL Engineering Management wherever specifically mentioned in the Purchase Order <p>Vendor has to submit the duly signed check-list along with Bill.</p>
4.	Terms of Delivery:
As per GeM. However, unloading at site is in the scope of BHEL. Bidders to quote price accordingly.	
5.	Delivery Time:
22 Weeks (154 days) from the date of PO by BHEL as per Activity schedule (Annexure-A). Early Delivery is acceptable. Note: In case, BHEL's delivery requirement is not met by vendor(s), then a chance may be given to all such vendors to review their quoted delivery schedule in line with BHEL's delivery requirement. However, if vendor fails to meet the requisite delivery plan, then BHEL reserves the right not to consider the offer of such vendor(s).	
6.	Prices:
The quoted prices shall be on Firm basis including packing and forwarding charges . Price to be quoted as inclusive of GST. i.e. Ex-Works + F&I + GST.	
7.	Liquidated Damage of delayed Delivery:
As per GeM terms and conditions.	
8.	Item & BOQ:
BOQ: As per Annexure	
9.	Technical Specification:
As per approved drawings of PO No. 145P149 Dated: 02.11.2015	
10.	Pre-Qualification Requirement:
NA	
11.	MQP (Manufacturing Quality Plan):
MQP format is indicative only, however inspection shall be carried out as per approved Quality Plan. Supplier has to submit Quality Plan to BHEL for Customer approval.	

PROJECT:	NTPC North Karanpura
ITEM:	Supply of 400kV Circuit Breakers Spares
SUBJECT:	BID SPECIFIC ATC

12. Inspection:	Inspection shall be carried out as per customer as per approved Quality Plan.
13. Destination / Delivery Location:	BHEL C/O GENERAL MANAGER, NTPC North Karanpura, Post Office - Tandwa, Dist.-Chatra, Jharkhand, PIN. 825321, GSTN No.: 20AAACN0255D2ZB, Site in charge: Prasun Bhattacharjee- Sr Manager- 8790040005- prasun@bhel.in
14. Bill to Address:	Bharat Heavy Electricals Limited-TBG, 10th Floor, Plot No.C-20/1A/1, Joy Tower, Sector-62, Noida-201301, U.P. GSTN-09AAACB4146P2ZC

15. Guarantee Clause (Defect Liability Period):	The equipment / material supplied and services rendered (if applicable) shall be guaranteed to be free from all defects and faults in design & engineering, material, workmanship & manufacture and in full conformity with the Purchase Order / Contract, Technical Specifications & approved drawings / data sheets, if any, for 18 months from the date of last delivery.
16. Performance Bank Guarantee:	NA
17.	Bidders to ensure that Third party / customer issued certificates being submitted as proof of PQR qualification should have verifiable details of document / certificate issuing authority such as name & designation of Issuing Authority and its organization contact number and e-mail Id etc. In case the same found not available, Purchaser has right to reject such document from evaluation.
18. Acceptance of Offer:	NA
19. Deviations:	a) Technical Deviation: No Technical Deviation is envisaged. b) Commercial Deviation: No Commercial Deviation is envisaged.
20.	All other terms & conditions shall be as per GTC of GeM

Note: This Purchase is against single tender being OEM items. The offer shall be accepted from M/s GE T&D only.

Signature & Seal of supplier
Date

PROJECT:	NTPC North Karanpura
ITEM:	Supply of 400kV Circuit Breakers Spares
SUBJECT:	BID SPECIFIC ATC

ACTIVITY SCHEDULE

Annexure-A

SL. NO.	ACTIVITY	ACTIVITY TIME IN WEEKS
1.	Submission of documents necessary for getting manufacturing clearance Drawings, data sheets (In scope of vendor)	03
2.	Review and Approval of documents and issue of manufacturing clearance (In scope of BHEL)	03
3.	Manufacturing Time (In scope of vendor)	12
4.	Inspection (In scope of BHEL)	02
5.	Issue of MICC (In scope of BHEL)	01
6.	Dispatch (In scope of vendor)	01
7.		22 Weeks

Note – 1 - Supplier to ensure every revised submission incorporating comments within 02 weeks from the date of comments by BHEL.

1. Inspection call to be issued 01 weeks in advance.
2. Supplier must ensure the completeness and correctness of the requisite documents before submission for approval. Delay in approval on account of incomplete / inadequate information shall be the responsibility of supplier.
3. Inspection call should be given in the prescribed format only. Inspection calls not in the prescribed format shall not be entertained.

Signature & Seal of Supplier
Date

PROJECT:	NTPC North Karanpura
ITEM:	Supply of 400kV Circuit Breakers Spares
SUBJECT:	BID SPECIFIC ATC

Item/Package Name :	Supply of Circuit Breakers Spares
Enquiry No.:	
Project:	NTPC North Karanpura
Type of project	
Percentage of Local Content	(Bidder to enter the applicable % of local content)

Format of Self certification regarding Local Content in line with PPP-MII order, 2017 & its revision dated 04.06.2020.

Date:.....

I _____ S/o, D/o, W/o, _____ Resident of _____ hereby solemnly affirm and declare as under:

That I will agree to abide by the terms and conditions of the Public Procurement (Preference to Make in India) Order, 2017 (*hereinafter PPP-MII order*) of Government of India issued vide Notification No: P-45021/2/2017-BE-II dated 15/06/2017, its revision dated 04/06/2020 and any subsequent modifications/Amendments, if any.

That the information furnished hereinafter is correct to the best of my knowledge and belief and I undertake to produce relevant records before the procuring entity/BHEL or any other Government authority for the purpose of assessing the local content of goods/services/works supplied by me for **(Enter the name of the Equipment/Item for Project).**

That the local content for all inputs which constitute the said goods/services/works has been verified by me and I am responsible for the correctness of the claims made therein.

That the goods/services/works supplied by me for **(Enter the name of the Equipment/Item for Project)** **contains.....% (mention the Local content in %age)** Local Content.

That the value addition for the purpose of meeting the 'Minimum Local Content' has been made by me at **(Enter the details of the location(s) at which value addition is made).**

That in the event of the local content of the goods/services/works mentioned herein is found to be incorrect and not meeting the prescribed supplier class categorization criteria as per said order, based on the assessment of procuring agency (i.e.)/BHEL/Government Authorities for the purpose of assessing the local content, action shall be taken against me in line with the PPP-MII order and provisions of the Integrity pact/ Bidding Documents.

I agree to maintain the following information in the Company's record for a period of 8 years and shall make this available for verification to any statutory authority.

- i. Name and details of the Local Supplier
(Registered Office, Manufacturing unit location, nature of legal entity)
- ii. Date on which this certificate is issued
- iii.

PROJECT:	NTPC North Karanpura
ITEM:	Supply of 400kV Circuit Breakers Spares
SUBJECT:	BID SPECIFIC ATC

Annexure-V

- iv. Goods/services/works for which the certificate is produced
- v. Procuring entity to whom the certificate is furnished
- v. Percentage of local content claimed and whether it meets the Minimum Local Content prescribed
- vi. Name and contact details of the unit of the Local Supplier (s)
- vii. Sale Price of the product
- viii. Ex-Factory Price of the product
- ix. Freight, insurance and handling
- x. Total Bill of Material
- xi List and total cost value of input used to manufacture the Goods/to provide services/in construction of works
- xii. List and total cost of input which are domestically sourced. Value addition certificates from suppliers, if the input is not in-house to be attached
- xiii. List and cost of inputs which are imported, directly or indirectly

For and on behalf of..... (Name of firm/entity)

Authorized signatory (To be duly authorized by the Board of Directors)

<Insert Name, Designation and Contact No.>

PROJECT:	NTPC North Karanpura
ITEM:	Supply of 400kV Circuit Breakers Spares
SUBJECT:	BID SPECIFIC ATC

SCHEDULE OF COMMERCIAL DEVIATION

The following are the deviations/ variations exception from the General Terms and Conditions:

SL. NO.	CLAUSE NO. OF TERMS AND CONDITIONS	STATEMENT OF DEVIATION
	NIL DEVIATION	NIL DEVIATION

In case, this schedule is not submitted, it will be presumed that the equipment /material to be supplied under this contract is deemed to be in compliance with the General Terms and Conditions.

If there is NIL deviation, even then the format to be filled as NIL DEVIATION.

Note : 1. Continuation Sheets of like size and format may be used as per the Bidder's Requirement and shall be annexed to this schedule.

2. Deviation mentioned in this schedule shall only be considered.

**This Format is to be submitted in original duly signed by bidder.
Reproduction of the same in any sort is not acceptable.**

Place:	õ õ õ õ õ õ õ	Signature of the authorized representative of
Date :	õ õ õ õ õ õ õ .	Bidder's name
		:õ õ õ õ õ õ õ õ õ õ õ õ õ õ
		Designation:õ õ õ õ õ õ õ õ õ õ õ õ õ õ
		..
		Company
		Seal:õ õ õ õ õ õ õ õ õ õ õ õ õ

PROJECT:	NTPC North Karanpura
ITEM:	Supply of 400kV Circuit Breakers Spares
SUBJECT:	BID SPECIFIC ATC

UNPRICED BID

Item No.	Item Description	Item Quantity	Unit of Measure	Unit Price (Inclusive of F&I & GST)	GST % Applicable
1	SUPPLY - CIRCUIT BREAKER : 400kV, Densimeter- [COMBINED ONE SUPPLIED (HRCC160200002 - SF6 GAS DENSITY SWITCH 0.75MPA +HRCC977093003_DENSIMETER -1 TO 9 BAR BACK MOUNTING)]	03	SET	Mention "Quoted" as	Mention GST %
2	SUPPLY- CIRCUIT BREAKER : 400kV, Trip Coil Assembly. [TRIP COILS (BREAKER COIL 345W, 220V DC, 4W CONTINUOUS)]	02	NO	Mention "Quoted" as	Mention GST %
3	SUPPLY- CIRCUIT BREAKER: 400kV, Contactor, ANTIPUMPING. [CONTACTOR -ANTI PUMPING (2NO+2NC 220V DC)]	05	NO	Mention "Quoted" as	Mention GST %

Signature & Seal of Supplier
Date: