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BHARAT HEAVY ELECTRICALS LIMITED



TENDER SPECIFICATION
FOR

MARINE-CUM-STORAGE-CUM-ERECTION INSURANCE

400/220KV NEEMUCH NEW SUBSTATION AND EXTN OF 400KV

MANDSAUR & CHITTORGARH SS in MADHYA PRADESH & RAJASTHAN

For

POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED (100% SUBSIDIARY OF
POWERGRID)

TENDER NO. BHEL: CO: FIN: INS: NTL: 400/220 kV Neemuch/ Mandsaur/ Chittorgarh

VOLUME – I

TECHNO-COMMERCIAL BID

BHARAT HEAVY ELECTRICALS LTD.

CORPORATE FINANCE

BHEL HOUSE, SIRI FORT

NEW DELHI – 110 049

DATE OF SUBMITTING OF BIDS: On or before 1600 hrs on 30.01.2023

DATE OF OPENING TECHNO-COMMERCIAL BIDS: 1630 hrs on 30.01.2023

PLACE OF BID OPENING: 5th Floor, BHEL HOUSE, SIRI FORT, NEW DELHI



BHARAT HEAVY ELECTRICALS LTD.

(A Government of India Undertaking)

CORPORATE FINANCE DEPARTMENT

BHEL HOUSE, SIRI FORT

NEW DELHI – 110 049.

TENDER NO. BHEL: CO: FIN: INS: NTL: 400/220 kV Neemuch/ Mandsaur/ Chittorgarh Sub Stations

IMPORTANT NOTE

RECEIVER OF THIS TENDER DOCUMENT IS ADVISED TO CHECK AND ENSURE COMPLETION OF ALL PAGES OF TENDER DOCUMENT AND REPORT TO THE ISSUING AUTHORITY ANY DISCREPANCY IN TIME FOR CORRECTIVE ACTION, IF ANY BEFORE 21.01.2023. THE TENDERER IS REQUIRED TO SPECIFICALLY MENTION IN A DEVIATION STATEMENT THE CLAUSES OF THE TENDER THAT ARE NOT ACCEPTABLE IN THEIR PRESENT FORM AND ALSO THE DEVIATION SOUGHT, IF ANY. IN CASE THERE ARE NO DEVIATIONS, THE TENDERER SHALL CLEARLY CERTIFY THE SAME IN THE NO-DEVIATION STATEMENT AS WELL AS THE FORWARDING LETTER. IT IS EXPECTED THAT THE DEVIATIONS (IF ANY) SHALL BE BARE MINIMUM AND OFFERS WITH UNACCEPTABLE DEVIATIONS ARE LIABLE TO BE REJECTED WITHOUT ANY FURTHER DISCUSSIONS.

Note: 1) All the queries on the tender may please be sent to us latest by 21.01.2023. through email to kamlesh.agarwal@bhel.in and neeraj@bhel.in so as to avoid any delays at the later date. Clarifications/amendments, if any, shall be sent to the Underwriters.

(2) The Insurance Co(s). with whom litigation / arbitration are going on or with whom BHEL is having unresolved disputes for settlement of genuine claims may not be considered for the tender.

(3) In case bids are received from more than one branch of an Insurance Company, only one bid shall be considered for opening. In this regard, the choice of bid to be opened shall be at the sole discretion of BHEL.



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BHARAT HEAVY ELECTRICALS LTD.

(A Government of India Undertaking)

CORPORATE FINANCE DEPARTMENT

BHEL HOUSE, SIRI FORT,

NEW DELHI – 110 049.

By Courier / Hand / Regd. Post

LETTER INVITING TENDER

REF. BHEL: CO: FIN: INS: **NTL: 400/220 kV Neemuch/ Mandsaur/ Chittorgarh Sub Stations**

Dated: 12.01.2023

M/s _____

Sub: **NTL: 400/220 kV Neemuch/ Mandsaur/ Chittorgarh**

Dear Sirs,

Sealed tenders are invited in two-bid system from General Insurance Companies having business experience of at least 5 years 'as on **31.12.2022** where Part-I shall form the **Techno-Commercial Bid** and Part-II shall form the **Price Bid**. A set of tender documents is enclosed for submission of your most competitive offer as well as for the information asked for in the tender specifications, to the undersigned, **latest by 14.00 hrs on 30.01.2023. Techno-Commercial Bid shall be opened at 14.30 hrs on the same day in presence of tenderers** who may like to be present at that time. The date of opening of the Price Bid will be intimated subsequently. Bidders may be called for Techno-Commercial discussions, if so required, before price-bid opening. They are requested to keep in touch with BHEL for knowing the date and time of Price Bid opening. **However, in case there is no deviation, Price Bid is likely to be opened immediately after opening of the Techno-Commercial bid. Otherwise, the date of opening of Price Bid will be intimated subsequently.**

All the queries on the tender may please be sent to us latest by 21.01.2023 through email to kamlesh.agarwal@bhel.in and neeraj@bhel.in so as to avoid any delays at the later date. Clarifications/amendments, if any, shall be sent to the Underwriters.



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BHEL reserves the right to accept or reject any tender including lowest one, in part or full, without assigning any reason whatsoever. We also reserve the right to choose the Co-Insurer(s) and percentage sharing.

The bidders are also to note the following:

- a) The rates should be quoted net of the discounts and exclusive of Goods and Services Tax (GST). And Inclusive of GST quote on GeM portal.
- b) No subsequent increase in premium rates will be allowed under any circumstances.
- c) Secrecy of BHEL information/documents to be ensured at all times.
- d) Guidelines issued by IRDA/TAC time to time with regard to Insurer's responsibility & liability towards insured shall be automatically applicable to this Insurance contract to the extent they improve upon the stipulation of this tender from BHEL's view.
- e) Unsolicited Price bid shall not be entertained.
- f) In case two provisions to the tender are considered to be contradictory, the same shall be pointed out as a part of Techno-Commercial bid. BHEL's decision in this respect will be final.
- g) The offer of the Bidder shall have to be kept valid for a period of 3 (three) months from the date of opening of Techno-Commercial Bid.
- h) **The MCE cover shall start from the date of despatch of first consignment or date of first instalment premium payment whichever is later. The approximate date of likely commencement of despatch is detailed elsewhere in the enquiry.**
The final date of cover shall accordingly vary and provision for extensions will be available in the policy.

The tender should be submitted through Govt. e-Marketplace (GeM).

Kindly note that in case you are not interested to submitting the offer for any reasons, you may please send a regret letter indicating reasons for the same immediately not later than the due date. Clarifications if any, on the tender shall be sought by the bidders on or before 31.01.2023.

For the sake of understanding, it is clarified that the contents of the Letter inviting Tender is part of Tender terms and conditions.

Thanking you,

Yours Sincerely
for & on behalf of BHEL

AGM (Finance)

Encl: One set of documents



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1.1 CLIMATIC CONDITION

The equipment and materials shall be suitable for satisfactory continuous operation under the following climatic conditions:

1	Location in the state of	Madhya Pradesh/Rajasthan
2	Maximum ambient air temperature (°C)	50°C/50°C
3	Minimum temperature in shade (°C)	0°C/0°C
4	Maximum relative humidity	82%/70%
5	Average daily ambient air temperature (°C)	32° C/32° C
6	ISOCERANIC Level (days/year) (Average number of thunder storm days)	7/7
7	Average rainfall(mm)	797 mm/782mm
8	Wind Zone as per IS 802(Part-I)-1995	47 m/s
9	Max. Altitudes above mean sea level (meters)	<1000M/<1000M
10	Seismic level (Horizontal acceleration) (g)	As per applicable zone

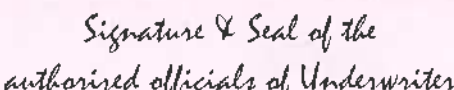
2.0 SCOPE

2.1 Scope of this specification cover as under:

The broad scope for the substations as communicated by Bid Process Co-ordinator (BPC) is as following:

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PROJECT INFORMATION

1.0 Salient features of the Project site:

SL. No.	Particulars	Details
1	Customer	POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED (100% SUBSIDIARY OF POWERGRID) B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110016, India
2	Project Details	Substation Package SS01 for (i) 400/220kV AIS Neemuch New S/S including 400kV class Transformer & Bus Reactor, (ii) Extension of 400kV Chittorgarh S/S and (iii) Extension of 400kV Mandsaur S/S associated with Transmission system for evacuation of power from Neemuch REZ through Tariff Based Competitive Bidding (TBCB)
3.1	Location for Neemuch S/s	a) Place: Neemuch b) Dist.: Neemuch c) State: Madhya Pradesh
3.2	Location for Chittorgarh S/s	a) Place: Chittorgarh b) Dist.: Chittorgarh c) State: Rajasthan
3.3	Location for Mandsaur S/s	a) Place: Mandsaur b) Dist.: Mandsaur c) State: Madhya Pradesh
4	Nearest Road Head	--
5.1	Nearest Rail Head for Neemuch S/s	Neemuch
5.2	Nearest Rail Head for Mandsaur S/s	Neemuch
5.3	Nearest Rail Head for Chittorgarh S/s	Chittorgarh


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**A) Establishment of 765/400kV, 2x1500 MVA Substation at Neemuch S/s.
400 kV:**

- ICTs: 2x500MVA, 400/220/33kV, 500 MVA, 3-Phase Autotransformers along with all fittings & accessories
- ICT bays: 2 nos.
- Line bays: 4 nos.
- Bus reactor: 1x125MVAR, 420kV, 3-Phase Bus Reactor along with all fittings & accessories
- Bus reactor bay: 1nos.
- Tie Bays: 4 nos
- Space for line with switchable reactor bays (future): 6 nos.
- Space for ICT bays (future): 2 nos.
- Space for Bus Reactor Bay: 1 nos
- Space for Future Tie Bays: 4 nos
- **220 kV:**
- ICT bays: 2 nos.
- Line bays: 2 nos.
- Transfer Bus Coupler Bay: 1 nos
- Bus Coupler Bay: 1 nos
- All associate tie bays
- Space for line bays (future): 5 nos.
- Space for ICT bays (future): 2 nos.

B) Extension of 400kV Chittorgarh S/S:

□ Circuit Breakers, Isolators, Current Transformers, Capacitive Voltage Transformers, Wave Trap, Bus Post Insulators & Surge Arrester

C) Extension of 400kV Mandsaur S/S

□ Circuit Breakers, Isolators, Current Transformers, Capacitive Voltage Transformers, Wave Trap, Bus Post Insulators & Surge Arrester.

2.2 The detailed scope of work for 400/220 kV Neemuch & Extension of 400 kV Mandsaur S/s in Madhya Pradesh & Extension of 400 kV Chittorgarh S/s in Rajasthan is brought out in subsequent clauses of this section: -

2.2.1 400/220 kV Neemuch (New) substation.

2.2.1.1 (A) Design, engineering, manufacture, testing at manufacture's work, supply including transportation & insurance, unloading, storage, erection, testing and commissioning of following equipment and items complete in all respect:

a) 400/220/33kV, 500 MVA, 3-Phase Autotransformers along with all fittings & accessories & Digital RTCC panel with 2 no. of relays for 400/220kV Transformers.

b) 125MVAR, 420kV, 3-Phase Bus Reactor along with all fittings & accessories

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c) LT Transformer for Tertiary Loading of 1 No of 400/220/33kV Auto Transformer & LT Transformer for DISCOM/SEB supply

d) 400kV / 220kV / 72.5kV / 33kV CLASS EQUIPMENTS (As per BPS): Circuit Breakers, Isolators, Current Transformers, Capacitive Voltage Transformers, Wave Trap, Bus Post Insulators & Surge Arrester

e) Control Switching Device (As Per BPS): Complete Control, Relay and Protection system for bays under present scope as per Section-Control and Relay Panels including control, monitoring and protection of LT Transformer connected to tertiary of Autotransformer.

f) Complete Substation Automation System based on IEC-61850 as per Section Substation Automation (including hardware and software) along with associated equipment. Further the contractor shall also supply necessary BCUs for control and monitoring of substation auxiliary system.

The necessary interface equipment (Router, Firewall, Ethernet Switches etc.) and integration work for transferring data to RLDC (RSCC)/NLDC/National Transmission Asset Management Centre (NTAMC) at Manesar through optical fiber based SDH communication link is also under present scope. However, no work is envisaged at remote end (RLDC/NLDC/NTAMC/RTAMC etc) in the present scope.

Integration of Digital RTCC relays for 400/220kV Transformers [being supplied under scope of this package] with substation automation system is also included under present scope.

g) FIRE PROTECTION SYSTEM: Pumping arrangement inside the Pump House, Hydrant system outside Pump House, complete piping, fittings & accessories, etc. as per Technical Specification.

HVWS & Hydrant system for Autotransformers and Reactors (including Employer supplied Transformer & Reactors specified above for the subject station)

Conventional type Smoke detection, Fire alarm & Annunciation System and Fire Extinguishers for Switchyard panel Rooms and Control Room Building.

i) AIR CONDITIONING SYSTEM: For Control Room Building & For Switchyard Panel Room

j) DG SET along with AMF Panel

k) LT SWITCHGEAR: AC/DC system shall be provided as per the specified present scope of work, including future provisions, and in line with the LT SLD enclosed at Annexure-I.

Further, following shall also be noted:

(i) Minimum current rating of bus bar, incomer and bus coupler ACB of Main Switch board shall be 1000A. Associated relays, meters etc. shall be co-ordinated accordingly.

(ii) Minimum current ratings of bus bar, incomer and bus coupler MCCB of MLDB shall be 400A. Associated relays, meters etc. shall be co-ordinated accordingly.

(iii) Minimum current ratings of DG set incomer (ACB), MSB incomers (MCCB) and bus coupler (MCCB) of ACDB shall be 400A. Associated relays, meters etc. shall be coordinated accordingly.

LT Switchgear shall comprise of following panels:

- 415V Main Switchboard : 1 Set
- 415V AC Distribution Board (ACDB) : 1 Set
- 415V MLDB (along with 2 nos. 100 kVA Lighting transformer) : 1 Set
- 415V Emergency LDB(along with 1 no. 25kVA lighting transformer) : 1 Set
- 220V DCDB : 2 Sets
- 48V DCDB : 2 Sets

l) BATTERY AND CHARGER: The capacity of Battery & Battery charger shall be worked out by contractor for complete substation scope including future bays and shall be submitted for Employer's approval. However, capacity of battery & Battery charges should not be less than that as specified below


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- 220V VRLA BATTERY : 700 AH
- 48V VRLA BATTERY : 750 AH
- 220 V BATTREY CHARGER: 120 A
- 48V BATTERY CHARGER 120 A

m) CABLES: 1.1kV grade Power & Control cables (and special cables, if any) along with complete accessories including cabling works for Employer supplied equipment specified above for subject station. Methodology for supply, installation & sizing of 1.1kV Power & Control cables shall be as per Annexure-IV.

n) VISUAL MONITORING SYSTEM AS PER BPS

o) ILLUMINATION SYSTEM: LED based Indoor and Outdoor Illumination & Outdoor Receptacle (As per BPS)

p) ERECTION HARDWARE: Conductor(s), Al tube, bus-bar materials, cable trays & covers, Bay MB, spacers, clamps & connectors, junction box, earthwire, earthing material risers, auxiliary earthmat (excluding main earth mat), buried cable trenches/pipes for equipment & lighting, cable supporting angles/channels, insulating mats, cable sealing arrangement, insulator guy arrangement, all accessories etc. as required

q) INSULATOR STRINGS AND ASSOCIATED HARDWARE: Insulator strings and associated hardware fittings under present scope shall be provided by the contractor as per Bid Price Schedule (BPS).

r) Main Earth mat : As per BPS: Main Earth mat shall be provided under present scope of work. All the equipment, LT station, FFPH, DG Set, Control room area, cable trenches, auxiliary earthmat for isolators etc. shall be earthed by connecting them to the main.

s) LIGHTNING PROTECTION (DSLPP): The lightning protection (DSLPP) for complete switchyard is to be provided by the contractor. The contractor shall design the lightning protection by utilizing the structures being provided under present scope. In case, additional structures (Lightning Masts) are required to meet the lightning protection, the contractor shall provide the same without any additional cost to POWERGRID. The cost for provision of lightning masts, including associated earthing materials, hardware etc. shall deemed to be included under the respective switchyard bay structures. The civil works shall be payable as per relevant item of BPS.

t) COMMUNICATION EQUIPMENT: (i) PLCC equipment including Analog protection coupler, Digital Protection Coupler (suitable for interfacing with E1 port of SDH equipment), FODP on gantry, signal converters (if required), communication cables, associated power cables etc.

for both ends of following transmission lines

- 1. Neemuch - Chittorgarh 400kV D/C Line 2. Neemuch - Mandsaur 400kV D/C Line

(ii) Tele-Communication Equipment:

The broad Scope of the procurement of FO based Communication Equipment shall include planning, designing, engineering, supply, transportation, insurance, delivery at site, unloading handling, storage, installation, termination, testing, training and demonstration for acceptance, commissioning and documentation for following

- SDH Equipment along with suitable interfaces and line cards.
- All cabling, wiring, Digital Distribution frame patch facilities and interconnection to the supplied equipment at the defined interfaces,
- System integration of all supplied subsystem
- Integration with the existing communication system based on SDH and PDH of employer
- Integration of supplied subsystem with SCADA system, PLCC equipment, PABX of RLDC/SLDC, VOIP (SIP compliant) for voice.
- Fibre Optic Approach Cable (FOAC) along with duct and Fibre Optic Distribution Panel (FODP)
- Integration of new Communication equipment in the existing regional NMS. All required support to existing NMS vendor for integration of new Communication equipment.

(iii) Phasor Measuring Unit

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The broad scope of the procurement of PMU shall include Planning, designing, engineering, supply, transportation, insurance, delivery at site, unloading handling, storage, installation, termination, testing and demonstration for acceptance, commissioning and documentation for PMU as per BPS and these PMU shall support IEEE C 37.118 protocols. These PMUs shall be integrated with Phasor data Concentrator (PDC) at RLDC/SLDC for the subject project

B) MANDATORY SPARES: Design, engineering, manufacture, testing and supply including transportation & insurance, storage of mandatory spares at site as per BPS. The Break-up of Mandatory Spares shall be as per Annexure-III.

2.2.1.2: CIVIL WORKS & SUPPORT STRUCTURE Design, engineering, manufacture, testing and supply including transportation & insurance, storage of mandatory spares at site as per BPS.

A) CIVIL WORKS: BASED ON POWERGRID SUPPLIED DRAWINGS

a. Construction of main entrance gate as per tender drawing.

b. Construction of Security hut as per tender drawings: The architectural drawings pertaining to Security hut is attached as a part of tender drawings. The corresponding structural drawings shall be issued during detailed engineering to the contractor.

(c) Road: Road shall be constructed as per tender drawing. However, Road layout shall be prepared by contractor and submitted to POWERGRID for approval.

Approach road, if any required for connecting the S/S to the main road shall be considered included under the scope of work & BPS item for Road works shall be applicable.

(d) Cable Trenches: Cable trenches including cable trenches in Reactor/Transformer area along with covers including road/rail crossing, sump pits, culverts etc. shall be constructed as per tender drawings. However, Cable trench layout including invert levels shall be prepared by contractor for approval of POWERGRID based on the cable trench sections available in Tender drawings. Mode of measurement of this item is in RM as per BOQ. All works such as Excavation, PCC, RCC, Reinforcement, Misc. Structural steel, cable trench crossings (using RCC Hume Pipe (NP-3)), sumps etc. required as per technical specification and drawings for successful completion of the works are deemed to be included in quoted rates.

(e) Drains: Storm water Drain layout including peripheral drains if any shall be prepared by contractor based on the drain sections available in Tender drawings and to be submitted for approval of POWERGRID.

Diversion of existing Nallah/ Surface runoff, if required, the design & drawing of drains shall be prepared by contractor along with the drain layout and same shall be submitted to POWERGRID for approval. Payment shall be made under respective items of BPS.

(f) Switchyard fencing & Gate: Switchyard fencing & Gate as per tender drawings complete in all respect. Fencing layout drawings shall be prepared by the contractor and shall be approved by POWERGRID.

(g) Construction of Rain water harvesting system as per tender drawing.

B) CIVIL WORKS: BASED ON DESIGNS, ARCHITECTURAL, STRUCTURAL, FOUNDATION DRAWINGS TO BE DEVELOPED BY THE CONTRACTOR

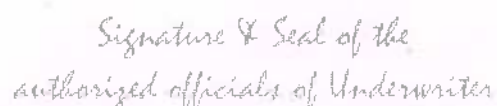
(a) Site levelling work: The work includes Contouring of entire plot area within the substation boundary however area to be levelled shall be decided during detailed engineering. HFL data is required to be arranged by contractor for finalization of FGL (Finished Ground Level).

(b) Slope Protection Works & Retaining Walls: Design & Drawings pertaining to slope protection works & retaining walls (if required) shall be finalized during detailed engineering

(c) Soil investigation Work-Soil investigation needs to be conducted as per the technical specification. The necessary soil investigation layout and final soil report shall be proposed by vendor for approval of POWERGRID.

(d) Control room Building The dimensions of building shall be finalized during detailed engineering based on technical requirements. Preparation of all drawings (architectural and structural) and design shall be in the scope of the contractor. The same shall be approved by POWERGRID during detail engineering. Terrace of the building shall be designed for additional load for solar panels i.e. 50 Kg/M².


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(e) Septic Tanks and soak pit: Septic tank and soak pit for the Control Room and Security Hut shall be as per CPWD specs.

(f) Firefighting pump house & Fire Water Tank.: The reference drawings pertaining to Firefighting pump house are attached as a part of tender drawings. These are applicable for size, plan and elevation purpose only. Preparation of all drawings (architectural and structural) and design shall be in the scope of the contractor. The same shall be approved by POWERGRID during detail engineering. Terrace of the building shall be designed for additional load for solar panels i.e. 50 Kg/M2

(g) Transformer/ Reactor foundation including rail-cum-road, Common Oil Pit and associated fire walls. Reference drg for Rail-cum-Road is attached as tender drawing.

(h) Structure and foundations for Equipment supports, Gantries, LT Transformers, double pole structure, DG set etc.

(i) Labour Hut: The reference drawings pertaining to Labour hut are attached as a part of tender drawings. The preparation of design and all drawings shall be in the scope of the contractor. The same shall be approved by POWERGRID during detail engineering. Technical Specifications is attached as Annex-VII

(j) Stone spreading and anti-weed treatment including PCC in the switchyard. Layout for the same shall be developed by the contractor.

(k) Internal & external water supply layout for Security Hut, Control Room Building, Firefighting Pump House Building, Fire Water Tank and Labour Hut.

(l) Internal plumbing and external sewerage layout for Control Room Building, Security Hut and Labour Hut.

(m) For buildings, the complete civil works including internal and external finishing, stone soling for flooring, plinth protection, drain along plinth protection etc. required to complete the building in all respect as per the drawing shall be payable in the plinth area rates.

(n) Foundation for Lighting Poles, Bay Marshalling Boxes, Panels and Control Cubicles wherever required. The cost of these foundations shall deem to be included in erection/installation of corresponding equipment of BPS.

(o) Pile foundations wherever applicable

(p) Switchyard Panel Room: The Switchyard panel rooms can be Single or Multiple. The dimensions of these building shall be decided during detailed engineering based on the technical requirements. The reference drawings of Switchyard Panel Room is attached as a part of tender drawings. These are applicable for size, plan and elevation purpose only.

(q) Any other item/design/drawing required for successful completion of the scope of works.

C) LATTICE AND PIPE STRUCTURES (GALVANIZED):

Design, engineering, fabrication, proto-assembly, supply including transportation & insurance, unloading, storage, erection and commissioning of following structures complete in all respect:

Towers, Beams, LM (if required) and all Equipment support structures except support structure for circuit breaker. The Support structure for Circuit Breaker shall be as per manufacturer's design.

In the bid price schedule, the structures including foundation bolts and fasteners are indicated in the form of sets. In case of 400kV switchyard, the Gantry structures are required to be quoted per diameter wise. In each diameter, the bidder shall consider all required structures. In case of 220kV switchyard, the Gantry structures including foundation bolts and fastener are required to be quoted per bay wise

Fasteners & foundation bolts are deemed to be included in respective structure items of BPS.

For diameter/bays where transformer is to be terminated, the structure must also consider the load and deviation

which is arising due to the interconnection with other side. Further, for the last diameter/bay, the end towers must be extendable type for connecting future beams. Bus work(s) may be optimized by the contractor by suitably considering the number of diameters/bays in a bus work section.

For design of Gantry structures, the conductor tension shall be as per Annexure-VI. For design of gantry structure with spans, wind speed or conductor configurations other than that specified in Annexure-VI, conductor tension shall be considered based on actual requirement of present & future scope of work.



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Relevant design calculations for such cases shall be submitted by the contractor for employer's approval during detailed engineering.

D) FACTOR OF SAFETY: Factor of safety for design of tower, equipment structures shall be 1.5 under normal condition and 1.2 under short-circuit condition.

Factor of safety for design of tower, equipment foundation shall be 1.5 in both normal and short circuit condition as per IS 456.

Factor of safety for stability of tower, equipment foundation like overturning shall be 2 (without wind or seismic), 1.5 (with wind or seismic) for normal and short circuit condition as per IS 1904."

C) Any other items not specifically mentioned in the specification but which are required for erection, testing and commissioning and satisfactory operation of the substation are deemed to be included in the scope of the specification unless specifically excluded

D) SPECIFIC EXCLUSION:

Employer's site office and stores

Supply, erection, testing & commissioning of Employer supplied Transformers/Reactors as per Clause 2.2 above

Cable from 765kV Reactor/ Autotransformer to IMB and from IMB to CMB of 765kV Reactor/ Autotransformer
Tariff Meter

2.3.1 Extension at Chittorgarh (PG) 400 kV S/s

A) ELECTRICAL EQUIPMENTS, ELECTRICAL & MECHANICAL AUXILIARIES, COMMUNICATION EQUIPMENT, SWITCHYARD ERECTION EQUIPMENTS & ACCESSORIES:

Design, engineering, manufacture, testing at manufacture's work, supply including transportation & insurance, unloading, storage, erection, testing and commissioning of following equipment and items complete in all respect:

(a) AIR INSULATED SWITCHGEAR

400kV / 220kV / 72.5kV / 33kV CLASS EQUIPMENTS (As per BPS): CIRCUIT BREAKERS, ISOLATORS, CURRENT TRANSFORMERS, CAPACITIVE VOLTAGE TRANSFORMERS, WAVE TRAP, BUS POST INSULATORS & SURGE ARRESTER

(b) CONTROL AND PROTECTION SYSTEM: Complete Control, Relay and Protection system for bays under present scope as per Section—Control and Relay Panels

Details of Existing 400kV bus bar protection scheme is as below:

Make & Model: ALSTOM & MICOM P741

Peripheral Bay Units for present scope: Existing

Necessary modifications, wiring, etc. for completion of the bus bar protection scheme for bays under present scope has to be carried out by contractor. Any modification required in the existing protection scheme is included in the present scope.

(c) SUBSTATION AUTOMATION SYSTEM

Augmentation of bays under present scope with existing Substation Automation System: The scope of bidder shall include but not limited to integration of IED's under present scope of augmentation with existing substation automation of Make: ALSTOM (which is based on IEC 61850) and capability enhancement of same as required including up-dating of system database, displays, development of additional displays and reports as per requirement.

- In the present scope, contractor shall also provide BCUs required for bays (bays as defined in Section: Substation Automation System) under present scope

- Any up-gradation of hardware and software for above integration shall be in the scope of contractor including license fee (if any).

The necessary interface equipment (Router, Firewall, Ethernet Switches etc.) and integration work for transferring data to RLDC (RSCC)/NLDC/National Transmission Asset Management Centre (NTAMC) at

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Manesar through optical fibre based SDH communication link is also under present scope. However, no work is envisaged at remote end (RLDC/NLDC/NTAMC/RTAMC etc) in the present scope

(d) FIRE PROTECTION SYSTEM: Conventional type Smoke detection, Fire alarm & Annunciation System and Fire Extinguishers for Switchyard panel Rooms under the present scope For Switchyard Panel Room

(e) CABLES: 1.1kV grade Power & Control cables (and special cables, if any) along with complete accessories including cabling works for Employer supplied equipment specified above for subject station. Methodology for supply, installation & sizing of 1.1kV Power & Control cables shall be as per Annexure-IV

(f) VMS: Details of VMS (being provided under separate package) shall be provided during detailed engineering. The contractor shall provide 2 nos. Color IP camera with PAN, Tilt & Zoom facility suitably located in 400kV outdoor switchyard. The scope of contractor shall include all associated items, accessories, line interface units, Fibre patch cards, Power supply units, Junction boxes, cables, Fibre optic cables, hardware and software etc. as applicable to meet functional requirements. Compatibility enhancement of VMS system, if needed, shall be done by the contractor under present scope.

(g) ILLUMINATION SYSTEM: LED based Indoor and Outdoor Illumination & Outdoor Receptacle (As per BPS)

(h) ERECTION HARDWARE: Conductor(s), Al tube, bus-bar materials, cable trays & covers, Bay MB, spacers, clamps & connectors, junction box, earthwire, earthing material risers, auxiliary earthmat (excluding main earth mat), buried cable trenches/pipes for equipment & lighting, cable supporting angles/channels, insulating mats, cable sealing arrangement, insulator guy arrangement, all accessories etc. as required

(i) INSULATOR STRINGS AND ASSOCIATED HARDWARE: Insulator strings and associated hardware fittings under present scope shall be provided by the contractor as per Bid Price Schedule (BPS).

(j) MAIN EATHMAT: Main Earthmat for area under present scope of work already exists at site. All the Gantry structures, equipment's support, structures, cable trenches, auxiliary earthmat for isolators etc. shall be earthed by connecting them to the main Earthmat by the contractor.

(k) LIGHTNING PROTECTION (DSLPP): The lightning protection (DSLPP) for complete switchyard is to be provided by the contractor. The contractor shall design the lightning protection by utilizing the structures being provided under present scope. In case, additional structures (Lightning Masts) are required to meet the lightning protection, the contractor shall provide the same without any additional cost to POWERGRID. The cost for provision of lightning masts, including associated earthing materials, hardware etc. shall deemed to be included under the respective switchyard bay structures. The civil works shall be payable as per relevant item of BPS.

(l) COMMUNICATION EQUIPMENT:

(i) Tele-Communication Equipment:

The broad Scope of the procurement of FO based Communication Equipment shall include planning, designing, engineering, supply, transportation, insurance, delivery at site, unloading handling, storage, installation, termination, testing, training and demonstration for acceptance, commissioning and documentation for following

- SDH Equipment along with suitable interfaces and line cards.
- All cabling, wiring, Digital Distribution frame patch facilities and interconnection to the supplied equipment at the defined interfaces,
- System integration of all supplied subsystem
- Integration with the existing communication system based on SDH and PDH of employer
- Integration of supplied subsystem with SCADA system, PLCC equipment, PABX of RLDC/SLDC, VOIP (SIP compliant) for voice.
- Fibre Optic Approach Cable (FOAC) along with duct and Fibre Optic Distribution Panel (FODP)
- Integration of new Communication equipment in the existing regional NMS. All required support to existing NMS vendor for integration of new Communication equipment.

(ii) Phasor Measuring Unit

The broad scope of the procurement of PMU shall include Planning, designing, engineering, supply, transportation, insurance, delivery at site, unloading handling, storage, installation, termination, testing and


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demonstration for acceptance, commissioning and documentation for PMU as per BPS and these PMU shall support IEEE C 37.118 protocols. These PMUs shall be integrated with Phasor data Concentrator (PDC) at RLDC/SLDC for the subject project

B) MANDATORY SPARES: Design, engineering, manufacture, testing and supply including transportation & insurance, storage of mandatory spares at site as per BPS. The Break-up of Mandatory Spares shall be as per Annexure-III.

C) CIVIL WORKS & SUPPORT STRUCTURE

C.1) CIVIL WORKS: BASED ON POWERGRID SUPPLIED DRAWINGS

(a) Cable Trenches: Cable trenches including cable trenches in Reactor/Transformer area along with covers including road/rail crossing, sump pits, culverts etc. shall be constructed as per tender drawings. However, Cable trench layout including invert levels shall be prepared by contractor for approval of POWERGRID based on the cable trench sections available in Tender drawings.

Mode of measurement of this item is in RM as per BOQ. All works such as Excavation, PCC, RCC, Reinforcement, Misc. Structural steel, cable trench crossings (using RCC Hume Pipe (NP-3)), sumps etc. required as per technical specification and drawings for successful completion of the works are deemed to be included in quoted rates.

C.2) CIVIL WORKS: BASED ON DESIGNS, ARCHITECTURAL, STRUCTURAL, FOUNDATION DRAWINGS TO BE DEVELOPED BY THE CONTRACTOR

(a) Structure and foundations for Equipment supports, Gantries, LT Transformers, double pole structure, DG set etc. Mode of measurement of this item shall be as per BOQ. The items Excavation, PCC, RCC, Reinforcement, Misc. Structural steel and all other civil works required as per technical specification and drawings for successful completion of the works are deemed to be included in quoted rates.

(b) For buildings, the complete civil works including internal and external finishing, stone soling for flooring, plinth protection, drain along plinth protection etc. required to complete the building in all respect as per the drawing shall be payable in the plinth area rates.

(c) Foundation for Lighting Poles, Bay Marshalling Boxes, Panels and Control Cubicles wherever required. The cost of these foundations shall deem to be included in erection/installation of corresponding equipment of BPS.

(d) Switchyard Panel Room: The Switchyard panel rooms can be Single or Multiple. The dimensions of these building shall be decided during detailed engineering based on the technical requirements. The reference drawings of Switchyard Panel Room is attached as a part of tender drawings. These are applicable for size, plan and elevation purpose only. Mode of measurement of this item is in SQM of plinth area as per BOQ. The calculation of plinth area shall be as per IS:3861-2002. The items Excavation, PCC, RCC, Reinforcement, Misc. Structural steel and all other civil works required as per technical specification and drawings for successful completion of the works are deemed to be included in quoted rates.

Any other item/design/drawing required for successful completion of the scope of works.

C.3) LATTICE AND PIPE STRUCTURES (GALVANIZED): Design, engineering, fabrication, proto-assembly, supply including transportation & insurance, unloading, storage, erection and commissioning of following structures complete in all respect:

Towers, Beams, LM (if required) and all Equipment support structures except support structure for circuit breaker. The Support structure for Circuit Breaker shall be as per manufacturer's design.

In the bid price schedule, the structures including foundation bolts and fasteners are indicated in the form of sets. In case of 400kV switchyard, the Gantry structures are required to be quoted per diameter wise. In each diameter, the bidder shall consider all required structures. In case of 220kV switchyard, the Gantry structures including foundation bolts and fastener are required to be quoted per bay wise

Fasteners & foundation bolts are deemed to be included in respective structure items of BPS.

For diameter/bays where transformer is to be terminated, the structure must also consider the load and deviation which is arising due to the interconnection with other side. Further, for the last diameter/bay, the

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end towers must be extendable type for connecting future beams. Bus work(s) may be optimized by the contractor by suitably considering the number of diameters/bays in a bus work section.

For design of Gantry structures, the conductor tension shall be as per Annexure-VI. For design of gantry structure with spans, wind speed or conductor configurations other than that specified in Annexure-VI, conductor tension shall be considered based on actual requirement of present & future scope of work. Relevant design calculations for such cases shall be submitted by the contractor for employer's approval during detailed engineering.

C.4) FACTOR OF SAFETY:

Factor of safety for design of tower, equipment structures shall be 1.5 under normal condition and 1.2 under short-circuit condition.

Factor of safety for design of tower, equipment foundation shall be 1.5 in both normal and short circuit condition as per IS 456.

Factor of safety for stability of tower, equipment foundation like overturning shall be 2 (without wind or seismic), 1.5 (with wind or seismic) for normal and short circuit condition as per IS 1904."

D) Any other items not specifically mentioned in the specification but which are required for erection, testing and commissioning and satisfactory operation of the substation are deemed to be included in the scope of the specification unless specifically excluded

E) SPECIFIC EXCLUSION

Employer's site office and stores

Supply, erection, testing & commissioning of Employer supplied Transformers/Reactors as per Clause 2.2 above

Cable from 765kV Reactor/ Autotransformer to IMB and from IMB to CMB of 765kV Reactor/ Autotransformer
Tariff Meter

2.4.1 Extension at Extension of Mandsaur 400 kV S/s:

ELECTRICAL EQUIPMENTS, ELECTRICAL & MECHANICAL AUXILIARIES, COMMUNICATION EQUIPMENT, SWITCHYARD ERECTION EQUIPMENTS & ACCESSORIES :

Design, engineering, manufacture, testing at manufacture's work, supply including transportation & insurance, unloading, storage, erection, testing and commissioning of following equipment and items complete in all respect:

(a) AIR INSULATED SWITCHGEAR:

400kV / 220kV / 72.5kV / 33kV CLASS EQUIPMENTS (As per BPS) : Circuit Breakers, Isolators, Current Transformers, Capacitive Voltage Transformers, Wave Trap, Bus Post Insulators & Surge Arrester

(b) CONTROL AND PROTECTION SYSTEM: Complete Control, Relay and Protection system for bays under present scope as per Section—Control and Relay Panels

Details of Existing 400kV bus bar protection scheme is as below :

Make & Model: GE ALSTOM & 743(AREVA)

Peripheral Bay Units for present scope: To be supplied under present scope

Necessary modifications, wiring, etc. for completion of the bus bar protection scheme for bays under present scope has to be carried out by contractor. Any modification required in the existing protection scheme is included in the present scope.

(c) SUBSTATION AUTOMATION SYSTEM: Augmentation of bays under present scope with existing Substation Automation System: The scope of bidder shall include but not limited to integration of IED's under present scope of augmentation with existing substation automation of Make: ALSTOM (which is based on IEC 61850) and capability enhancement of same as required including up-dating of system database, displays, development of additional displays and reports as per requirement.

- In the present scope, contractor shall also provide BCUs required for bays (bays as defined in Section: Substation Automation System) under present scope

- Any up-gradation of hardware and software for above integration shall be in the scope of contractor including license fee (if any).


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The necessary interface equipment (Router, Firewall, Ethernet Switches etc.) and integration work for transferring data to RLDC (RSCC)/NLDC/National Transmission Asset Management Centre (NTAMC) at Manesar through optical fibre based SDH communication link is also under present scope. However, no work is envisaged at remote end (RLDC/NLDC/NTAMC/RTAMC etc) in the present scope

(d) FIRE PROTECTION SYSTEM: Conventional type Smoke detection, Fire alarm & Annunciation System and Fire Extinguishers for Switchyard panel Rooms under the present scope
For Switchyard Panel Room

(e) CABLES: 1.1kV grade Power & Control cables (and special cables, if any) along with complete accessories including cabling works for Employer supplied equipment specified above for subject station. Methodology for supply, installation & sizing of 1.1kV Power & Control cables shall be as per Annexure-IV

(f) VMS: Details of VMS (being provided under separate package) shall be provided during detailed engineering. The contractor shall provide 2 nos. Color IP camera with PAN, Tilt & Zoom facility suitably located in 400kV outdoor switchyard. The scope of contractor shall include all associated items, accessories, line interface units, Fibre patch cards, Power supply units, Junction boxes, cables, Fibre optic cables, hardware and software etc. as applicable to meet functional requirements. Compatibility enhancement of VMS system, if needed, shall be done by the contractor under present scope.

(g) ILLUMINATION SYSTEM :LED based Indoor and Outdoor Illumination & Outdoor Receptacle (As per BPS)

(h) ERECTION HARDWARE: Conductor(s), Al tube, bus-bar materials, cable trays & covers, Bay MB, spacers, clamps & connectors, junction box, earthwire, earthing material risers, auxiliary earthmat (excluding main earth mat), buried cable trenches/pipes for equipment & lighting, cable supporting angles/channels, Insulating mats, cable sealing arrangement, insulator guy arrangement, all accessories etc. as required

(i) INSULATOR STRINGS AND ASSOCIATED HARDWARE: Insulator strings and associated hardware fittings under present scope shall be provided by the contractor as per Bid Price Schedule (BPS).

(j) MAIN EARTHMAT: Main Earthmat for area under present scope of work already exists at site. All the Gantry structures, equipment's support, structures, cable trenches, auxiliary earthmat for isolators etc. shall be earthed by connecting them to the main Earthmat by the contractor.

(k) LIGHTNING PROTECTION (DSLPP): The lightning protection (DSLPP) for complete switchyard is to be provided by the contractor. The contractor shall design the lightning protection by utilizing the structures being provided under present scope. In case, additional structures (Lightning Masts) are required to meet the lightning protection, the contractor shall provide the same without any additional cost to POWERGRID. The cost for provision of lightning masts, including associated earthing materials, hardware etc. shall be deemed to be included under the respective switchyard bay structures. The civil works shall be payable as per relevant item of BPS.

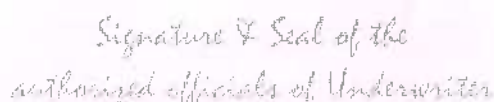
(l) COMMUNICATION EQUIPMENT

(i) Tele-Communication Equipment:

The broad Scope of the procurement of FO based Communication Equipment shall include planning, designing, engineering, supply, transportation, insurance, delivery at site, unloading handling, storage, installation, termination, testing, training and demonstration for acceptance, commissioning and documentation for following

- SDH Equipment along with suitable interfaces and line cards.
- All cabling, wiring, Digital Distribution frame patch facilities and interconnection to the supplied equipment at the defined interfaces,
- System integration of all supplied subsystem
- Integration with the existing communication system based on SDH and PDH of employer
- Integration of supplied subsystem with SCADA system, PLCC equipment, PABX of RLDC/SLDC, VOIP (SIP compliant) for voice.
- Fibre Optic Approach Cable (FOAC) along with duct and Fibre Optic Distribution Panel (FODP)


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• Integration of new Communication equipment in the existing regional NMS. All required support to existing NMS vendor for integration of new Communication equipment

(ii) Phasor Measuring Unit

The broad scope of the procurement of PMU shall include Planning, designing, engineering, supply, transportation, insurance, delivery at site, unloading handling, storage, installation, termination, testing and demonstration for acceptance, commissioning and documentation for PMU as per BPS and these PMU shall support IEEE C 37.118 protocols. These PMUs shall be integrated with Phasor data Concentrator (PDC) at RLDC/SLDC for the subject project

B) MANDATORY SPARES : Design , engineering, manufacture, testing and supply including transportation & insurance, storage of mandatory spares at site as per BPS. The Break-up of Mandatory Spares shall be as per Annexure-III.

C) CIVIL WORKS & SUPPORT STRUCTURE

C.1) CIVIL WORKS : BASED ON POWERGRID SUPPLIED DRAWINGS

(a) Road : Road shall be constructed as per tender drawing. However, Road layout shall be prepared by contractor and submitted to POWERGRID for approval.

Mode of measurement of this item is in SQM as per BOQ. Finished surface of concrete road is measured in sqm for payment purpose. The items earthwork (excavation, disposal etc.), compaction, rolling, watering, WBM, concreting all type, reinforcement, grating, shoulder, 100mm dia RCC hume pipe (to be provided at every 100m wherever indicated), kerb stone (if any) etc. and all other civil works required as per technical specification and drawings for successful completion of the works are deemed to be included in quoted rates.

(b) Cable Trenches : Cable trenches including cable trenches in Reactor/Transformer area along with covers including road/rail crossing, sump pits, culverts etc. shall be constructed as per tender drawings. However, Cable trench layout including invert levels shall be prepared by contractor for approval of POWERGRID based on the cable trench sections available in Tender drawings.

Mode of measurement of this item is in RM as per BOQ. All works such as Excavation, PCC, RCC, Reinforcement, Misc. Structural steel, cable trench crossings (using RCC Hume Pipe (NP-3)), sumps etc. required as per technical specification and drawings for successful completion of the works are deemed to be included in quoted rates.

(c) Drains : Storm water Drain layout including peripheral drains if any shall be prepared by contractor based on the drain sections available in Tender drawings and to be submitted for approval of POWERGRID. Mode of measurement of this item is in RM as per BOQ. The items Excavation, PCC, RCC, Reinforcement, Misc. Structural steel, drain crossings (using RCC Hume Pipe (NP-3)) and all other civil works required as per technical specification and drawings for successful completion of the works are deemed to be included in quoted rates.

C.2) CIVIL WORKS : BASED ON DESIGNS, ARCHITECTURAL, STRUCTURAL, FOUNDATION DRAWINGS TO BE DEVELOPED BY THE CONTRACTOR

(a) Soil investigation Work-Soil investigation needs to be conducted as per the technical specification. The necessary soil investigation layout and final soil report shall be proposed by vendor for approval of POWERGRID.

(b) Soil Investigation shall be carried out for 2 bore hole locations only.

(c) Structure and foundations for Equipment supports, Gentries, LT Transformers, double pole structure, DG set etc. Mode of measurement of this item shall be as per BOQ. The items Excavation, PCC, RCC, Reinforcement, Misc. Structural steel and all other civil works required as per technical specification and drawings for successful completion of the works are deemed to be included in quoted rates.

(d) Stone spreading and anti-weed treatment including PCC in the switchyard. Layout for the same shall be developed by the contractor.

(e) For buildings, the complete civil works including internal and external finishing, stone soling for flooring, plinth protection, drain along plinth protection etc. required to complete the building in all respect as per the drawing shall be payable in the plinth area rates.



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(f) Foundation for Lighting Poles, Bay Marshalling Boxes, Panels and Control Cubicles wherever required. The cost of these foundations shall be deemed to be included in erection/installation of corresponding equipment of BPS.

(g) Pile foundations wherever applicable

(h) Switchyard Panel Room: The Switchyard panel rooms can be Single or Multiple. The dimensions of these building shall be decided during detailed engineering based on the technical requirements. The reference drawings of Switchyard Panel Room is attached as a part of tender drawings. These are applicable for size, plan and elevation purpose only. Mode of measurement of this item is in SQM of plinth area as per BOQ. The calculation of plinth area shall be as per IS:3861-2002. The items Excavation, PCC, RCC, Reinforcement, Misc. Structural steel and all other civil works required

as per technical specification and drawings for successful completion of the works are deemed to be included in quoted rates.

(i) Any other item/design/drawing required for successful completion of the scope of works.

C.3) LATTICE AND PIPE STRUCTURES (GALVANIZED):

Design, engineering, fabrication, proto-assembly, supply including transportation & insurance, unloading, storage, erection and commissioning of following structures complete in all respect:

Towers, Beams, LM (if required) and all Equipment support structures except support structure for circuit breaker. The Support structure for Circuit Breaker shall be as per manufacturer's design.

In the bid price schedule, the structures including foundation bolts and fasteners are indicated in the form of sets. In case of 400kV switchyard, the Gantry structures are required to be quoted per diameter wise. In each diameter, the bidder shall consider all required structures. In case of 220kV switchyard, the Gantry structures including foundation bolts and fastener are required to be quoted per bay wise

Fasteners & foundation bolts are deemed to be included in respective structure items of BPS.

For diameter/bays where transformer is to be terminated, the structure must also consider the load and deviation which is arising due to the interconnection with other side. Further, for the last diameter/bay, the end towers must be extendable type for connecting future beams. Bus work(s) may be optimized by the contractor by suitably considering the number of diameters/bays in a bus work section.

For design of Gantry structures, the conductor tension shall be as per Annexure-VI. For design of gantry structure with spans, wind speed or conductor configurations other than that specified in Annexure-VI, conductor tension shall be considered based on actual requirement of present & future scope of work. Relevant design calculations for such cases shall be submitted by the contractor for employer's approval during detailed engineering.

C.4) FACTOR OF SAFETY:

Factor of safety for design of tower, equipment structures shall be 1.5 under normal condition and 1.2 under short-circuit condition.

Factor of safety for design of tower, equipment foundation shall be 1.5 in both normal and short circuit condition as per IS 456.

Factor of safety for stability of tower, equipment foundation like overturning shall be 2 (without wind or seismic), 1.5 (with wind or seismic) for normal and short circuit condition as per IS 1904."

D) Any other items not specifically mentioned in the specification but which are required for erection, testing and commissioning and satisfactory operation of the substation are deemed to be included in the scope of the specification unless specifically excluded

E) SPECIFIC EXCLUSION

Employer's site office and stores

Supply, erection, testing & commissioning of Employer supplied Transformers/Reactors as per Clause 2.2 above

Cable from 765kV Reactor/ Autotransformer to IMB and from IMB to CMB of 765kV Reactor/ Autotransformer

Tariff Meter

Site Levelling



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Milestones

SL. NO.	MILESTONE ACTIVITY	TENTATIVE DATES
1	START OF DESPATCH OF MATERIAL	From Jan - 2023
2	START OF ERECTION ACTIVITY	From April - 2023
3	PROJECT COMPLETION PERIOD	15 months i.e. March 2024



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SECTION - I

GENERAL INSTRUCTIONS TO TENDERERS

- 1 This tender, shall be duly signed & stamped on each page and uploaded on GeM portal.
- 2 Tenders shall be opened at the time and date as specified in the tender notice on GeM portal.
- 3 The Underwriters shall closely peruse all the clauses and specifications indicated in the Tender Documents before quoting. Only such clarifications that are issued after discussions on technical deviations and which affect the tender stipulations in a substantial manner will be made known to rest of the tenderer before opening the bid. **Bidders may contact us before scheduled opening of the Price Bid to find out whether any clarifications have been issued or not, so as to eliminate chances of the same having not reached the right person/ office despite their dispatch by us.**
4. Underwriters must fill up all the schedules and furnish all the required information as per the instructions given in various sections of the tender specification, failing which tender is liable to be rejected.
5. The bidders shall quote the rates both in English words as well as in Figures.
 - a) If, in the price structure quoted for the required goods/ services/ works, there is discrepancy between the unit price and the total price (which is obtained by multiplying the unit price by the quantity), the unit price shall prevail and the total price corrected accordingly, unless in the opinion of the purchaser there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price corrected accordingly.
 - b) If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - c) If there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (a) and (b) above.
 - d) If there is such discrepancy in an offer, the same shall be conveyed to the bidder with target date up to which the bidder has to send his acceptance on the above lines and if the bidder does not agree to the decision of BHEL, the bid is liable to be ignored.
6. All corrections and insertions shall be duly counter-signed by the authorized signatory of the underwriter.
7. The underwriter will not change the dealing office without prior approval of BHEL.
8. **Documents to be submitted by the successful bidder:** In addition to other requisite documents, the following will also be submitted by the successful bidder.
 - (i) Sets of claim forms for various covers viz. Marine, Theft, Erection claims in adequate number.
 - (ii) Sets of documents needed for settlement of each type of Claim
 - (iii) Nomination of offices/representatives from Delhi and the site location who will attend to the requirements of respective offices, reply to all the queries and coordinate with the serving office/ officials.

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9. Documents to be submitted In the Techno-Commercial Bid:

- (i) Deviation Statement – **Annexure I**. Deviations, if any, are to be mentioned in the deviation statement only. The deviations mentioned elsewhere in the techno-commercial bid or the Price bid shall not be considered by BHEL.
- (ii) Declaration sheet – **Annexure II**
- (iii) Certificate of Declaration for Confirmation of IRDA / TAC guidelines – **Annexure III**
- (iv) Declaration – **Annexure IV**
- (v) List of Internationally accepted exclusions – **Annexure V**
- (vi) Discount in Premium beyond Policy period – **Annexure VI**
- (vii) Un-Priced Price Schedule – **Annexure-VII**

The following documents are also to be annexed as part of the Techno-Commercial Bid:

- (i) Original tender document to be signed and returned as a token of acceptance of tender condition subject to technical deviation mutually agreed between BHEL and successful bidder.
- (ii) Valid Power of Attorney in favour of person signing the tender documents.

11. The terms and conditions regarding Cancellation of Policy and its Consequences shall be in line with the IRDA Guidelines / TAC governed Policy wordings. All provisions in the Tariff in this regard will be applicable.

12. The selected Underwriter will be liable to meet all requirements of the Regulator (IRDA) inclusive of penalties / payment of difference in premium arising out of violations (if any), committed by the Underwriter prior to / during / after the commencement / expiry of coverage of risk under this Policy and BHEL in no way will be responsible for such violations.

13. Validity of offer:

THE OFFER SUBMITTED BY THE UNDERWRITER SHALL BE KEPT VALID FOR ACCEPTANCE FOR A PERIOD OF THREE MONTHS FROM THE DATE OF OPENING OF TECHNO-COMMERCIAL BID. In case we call party(ies) for negotiations, such negotiations shall not amount to cancellation or withdrawal of the original offer which shall be binding on the Tenderers unless otherwise agreed upon.

14. FORMATION OF CONTRACT

All the documents issued by BHEL as well as accepted by it up to the stage of premium payment will form part of the contract. Some of the examples are: Tender Document, Techno-Commercial/ Price Bid, MOM, MOU, Deviation Statement etc. Separate policies for three locations will be issued by the successful bidder.

15. BHEL will not be bound by any Power of Attorney granted by the Underwriter or by changes in the composition of the firm made subsequent to the execution of the contract. BHEL may, however, recognize such Power of Attorney and changes at its discretion proper legal advice.

16. If the Underwriter gives wrong information in his tender, BHEL reserves the right to reject such tender at any stage or to cancel the contract, if awarded. The Policy document complete with endorsement etc will be made available to the site and Region office within a week of issuance of cheque/deposit of first premium, as submission of insurance policy is a pre-requisite of the payment by the customer.


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17. Canvassing in any form in connection with the tender is strictly prohibited and the tenders submitted by the Underwriter who resorts to canvassing are liable to be rejected.

18. STEPS IN THE PROCESS OF THE TENDER BY BHEL

18.1 **Technical Qualification:** As a first step of evaluation process, Techno Commercial bid of all the bidders shall be opened & scrutinized with a view to determine technical acceptability of the offers and to check submission of the required documents. If required, bidders shall be called for technical discussions.

18.2 **Issue of clarifications, if applicable**

18.3 **Opening of price bids**

18.4 **Price Bid Evaluation:**

Party quoting overall lowest Premium (incl. GST) in the Summary Sheet (Annexure- VII) i.e, aggregating all the three policies/locations in the Price Bid and adhering to tender stipulations in an unqualified manner will normally be declared L-1.

19.0 Business Sharing:

The Consortium of Insurance Companies for the purpose of award of work will consist of Lead Insurer and One Co-Insurer. The business will be shared within two insurers in the ratio of 70:30, subject to the acceptance of L1 rate by subsequent bidders; i.e, L2,L3,...etc as the case may be. The co-insurance will be offered to the insurers in their bid sequence i.e, to L2,to L3 if not accepted by L2 and so on. However, wherever the number of qualified responses (N) are three or more, the co-insurance offer shall be limited to (N-1) qualified responses.

19.1 However, in case L2, L3...and so on up to N-1 bidder, who is offered co-insurance share, fails to accept the co-insurance share, BHEL reserves the right to award policy (100% share) to L1 bidder.

19.2 In the event of Private Sector Insurance Company becoming Lead Insurer or co-insurer, they will be required **not to retain more than 40% of their share**. The balance will be re-insured with GIC and/or at least A+ rated international re-insurer.

20.0 MODE OF PAYMENT OF PREMIUM INSTALMENT

BHEL will pay the premium as per market conventions. Insurer shall send Bill/ notice for payment of premium installments, if any, at least 30 days before the Installment due date. The premium invoice raised by the underwriter should be as per the directives of BHEL following GST compliance. Underwriter shall ensure that BHEL is able to avail credit of input GST paid on insurance premium within the due time allowed as per applicable law and will take all necessary steps timely, in this regard. In case any loss of input GST Credit to BHEL due to reasons attributable to underwriter, the same will be recovered from the underwriter. BHEL shall inform insurer telephonically to depute their representative to collect the cheque from concerned officials of BHEL. In case Insurer fails to collect premium on or before due date the same will be dispatched through Registered Post on due date.

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BHEL shall not take any responsibility for late receipt of cheque sent through post. BHEL reserves the right to make payment electronically through ECS / RTGS.

21.0 Rights of BHEL

BHEL reserves to itself the following rights in respect of this proposal / contract without entitling the insurer to any compensation. In case, due to any of the reasons / causes mentioned below, BHEL decides to cancel the Policy, the consequences for the same shall be as per Clause 11.

21.1 If the Underwriter gives wrong information in his tender, BHEL reserves the right to reject such tender at any stage or to cancel the contract, if awarded.

21.2 To short close/ terminate the policy after due notice in the event of claims not getting settled in time/ Service not being rendered to BHEL's satisfaction.

21.3 To get the policy serviced through another Insurance Co. in the event of poor servicing of the policy.

21.4 All the works shall be carried out under the directions and to the satisfaction of BHEL.

21.5 If the services of the division / branch of the Insurance Company selected are found to be deficient, BHEL reserves the right to change the division/branch of insurance company during the cover period.

21.6 In case a particular branch of the underwriter fails to give service to the entire satisfaction of the unit concerned, the coordinating office of the underwriter in Delhi will serve the unit directly. If this arrangement does not work to BHEL's satisfaction, the policy will be shifted to another underwriter of BHEL's choice.

21.7 The acceptance or non-acceptance of tender will entirely rest at the sole discretion of BHEL and does not bind BHEL to accept the lowest tender or any other tender and to reject any or all of the tenders without assigning any reasons whatsoever. The decision of BHEL in this regard shall be final.

21.8 Those Insurance Cos. with whom litigation / arbitration are going on or with whom BHEL is having unresolved disputes for settlement of genuine claims may not be considered at the sole discretion of BHEL for award of any fresh job till resolution of the same and the decision of BHEL in this regard shall be final and binding on all bidders.

22.0 BHEL shall be issuing enquiry to insurance company and all dealings prior to award and after the award of policy will be only with underwriter directly. **No broker/agent will be allowed.**

23.0 ARBITRATION

23.1 The arbitration shall be conducted in accordance with the provisions of the Arbitration and Conciliation Act, 1996 for disputes related to the quantum of the claim. All disputes, related to the quantum of claim, between the parties to the contract arising out of or in relation to the contract other than those for which the decision of the Engineer or any other person is by the contract expressed to be final and conclusive, shall after written notice by either party to the contract to the other party be referred to sole arbitration of the General Manager or his

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nominee. The parties to the contract understand and agree that it will be no objection that the General Manager or the person nominated as Arbitrator has earlier in his official capacity to deal directly or indirectly with the matters to which the contract relates or that in the course of his official capacity to deal directly or indirectly with the matters to which the contract relates or that in the course of his official outlet had expressed on all or any of the matters in dispute or difference.

- 23.2 In the event of the Arbitrator dying, neglecting or refusing to act or resigning or being unable to act for any reason or his award being set aside by the Court for any reason, it shall be lawful for the General Manager or his successor, as the case may be, either to act himself as the Arbitrator or to appoint another Arbitrator in place of the outgoing Arbitrator in the manner aforesaid.
- 23.3 The Arbitrator may, from time to time, with the consent of both the parties to the contract, enlarge the time for making the award.
- 23.4 Work under the contract shall be continued during the arbitration proceedings. The venue of the arbitration shall be the place from which the contract is issued or such other place as the Arbitrator at his discretion may determine.
- 23.5 All the above clauses will apply to the extent and in the manner that is commensurate with the Arbitration Act.

24.0 Administrative Mechanism for Resolution of CPSEs Disputes (AMRCD).

(Applicable to PSU Bidders only)

"In the event of any dispute or difference relating to the interpretation and application of the provisions of commercial contract(s) between Central Public Sector Enterprises (CPSEs) inter se, such dispute or difference shall be taken up by either party for resolution through AMRCD as mentioned in DPE OM No. 4(1)/2013-DPE(GM)/FTS-1835 dated 22-05-2018".

- 25.0 **Fraud Prevention:** The bidder along with its associates/ collaborators/ sub-contractors/sub-vendors/ consultants/ service providers shall strictly adhere to BHEL Fraud Prevention Policy displayed on BHEL website <http://www.bhel.com> and shall immediately bring to the BHEL management about any fraud or suspected fraud as soon as it comes to their notice.

26.0 Shifting of Policy:

In the event of insured shifting his office from the present location of Kolkata/ Delhi to other place due to any reasons, the policy will be shifted to the Divisional Office of Insured's new location by mutual agreement.

The underwriter will not change the dealing office without prior approval of BHEL.

27.0 Responsibility for re-insurance arrangement

It will be the responsibility of Tenderer to go for suitable re-insurance arrangement. It is mandatory on the part of insurer to furnish the details of re-insurance arrangement.

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However, for all purposes, the Tenderer shall deal only with insured parties who shall be responsible for this insurance as a whole. Re-insurance is to be done with GIC in India and/or A+ rated international re-insurers.

28.0 PARTIES WHOSE INTERESTS ARE INSURED
(FOR EAR/MCE & THIRD PARTY LIABILITY POLICY COVERS)

1. Principal Beneficiary:	POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED (100% SUBSIDIARY OF POWERGRID) B-9, Qutab Institutional Area, Katwaria Sarai, New Delhi – 110016, India
2. PROJECT	Substation Package SS01 for (i) 400/220kV AIS Neemuch New S/S including 400kV class Transformer & Bus Reactor, (ii) Extension of 400kV Chittorgarh S/S and (iii) Extension of 400kV Mandsaur S/S associated with Transmission system for evacuation of power from Neemuch REZ through Tariff Based Competitive Bidding (TBCB)
3. Executing Agencies	M/s. Bharat Heavy Electricals Ltd. Transmission Business Group, Plot No.25, Sectro-16A, Noida- 201301 & SUB-CONTRACTORS/ Sub-Vendors/BHEL Manufacturing Units

29.0 ISSUE OF NOTICE

The Underwriters shall furnish to the Engineer, the name, designation and address of his authorized agent. All complaints, notices, communications and references shall be deemed to have been duly given to the Underwriters, if delivered to the underwriter or his authorized agent or left at or posted to the address either of the underwriter or his authorized agent and shall be deemed to have been so given in the case of posting on the day on which they would have reached such address in the ordinary course of post or at which they were so delivered or left.

30.0 USE OF LAND

No land belonging to BHEL or its customer under temporary possession of BHEL shall be occupied by the Underwriter without the written permission of BHEL.



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SECTION - II

GENERAL TERMS AND CONDITIONS

- 1.0 The following terms and expressions shall have the meaning hereby assigned to them except where the context otherwise requires.
- 1.1 **BHEL /INSURED** shall mean **Bharat Heavy Electricals Limited**, a Company registered under the Indian Companies Act 1956, with its Registered Office at BHEL HOUSE, SIRI FORT, NEW DELHI-110049 or its authorized Officers or its Engineers or other employees authorized to deal with any matters with which these persons are concerned, on its behalf.
- 1.2 **'GENERAL MANAGER'** shall mean the Officer in Administrative charge of the Project for which insurance is being arranged.
- 1.3 **'ENGINEER or 'ENGINEER-IN-CHARGE'** shall mean Engineer deputed by BHEL. The terms includes Deputy General Manager, Construction Manager, Resident Manager, Site Engineer, Resident Engineer and Assistant Site Engineer of BHEL at the site as well as the officers in charge at Head Office.
- 1.4 **'SITE'** shall mean the place or places at which the plants/equipment are to be erected and services are to be performed and **'UNIT'** shall mean BHEL units and their vendors supplying the plant / material to site as per the specifications of this Tender.
- 1.5 **'CLIENTS OF BHEL'** or **'CUSTOMER'** shall mean the respective project authorities to whom BHEL is rendering supply, erection and commissioning the equipment/services.
- 1.6 **'Insurer / Bidders / Tenderers / Underwriters'** shall mean the company who submits the tender and enters into contract with BHEL and shall include their executors, administrators, successors and permitted assigns.
- 1.7 **'CONTRACT or 'CONTRACT DOCUMENT'** shall mean and include the policy, the work order, the accepted appendices of rates, Instruction to tenders, General Conditions of Contract. Special conditions of contract and the Letter of Intent / Acceptance letter issued by BHEL. Any conditions or terms stipulated by the Underwriter. In the tender documents or subsequent letters shall not form part of the Contract unless specifically accepted in writing by BHEL.
- 1.8 **'GENERAL CONDITIONS OF CONTRACT'** shall mean the 'Instructions to Tenderers' and 'General Conditions of Contract' pertaining to the work detailed.
- 1.9 **'TENDER SPECIFICATIONS'** shall mean the Special Conditions, Technical Specifications, appendices and Site information pertaining to the work for which the Underwriters are



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required to submit their offers. Individual Specifications Number will be assigned to each tender specifications.

- 1.10 **'TENDER DOCUMENTS'** shall mean the General Conditions of contract (clause no.1.8 above) and Tender Specifications (clause no.1.9 above).
- 1.11 **'LETTER OF INTENT'** shall mean the intimation by a letter / fax to the Underwriter that the tender has been accepted in accordance with provisions contained in the letter. The responsibilities of the Underwriter commences from the date of issue of this letter and all the terms and conditions of contract are applicable from this date.
- 1.12 **'COMPLETION TIME'** shall mean the policy period by date specified in the Letter of Intent or date mutually agreed upon for handling the policy and found acceptable by the Engineer being of required standard and conforming to the specifications of the contract.
- 1.13 **'PLANT'** shall mean permanent plant, equipment, machinery, apparatus, articles and things of all kinds to be provided and incorporated in the facilities by the contractor under the contract.
- 1.14 **'EQUIPMENT'** shall mean all equipment, Machineries, Apparatus, Articles, Things, of all kinds to be provided and incorporated in the facilities. This includes also Materials, Structures, electrical and other components of the plant covered by the Contract.
- 1.15 **'PRE-COMMISSIONING', 'COMMISSIONING' & 'TESTING'** shall mean and include such test or tests to be carried out by BHEL or their subcontractor as considered necessary by BHEL in order to ascertain the quality, workmanship, performance and efficiency of the erected equipment.
- 1.16 **'APPROVED', 'DIRECTED' or 'INSTRUCTED'** shall mean approved, directed or instructed by BHEL.
- 1.17 **'WORK' OR 'CONTRACT WORK'** shall mean and include rendering of all categories of services required for complete and satisfactory settlement of claims arising during inland transportation, further site transportation, handling, stacking, storing, erecting, testing and commissioning of the equipment to the entire satisfaction of BHEL.
- 1.18 **'SUB-CONTRACTOR'** shall mean the agency/agencies appointed by BHEL/PS-WR for Handling at Site, Storage, Assembly, Erection and Commissioning of the equipment at site.
- 1.19 **'CLAIM'** shall mean intimation of loss communicated to the Insurer verbally / telephonically followed by written communication.
- 1.20 **'SURVEYOR'** shall mean, the Independent Loss Assessor appointed by the Insurer with the consent of Insured to assess the loss within the frame work of MOU and policy document only. Insurer has to provide a Panel of Surveyors with their credentials to BHEL for approval after placement of order on them.



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- 1.21 **'SINGULAR' and 'PLURAL'** etc. Words carrying singular number shall also include plural and vice versa where the context so requires. Words imparting masculine gender shall be taken to include the feminine gender and words imparting persons shall include any Company or Association or Body of Individuals, where incorporated or not.
- 1.22 **'HEADINGS'** The headings in these General Conditions are solely for the purpose of facilitating reference and shall not be deemed to be part thereof or be taken into consideration in the interpretation or construction thereof or the contract.
- 1.23 **'MONTH'** shall mean calendar month.
- 1.24 **'WRITING'** shall include any manuscript, type written or printed statement under the signature or seal as the case may be.
- 1.25 **'FIRM ESTIMATES'** shall mean the estimates provided by BHEL after a thorough review of damage and the work involved in bringing the goods / Plant / Machinery / equipment / other materials and consumables in its original condition as it was just prior to the accident/mishap.
- 1.26 **'FACILITIES'** shall mean Plant and Equipment to be supplied and installed, as well as all the installation services to be carried out as per contract.

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SECTION III

SPECIAL CONDITIONS OF CONTRACT

1.0 OVERALL SCOPE OF THE POLICIES:

Scope of these specifications cover issuance and servicing of

1. Marine and Storage-cum-Erection (SCE) Policy

The above policy shall be for providing Cover on "ALL RISKS" basis in the best interest of "insured" POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED (100% SUBSIDIARY OF POWERGRID) – A/C BHEL) against physical loss or damage to the subject plant and machinery insured in consideration of premium paid, thereby protect the "Insured" (POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED – A/C BHEL) by providing indemnity or make good of the loss in monetary terms against all uncertain contingencies.

This cover i.e. MCE Cover can be arranged in the joint names of **POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED(100% SUBSIDIARY OF POWERGRID)** and BHEL, covering interests and risks of **POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED(100% SUBSIDIARY OF POWERGRID)** as the principal, BHEL- TBG as the Contractor and including all the sub-contractors employed by BHEL.

The scope of work to be executed by BHEL, TBG is indicated elsewhere in the tender enquiry.

The risk Coverage under the policies so issued by the "Underwriter" shall be applicable from the start of movement of goods/ consignments are lifted, mechanically or manually, from anywhere in India, for loading onto the transport (all modes included) and remain in force during transit up to the site of erection, unloading and storage at site and at port cities for bonding and/or allocation to vendors for fabrication jobs etc, during hold ups due to procedural delays and transportation bottlenecks or clearance by various agencies, handling/ shifting of goods/ consignments for the purpose of assembly, erection, testing and commissioning and until completion of dismantling, erection, testing, commissioning and initial operation of all connected systems in respect of equipment covered and during extended warranty period. Basically "All Risks" arising out of the following perils shall deem to have been covered under the policy.

In brief but not limited to, the following shall be covered under the policy.

Location Risks: such as Fire, Lightning, Theft, Burglary, Pilferage, Short delivery, Non delivery, Breakage etc.

Handling Risks: such as Impact of falling objects, Transportation, Collision, failure of cranes, Denting, Bending, Tearing, Bursting etc. whether caused by BHEL itself, its sub-contractors, customers or other parties.



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- Operation/Maintenance:** such as Failure of safety devices, Leakage of electricity or water, Insulation failures, short circuits, Tearing apart on account of centrifugal forces, entry of foreign material/ substances, explosion, fire while carrying out welding / gas cutting, damage to plant & equipment under erection and surrounding properties of the owner etc.
- Risks of Human:** such as Carelessness, Negligence, Faults in Element Erection, RSMD (Riot, Strike, Malicious Damage), SRCC (strike, riots, civil commotion), terrorism etc.
- Acts of God:** such as Storm, Flood, Tempest, Hurricane, Inundation, Subsidence, Land slide, Rock slide, Earthquake.

The Marine policy shall include the following conditions also without any extra premium :

- 1) All risk institute cargo clause 'A'
- 2) Air freight cover
- 3) Institute replacement clause, special replacement clause (Air duty) and deferred unpacking clause.
- 4) Insurers right of subrogation against all parties (excluding carrier) waived.
- 5) Installation risk, RSMTD
- 6) Warehouse to warehouse basis
- 7) War, SRCC terrorism.

1.1 BASIS OF SUM INSURED :

The "Sum to be insured" is the value of the goods / Plant / Machinery / equipment / other materials and consumables dispatched from BHEL Units / Divisions and their Vendors/suppliers in India and abroad at the time and condition it was just prior to the accident/Mishap. It is the duty of the "underwriter" to put back the "insured" POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED A/c- BHEL) in the same position as was prior to the accident/ mishap.

1.1a) Marine Cum Erection cover:

- 1.1a.1) Marine Cover**
- i) 120% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST.
 - ii) Applicable taxes & duties plus packing & forwarding plus freight plus all other expenses.

1.1a.2) Storage, Erection, Testing Cover

105% of the Ex-works value in case of plant & equipment including all spare parts to be supplied from abroad and/or manufactured within the employer's country along with



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applicable taxes and duties plus packing & forwarding plus freight plus all other expenses plus 100% of erection price component.

storage, erection and testing which, inter-alia, includes:

- Erection, Testing and Commissioning Charges including SCE Insurance, including supervision and other incidental services by Vendors and BHEL Units/divisions.
- Testing period of **One month**
- Temporary civil works covering project office building, storage sheds, storage yard.
- Project Office Buildings and all office equipment and furniture
- Enabling facilities like temporary roads, temporary lighting, Construction Power Distribution Network and construction water etc.
- Miscellaneous Erection and testing expenses.
- Cost of material handling at site.
- Cost of contingencies such as requirement of foreign experts at site in case of damage/ loss to connected plants.
- Cost of lubricants, consumables.
- Supervision charges for BHEL engineers.
- Permanent Civil Works such as Buildings, Foundations, earthwork including materials for the construction thereon.
- Free Issue Materials

Should there be any act of "addition" or "omission" of the factors on the part of the "insured" which in the opinion or in view of the "underwriter" is "not required" or "required to be accounted for" the same shall be brought to the notice of the "insured" before Submission of Offer to enable BHEL clarify the matter, failing which BHEL will not accept rejection/ short settlement of claim.

1.2 PROCEDURE FOR CLAIM SETTLEMENT

1.2.1. The underwriter will put in place such a claim procedure that is positive prompt transparent and targets for 'zero' pendency status. Towards this end the underwriter will endeavour to educate the BHEL officials w.r.t. procedures and documentation requirement. A joint meeting between potential surveyors, underwriters and BHEL will be organized at the time and place suggested by BHEL for discussing this matter. The underwriter will take a fortnightly report from the surveyor to ensure the success of the procedure and keep BHEL posted.

1.2.2 The Insurer shall immediately depute or authorize the Insured to call a surveyor(s) from the approved panel but not later than 2 working days of receipt of intimation from the Insured in exceptional cases.

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- 1.2.3 The surveyor shall call for all the documents in support of claim in one go but not in piece meal manner for expeditious settlement of claim, preferably at the time of visit or within 3 days thereafter.

If for any reasons BHEL does not respond/ provide all the particulars required by the surveyor, the insurer or surveyor as the case may be shall remind within 2 weeks in writing the site with a copy to their BHEL TBG Headquarters. In exceptional situations copy may be sent to this office also.

- 1.2.4 The surveyor shall send his findings to the Insurer within 15 days of his getting documents.

- 1.2.5 In case the claim is not found tenable or not settled for the claimed amount, The insurer will seek the comments of BHEL within a week of receiving the survey report. The final view shall be taken within 15 days of receipt of reply.

In normal circumstances the claim has to be settled within 30 days from the date of first information, net of the time taken by BHEL for responding to surveyor's/ underwriter's comments.

- 1.2.6 In order to minimize the procedural formalities and in view of the insignificance of amount w.r.t. the project size, all the Marine claims up to Rs. 20,000 over and above the excess/ deductible will be settled on the basis of statement signed by two officials of BHEL.

1.3 EXTRA PREMIUM:

Underwriter to Indicate

- i. Rates for extension of Erection and Testing period. Rates must be inclusive of Premium for Add-on covers.

IMPORTANT NOTE:

- a) The premium rates should be quoted net of discount and exclusive of service tax.
b) No subsequent increase in premium rate during entire policy period will be allowed.

2.0 EXCESS/ DEDUCTIBLE

For Marine Cover:

- 0.25% of consignment value subject to minimum of Rs 20,000/-.

For Installation all risks:

- For Storage/Erection Cover: 5% of the claim amount subject to minimum of Rs. 5,00,000 in respect of each and every loss.

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- For Testing Period : 5% of the claim amount subject to minimum of Rs. 20,00,000 in respect of each and every loss.
- Act of God Perils: 10% of the claim amount subject to minimum of testing period excess and an upper limit of Rs. 5 crores in respect of each and every claim.
- Fire / Explosion Claims: Minimum Excess as per Tariff

3.0 SELF-SURVEY LIMIT:

For all claims this limit will be **Rs. 20,000** over and above the excess applicable.

4.0 DOCUMENTS FOR REPLACEMENT / REPAIR COST.

The contract price is the sale price agreed with POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED. The cost includes production, procurement, erection cost plus taxes and other expenses. The items supplied to site are billed by BHEL progressively based on notional/pro-rata rate. The amounts in the invoices to POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED/Excise Gate Pass are based on such pro-rata/ notional rates. In the event of a loss, replacement / repair cost will be furnished by BHEL through Cost Certificates reflecting actual cost/expenses inclusive of expenses incurred on visit of officials/ experts (including foreign experts) as well as testing charges, if any, and the supervision cost by BHEL engineers to site. The claims shall be settled on the basis of cost indicated in the Cost Certificate by concerned BHEL Units and the site office that carry out such repair/replacement.

Excise and Taxes / Duties will be payable by the underwriter based on actuals, which shall include payment or reversal of the same.

5.0 CHARGES FOR SUPERVISION, REPAIRS / RECTIFICATION: It is usual that certain repairs / rectification works arise due to damages to consignments. Repairs/ rectification may be carried out by BHEL or at their Sub vendor's works under the supervision of BHEL Engineers. The expenses so incurred including testing charges, along with BHEL supervision charges are to be borne by the underwriter. For this purpose cost certificate will be issued by the unit. Supervision at site if applicable for erection etc., will be paid. This will apply to damage to items at any stage i.e. transit, storage, erection & testing and maintenance.

In certain cases, the site may call the technicians/ Engineers from Manufacturing Units /their vendors for repairs/ rectification. The expenses incurred on repairs/ rectification includes supervision charges of BHEL, cost of materials, labour, machining and testing charges (if any) etc. For this purpose, the supervision charges of BHEL engineers are taken on Man-day rate basis less 10% as applicable for site as per prevailing Head Office/ Corporate office circular at the time of repair/rectification. These Man-day rates are subject to revision every financial year. The same shall be reimbursed by underwriter in the event of claim. However,


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the number of days for which the supervision charges are to be reimbursed shall be determined by mutual discussion between BHEL and the surveyor.

6.0 CHARGES FOR MATERIAL PROCUREMENT

- 6.1 In case BHEL procures any materials on behalf of supplying units, the procurement cost shall also be payable by the underwriter.

7.0 INTEREST ON DELAYED PAYMENTS:

- 7.1 The Underwriter shall settle all claims within 30 days from the date of submission of Final Claim Bill accompanied by necessary documents. List of such necessary documents shall be furnished for each type of claim by the underwriter at the time of start of the Policy. Any delay in settlement of claims beyond 30 days, shall attract a penal interest at **TWO** percent above the ruling Bank rate of interest for the period of delay (Ref. Insurance Regulatory and Development Authority Notification dated 26th April 2002)

8.0 ON-ACCOUNT PAYMENTS AGAINST CLAIMS:

- 8.1 In case of net claims exceeding Rs. 10 Lakhs, BHEL will move the papers for On-Account payment. The Underwriter shall promptly make an on-account payment of major value of the claim on the basis of firm estimates provided by BHEL. The on-account payment shall be made within one week from the date of providing the firm estimates by BHEL, without waiting for detailed documents related to the claim.

- 8.2 The balance amount of the claim shall be settled and paid within 21 days after submission of all relevant documents.

The insured will give required relevant document to the extent possible for settlement of claims. However in case of non-availability of required documents Insurer will settle the claims based on the market information and engineering estimates. In short the emphasis should be on the spirit of indemnity and not on procedures.

9.0 THEFT / PILFERAGE CLAIMS:

- 9.1 The security / watch and ward arrangement in the project is in the purview / scope of the owner who has engaged his own security for the watch and ward of the project. Theft / pilferage are reported to them as per procedure. As for filing report with police is concerned, sending information to the police by registered post will be considered adequate in case FIR cannot be lodged with Police. In case the final report cannot be obtained, indemnity bond will be furnished which shall be acceptable to the underwriter. However, the complaint so lodged with the security agency for such stolen items will be with brief description of the item and other details such as weight, value and exact time of


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notice of loss where available shall form the basis for settlement of claims by the Underwriter.

10.0 DEPUTATION OF SURVEYORS:

- 10.1 Within a reasonable time from the commencement of Policy the Underwriter shall discuss and furnish the list of surveyors containing their relevant details. Normally surveyors from that list only shall be deputed. BHEL reserves the right to review the list and can ask the Underwriter - not to depute a particular surveyor in case BHEL management feels that his deputation may jeopardize company's interest.
- 10.2 The Underwriter shall depute the surveyor within 2 working days on receipt of the intimation of the occurrence of the accident. In the event of any delay in deputation of surveyor; BHEL reserves the right to engage any other surveyor from panel at the cost of the underwriter.
- 10.3 In case the surveyor causes undue delay, the underwriter will have to effectively and promptly intervene to expedite the process or to change the surveyor. In case surveyor loses the documents or does not pass them to the underwriter for any reason, photocopy will be asked from BHEL and the same shall be acceptable as if these are original papers.
- 10.4 The underwriter shall provide a copy of the survey report to BHEL if and when asked for. The surveyor shall be advised by the underwriter to directly submit his report on the causes and ways to avoid losses in future. However, BHEL will not pay any remuneration in this behalf. Potential reduction of claim due to such analysis will help to reduce the future claims

11.0 ESTABLISHMENT OF SITE OFFICE:

Underwriter shall either establish his site office at the Project site or make available a knowledgeable authorized representative, who shall be responsible for managing the day-to-day affairs pertaining to the claims. He shall also guide BHEL and expedite the settlement of claims apart from interacting with the external agencies. He shall also act as a catalyst, organize the visit of surveyors to site timely and arrange to settle the claims expeditiously. All expenses with regard to the above will be to the account of Underwriter. The representatives should be placed at such a location that he can reach the site within a day's time of getting the call. He will also be required to go to the site regularly, periodicity of which will be decided in consultation with the site management.

12.0 PROGRESS REPORTING AND REVIEW:

- 12.1 The Underwriter shall submit progress reports regarding the status of claims settled & pending for settlement, premium received and the claim amount settled etc. as and when called for. Periodic progress review meetings will be held at site/HQ during which the

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status of all the pending claims will be discussed and action plan drawn to liquidate the pending claims. The Underwriter shall depute their senior representative to attend such meetings, who are empowered to take spot decisions in respect of settlement of claims, whenever feasible. They shall also constantly update/review their work program to match the liquidation of pending claims vis-à-vis scheduled site/contract closing program.

13.0 PURCHASE PREFERENCE TO CENTRAL PUBLIC SECTOR UNDERTAKINGS:

If applicable, purchase preference shall be given to Central Govt. PSU organizations involved in Insurance business as per the Govt. of India guidelines in this regard.

14.0 MARINE/TRANSIT POLICY:

This policy intends to cover the following:

- a) To cover all goods, plant and machinery, equipment, tooling, instruments and other materials required for project construction including items brought in and sent back for repair/ rectification/ testing by any mode from anywhere in India to the site. However, if required for fabrication/ testing etc, materials can be diverted to other locations also. **It may be noted that BHEL will wait for 48 hours for the surveyor to conduct inspection of damaged items. If the surveyor, after intimation, does not come within 48 hours, the items will be sent for repair. After that BHEL inspection report will be accepted by the surveyor/ underwriter for settling claim.**
- b) Basically "All Risks" (including loading-unloading risks, pilferage, physical loss or damage burglary, theft, Non-delivery) in the Institute Cargo Clauses – A /ITC- A. The imports will be covered for war risks also and the transit within India for SRCC.

However, the following may be noted :

- A Underwriter to ensure and confirm that the scope of cover for the Marine / Transit Risks is comprehensive except for a few Internationally accepted "Exclusions" followed by all underwriters in the world.
- B The underwriter to indicate clearly any exclusion of the Risks not covered in the Policies to avoid any dispute at a later date. In the event of any ambiguity in his proposal with regard to this aspect, the interpretation of the "Insured" shall be final and binding on the "Underwriter". BHEL is absolved of any loss on this account.
- C The underwriter shall not attempt to avoid any unforeseen eventualities , which may arise during transit and allied storage and keep the facts in consideration while settling the claims.
- D. The marine policy will cover all modes of possible transports like rail, road, boat /barge, ship, parcel, courier, post etc. Transportation may be either by single mode or combination of 2/3 modes. Any intermediate storage will also be covered (No time bar for intermediate storage)

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- E. The marine cover will be valid for all inland dispatches. Regarding imports, the cover will be only valid for equipment being sent abroad for repair/replacements and brought back.

F. MARINE/ INLAND TRANSIT COVER OF DAMAGED/ REPAIRED ITEMS

In the event of any Mishap/ accident during transit, execution, testing and trial operation of the plant, it may become necessary that the damaged equipment/ items may have to be sent from site to supplying unit/ vendors for investigation, repair, rectification, replacement of components, testing etc. The duly repaired equipment/ items subsequently will be dispatched back to site. Marine/ Inland transit cover for "to and fro" is also covered under the scope of the insurer. The Sum Insured of Indigenous Items to be sent for repair /replacement and brought back is mentioned elsewhere in the Tender Enquiry. The quoted rates will be applicable for any additional requirement.

14.1 Basis of Valuation of Loss for Claim Settlement under Marine Cover:

Marine claims shall be settled as per the loss assessment method as described under

- **Indigenous equipment:** Ex-works cost plus all actual expenses till it reaches Site
- **Imported items:** Invoice price plus all actual expenses up to port of landing in India plus duties and taxes plus all expenses incurred within the country plus either 5%, or actual transportation cost whichever is higher.

14.2 STORAGE DURATION UNDER TRANSIT COVER:

The underwriter shall keep the transit/ Marine cover operative as under without any extra premium.

"60 days beyond applicable duration clause."

Storage of project material at any intermediate location out of logistic compulsions in the ordinary course of transit will be covered under the Marine Policy. In this storage which is not customary, Marine Policy excess shall apply.

14.3 DAMAGE / SHORTAGES IN SOUND BOXES:

Damages/ shortages found in sound boxes (damage apparently not visible) beyond self-survey limit, only a Panchanama will be prepared by the insured for settlement of the cost of damaged / shortage items. These damaged / shortage items will be replaced by Manufacturers / suppliers at replacement price. It may not be feasible to indicate for individual items the original price for replacement items. The underwriter shall on the basis of panchanama settle such claims in full. No other document in this regard can be made available. In case of shortage noticed in sound boxes, the Open Delivery Certificate for

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transporters should not be demanded. However, the recovery rights will be protected. This will be applicable for both inward as well as outward consignments. Time limit for claim intimation from the date of arrival shall be as follows:

- | | | | |
|------|-----------------------------------|---|-----------|
| (i) | Shortage/ damage in sound boxes | - | 12 months |
| (ii) | Shortage/ damage in damaged boxes | - | 30 days |

14.4 Transfer of Title of the Goods

If as per contract, it is the responsibility of the BHEL to ensure safe delivery of goods to the customer, passing of title on high seas or sale in transit will not affect the insurance coverage and the policy will remain in force as if title has not been passed.

15.0 CLAIM RELATED STIPULATIONS:

15.1 CHARGES FOR SUPERVISION, REPAIRS / RECTIFICATION: It is usual that certain repairs / rectification works arise due to damages to consignments. Repairs/ rectification may be carried out by BHEL or at their Sub vendor's works under the supervision of BHEL Engineers. The expenses so incurred including testing charges along with BHEL supervision charges are to be borne by the underwriter. For this purpose cost certificate will be issued by the unit. Supervision at site if applicable for erection etc., will be paid. This will apply to damage to items at any stage i.e. transit, storage, erection & testing and maintenance.

15.2 It is normal practice to dispatch heavy structural and materials in open wagons where the RR is issued on **"SAID TO CONTAIN"** basis from the originating location. In case of any loss to such consignments, claims will be settled for 100 % value.

15.3 The materials dispatched by rail from Manufacturers/Suppliers warehouse are first brought to the "Rail head"/nearest railway siding which is a transfer point, where railways shall hand over delivery of consignment. From this point the consignment /goods are transported by rail to the Railway siding of the site. Actual verification of materials shall take place at the Railway siding at the time of physical delivery. Since the transit cover is from Warehouse to Warehouse basis, any losses/ damage occurred during entire process of transit shall be covered & marine claim shall be settled for 100% value.

15.4 In case consignment comes through road carriers, written statement of observations of condition of consignment i.e. shortage/damages recorded and signed by lorry driver over the challan/ delivery certificate and duly counter signed by BHEL representative shall be honoured. The Insured will serve a formal notice of monetary claim on the carriers by Registered letter and produce the receipt issued by Post Office. No further shortage/damage certificate shall be asked by the Insurer for claim settlement. The letter will only be a demand to make good the loss and it will not contain a threat to go to the court in case transporter does not do so.

15.5 In case, claim is considered to be non-standard claim because of not getting damage/shortage certificate from carriers in spite of all the efforts (i.e. sending Notice


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through Reg. AD), Insurer shall settle such claims to the extent of 90% irrespective of claim amount. For other situations warranting under-settlement of the claim, the bidder will give in a separate statement forming part of the Techno-Commercial bid, the percentage of deduction underwriter proposes to apply. Once agreed to by us, this will form part of the MOU. However, it will not form part of evaluation formula.

15.6 The claim intimation for shortage/ damage under this category can be sent by the consignor or the consignee regardless of who suffer the loss.

15.7 DEPUTATION OF WAGON / CARRIER TRACERS : It is the responsibility of the "Underwriter" to appoint wagon/ carrier tracers immediately on receipt of notice of the claim from BHEL in the event of "Non delivery" of goods /consignment. The goods/ consignment to be traced and delivered within a period mutually acceptable keeping in view the erection/commissioning schedule. If there is delay in doing so, which in the opinion of insured will delay the project schedule, the underwriter is to admit the replacement cost together with all the additional expenses incurred for arranging the replacement together with all costs incurred at site to expedite the connected erection and commissioning activities to meet the schedule. The consignment traced beyond the mutually agreed period will not normally be accepted by BHEL.

On the basis of non-delivery certificate/BHEL's notice to carriers , the original consignment, if received subsequently will be intimated to the Underwriter for taking charge of the same without any implication on the settled claim.

16.0 Value of Single largest consignment & PBL

Following are the details of largest insured value consignment.

Neemuch: Rs.23.60 Cr (1 Nos 500MVA Transformers)

Mandsaur: Rs.0.98 Cr (8 Nos 400 kV Isolator)

Chittorgarh: Rs. 1.14 Cr. (3 nos 400 kV Circuit Breaker).

17.0 STORAGE, ERECTION & TESTING COVERS (INSTALLATION ALL RISKS COVERS):-

17.1 Underwriter to ensure and confirm that the scope of cover for the "Risks at site during Storage Erection & Testing" is comprehensive except for a few Internationally accepted "Exclusions ". All underwriters will submit the list of these exclusions and the successful bidder will apply only those which are included in the list of all underwriters.

17.2 The Underwriter to indicate clearly exclusions of the Policies to avoid any dispute at a later date. In the event of any ambiguity in his proposal with regard to this aspect, the interpretation will be done to the advantage of the insured.

17.3 Covers shall include all risks in the course of movement of goods, Storage at site, Pre-assembly, Erection, Pre-commissioning, Commissioning and **Initial operation of individual equipment** including trial run. Bidders can go through the relevant portion of said contract if they so wish. However, for the reason of confidentiality copy cannot be provided.

17.4 Erection Cover :



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- All activities till Erection of complete unit & completion of the facilities shall continue under the erection cover.
- In case the plant after synchronization is under shutdown for attending to commissioning problems, the period of shutdown shall be considered as erection period.
- The operation of any individual equipment / system and Reliability run test prior to completion of facilities will be covered and considered as erection cover.

17.5 Testing Period Cover :

The testing period cover or cover during testing period will be till the completion of commissioning.

Pre commissioning, commissioning, Completion of facilities are as described below:

Pre commissioning :-After erection of each item of equipment and duly inspected by both the parties for correctness and completeness, the necessary standard, pre-commissioning tests including those required by the consultants will be carried and unit will be taken for commissioning.

Commissioning:-The contractor shall put the subsystems and systems of the project into successful operation for 30 days continuously without any interruption according to the required load of the network.

Completion of facilities: - facilities have been completed operationally and structurally and put in a tight & clean condition and that all work in respect of pre commissioning of facilities or specific part thereof has been completed; and commissioning has been attained.

17.6 DEFECT LIABILITY PERIOD COVERAGE REQUIRED (as per Contract document):

The Defect Liability Period shall be as under:

Twenty Four (24) months for **(132kV/220KV/400kV/765kV class) Transformer/Reactor/Current Transformer/ Capacitive Voltage Transformer / Circuit Breaker** from the date of Taking Over /Completion of Facilities (or any part thereof). For the purpose of this clause, the Measurable Defects as per the Technical Specifications shall also be considered for **Transformer/Reactor/Current Transformer/ Capacitive Voltage Transformer / Circuit Breaker**.

- 8.0 PERIOD OF COVER:** The cover for MCE policy will start either from the date of dispatch of first consignment of unit material separately or the date of payment of 1st installment premium whichever is later. However, all consignments/ work done till date of commencement will be jointly inspected by the insurer and insured and damages/ losses already suffered will not be to the account of the insurer. However, all consignments starting from supplier's work on or after the date of premium will be deemed to have incurred under this policy even if received at site after the date of above referred joint inspection. The insurer will refund pro-rata premium based on the value of the consignment received till the commencement of the policy. Once inspection is done, consignee will be considered to have been insured under this policy for all purposes.

(A) Commencement of Marine Policy Period:

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The cover for MCE policy will start either from the date of dispatch of first consignment of each unit materials separately or the date of payment of 1st instalment premium for MCE cover whichever is later.

(B) Commencement Storage Cum Erection Policy:

The risk for each project will commence from the date of arrival of first consignment at site/ start of physical work/storage at site or payment of premium whichever is later.

(C) Commencement of the Testing/Commissioning Period:

The testing period shall start after completion of all pre-commissioning activities (which shall mean erection and testing of individual equipment/ system/ sub-assemblies individually and/ or in the group) in a manner that results in trial/initial operation of the facilities or any part thereof. Any earlier synchronization, if any, will be considered as erection period.

19.0 PREMIUM FOR EARTHQUAKE.

Earthquake Premium, if any, is to be indicated in the price bid in the appropriate column.

20.0 ADD-ON COVERS (Please refer enclosed contract document)

In addition to the add-ons that may be available for projects as per market conventions as well as the ones that bidders may offer (which may be mentioned in the list of all add-ons available free of cost). BHEL wishes to cover the following, without extra premium.

- a) 50/50 clause
- b) 72 hours clause
- c) Free automatic reinstatement clause up to 10% of the Sum Insured.
- d) Loss minimization expenses.
- e) Professional fees
- f) Cross liability cover
- g) Design defect
- h) Waiver of contribution clause
- i) Damage due to falling objects
- j) Cost of reproducing/ reacquiring information up to 10,000 US\$ (in equivalent Indian Rupees)
- k) Amendment in fire fighting endorsement wordings.
- l) Debris removal up to Rs. 50 lakhs
- m) Expediting cost including Air freight & Express freight (Up to 30% of net claim amount)
- n) Fragile Items like glass, insulation, refractory, insulators, mineral wool mattress, fire bricks etc.(in boxes or loose as may be) - with Sum Insured upto Rs. 2 crores
- o) Waival of Subrogation Clause
- p) Property belonging to or held in the care, custody or control of the insured up to a value of Rs. 2 crores
- q) Inland transit up to a value of Rs. 2 crores to cover movement / transit between one part of site & other part of site including movement from / to off-site storage spanning over public road in between


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- r) Civil Engineering Works – To cover the risk of loss or damage to the property brought on to the Site of Erection for the performance of the contract, as follows:-
- s) All permanent Civil Engineering Works such as buildings, foundations, earthwork including materials for the constructions thereon
- t) All temporary civil works such as buildings, sheds
- u) Cover for offsite storage/fabrication (over Rs.100 crores)

21.0 Endorsements for Free Covers and Discounts

The underwriter is to separately incorporate the free covers and discounts in the form of endorsement attached to the policy.

22.0 Other important conditions/points to be noted by the tenderers and necessarily agreed

- 22.1 Supervision is included in the sum insured and accordingly the supervision charges shall be paid while settling the claim. Replacements claims will be settled based on the certificates/invoices for the Replacements from BHEL's supplying units who are the suppliers.
- 22.2 If the taking over period is completed prior to the policy period, insurer shall refund proportionate premium.
- 22.3 If the testing period included is not fully consumed during the normal policy period or extended period, the same shall be taken into account during further extended period and extensions arranged accordingly.
- 22.4 Division/ Branch of the underwriter shall be chosen by BHEL.



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**POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED FOR 400/220 SUBSTATION AT NEEMUCH,
Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S**

ANNEXURE-I

DEVIATION STATEMENT

(Pl. strike off the clause which is not applicable and ticks the other)

1. THIS IS TO DECLARE THAT WE DO NOT HAVE ANY DEVIATIONS IN THE STIPULATIONS OF YOUR TENDER AND ACCORDINGLY ACCEPT ALL THE STIPULATIONS WITHOUT ANY RESERVATIONS WHATSOEVER.

OR

2. THE FOLLOWING DEVIATIONS ARE BEING TAKEN:

- a) Para no..... section
- b) Para no..... section
- c) Para no..... section
- d) Para no..... section

I, _____ hereby certify that except the deviations mentioned above, we do not have any other deviations to the tender no. BHEL: CO: FIN: INS: NTL: 400/220 kV Neemuch/ Mandsaur/ Chittorgarh for 400/220 SUBSTATION AT NEEMUCH, Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S dated 12.01.2023. Deviations, if any, mentioned elsewhere in our bid (whether Techno-commercial bid or Price bid) may be treated as null and void by BHEL.

For and on behalf of underwriter

(Signature & seal of authorized signatory)



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authorized officials of Underwriter



**POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED FOR 400/220 SUBSTATION AT NEEMUCH,
Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S**

ANNEXURE - II

DECLARATION SHEET

I,

_____ hereby certify that all the information and data furnished by me with regard to this Tender Specification No. BHEL: CO: FIN: INS: NTL: 400/220 kV Neemuch/ Mandsaur/ Chittorgarh for 400/220 SUBSTATION AT NEEMUCH, Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S are true and complete to the best of my knowledge. I have gone through the specifications, conditions and stipulations in detail and agree to comply with the requirements and intent of specification.

I, further certify that I am the duly authorized representative of the under mentioned tenderer and a valid power of attorney to this effect is also enclosed.

For and on behalf of underwriter

(Signature & seal of authorized signatory)

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**POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED FOR 400/220 SUBSTATION AT NEEMUCH,
Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S**

ANNEXURE - III

**CERTIFICATE OF DECLARATION FOR CONFIRMATION OF IRDA/TAC
GUIDELINES**

I, _____

hereby certify on behalf of that our offer
no..... dtd.....against tender specification No. **BHEL: CO:
FIN: INS: NTL: 400/220 kV Neemuch/ Mandsaur/ Chittorgarh for 400/220 SUBSTATION AT
NEEMUCH, Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S** does
not breach of Insurance Act/IRDA/TAC and applicable guidelines. I further confirm that in the event
of disclosure at a later stage that the same is in breach and BHEL is put to any disadvantage or face
cancellation of the Policy or any claim becomes substandard/untenable, the whole liabilities arising
out of this shall lie wholly on us and will bear all consequences thereof.

I, further certify that I am the duly authorized representative of the underwriter and competent to
agree as above and a valid power of attorney to this effect is enclosed.

I, further certify that there is no tariff violation. In case some violation is pointed out at a later date,
the same shall be taken care of in line with clause 12 of Section I.

For and on behalf of underwriter

(Signature & seal of authorized signatory)



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**POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED FOR 400/220 SUBSTATION AT NEEMUCH,
Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S**

ANNEXURE IV

DECLARATION

We Will go for a suitable re-insurance arrangement and will furnish the details of re-insurance arrangement in the event of becoming a successful bidder. Re-insurance will be done with GIC in India and/or A+ rated international re-insurers.

For and on behalf of underwriter

(Signature & seal of authorized signatory)



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authorized officials of Underwriter



**POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED FOR 400/220 SUBSTATION AT NEEMUCH,
Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S**

Annexure- V

LIST OF INTERNATIONALLY ACCEPTED EXCLUSIONS

1.

2.

3.

For and on behalf of underwriter

(Signature & seal of authorized signatory)

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Annexure - VI

POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED FOR 400/220 SUBSTATION AT NEEMUCH,
Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S

**Discount in Premium to be allowed beyond Policy Period in case of
Claim Amount being less than the Premium already paid
(Not to be considered for Price Bid Evaluation)**

CLAIM RATIO	DISCOUNT OFFERED
Upto 10 %	
more than 10 % upto 30 %	
more than 30 % upto 60 %	
more than 60 % upto 100 %	

For and on behalf of underwriter

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Note: The above discounts offered by the bidders are not to be considered for Price Bid evaluation.



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**POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED FOR 400/220 SUBSTATION AT NEEMUCH,
Extension of 400kV Chittorgarh S/S and Extension of 400kV Mandsaur S/S**

ANNEXURE - VIIA

UNPRICED PRICE SCHEDULE For Neemuch

PRICE BID

SCHEDULE OF RATES

(INSURANCE FOR MARINE, STORAGE, ERECTION, TESTING & COMMISSIONING)

SN	Description of Cover	Cover period	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
				in figures	In words
1.0	Marine Cargo Main Plant & Equipment and type test charges including all spare parts manufactured within India (No Imports are envisaged). Sum Insured is inclusive of the following: a) 120% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties.	15 Months	119.12 Cr.	XXXXXXXX	XXXXXXXXXXXXXX

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2.0	SCE Cover / Installation all Risks: Sum Insured is inclusive of the following: a) 105% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties. c) Storage, Erection and Testing Cover for Main Plant Equipment (including Testing Period for 1 month) with Civil Works of Rs. 18.95 Cr. (including GST) & ETC Work of Rs. 4.46 Cr. (Including GST)	15 Months	129.55 Cr.	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX
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3.0	ADD ON COVERS	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
a)	Third Party liability including cross liabilities AOA/AOY-Rs.10 Cr. (for Neemuch) per occurrence. / 10% of EAR sum insured per occurrence for Chittorgarh & Mandsaur	Rs.10 Cr. (for Neemuch) per occurrence. / 10 Cr for single/multiple occurrences during the entire duration of Policy	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX X
b)	Surrounding Properties with FLEXA	10 % of the Policy Sum Insured	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX X
c)	Earthquake	Policy sum insured	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX X
d)	Terrorism (as per Indian pool)	Policy sum insured	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
e)	STFI	Policy sum insured	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX X

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f)	Extended Maintenance Cover (for 24 months beyond completion period of 15 months)	Policy sum insured	xxxxxxxxxxxxxx x	xxxxxxxxxxxxxx
g)	Escalation	10% of Sum Insured	xxxxxxxxxxxxxx	xxxxxxxxxxxxxx x

4.	GST	@18%	xxxxxxxxxxxxxx	xxxxxXXXXXX
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Total Premium [Sl. No. 1 to 4] (In Figures)

xx

Total Premium [Sl. No. 1 to 4] (In words)

xx

- (a) FEA discount may please be considered in view of availability of Fire Fighting systems inside the Plant premises
- (b) The Premium is to be quoted after applying discounts but before applying GST as applicable.
- (c) **The 100% premium of Terrorism cover will be paid up-front with the first instalment provided the same is mentioned separately by the bidders in the price bid subject to a maximum of the premium worked out in accordance with the rates of Indian Terrorism Pool after applying the discount in line with the Indian Terrorism Pool.**

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**UNPRICED PRICE SCHEDULE For Chittorgarh Ext.****PRICE BID****SCHEDULE OF RATES****(INSURANCE FOR MARINE, STORAGE, ERECTION, TESTING & COMMISSIONING)**

SN	Description of Cover	Cover period	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
				in figures	In words
1.0	Marine Cargo Main Plant & Equipment and type test charges including all spare parts manufactured within India (No Imports are envisaged). Sum Insured is inclusive of the following: a) 120% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties.	15 Months	11.24 Cr.	xxxxxxxx	xxxxxxxxxxxxxxxx

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2.0	SCE Cover / Installation all Risks: Sum Insured is inclusive of the following: a) 105% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties. c) Storage, Erection and Testing Cover for Main Plant Equipment (including Testing Period for 1 month) with Civil Works of Rs. 1.77 Cr. (including GST) & ETC Work of Rs. 0.75 Cr. (Including GST)	15 Months	12.54 Cr.	xxxxxxxxx	xxxxxxxxxxxxx
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3.0	ADD ON COVERS	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
a)	Third Party liability including cross liabilities AOA/AOY-Rs.10 Cr. (for Neemuch) per occurrence. / 10% of EAR sum insured per occurrence for Chittorgarh & Mandsaur	10% of EAR sum insured per occurrence for Chittorgarh for single/multiple occurrences during the entire duration of Policy	xxxxxxxxxxxxx	xxxxxxxxxxxxx x
b)	Surrounding Properties with FLEXA	10 % of the Policy Sum Insured	xxxxxxxxxxxxx	xxxxxxxxxxxxx x
c)	Earthquake	Policy sum insured	xxxxxxxxxxxxx	xxxxxxxxxxxxx x
d)	Terrorism (as per Indian pool)	Policy sum insured	xxxxxxxxxxxxx	xxxxxxxxxxxxx
e)	STFI	Policy sum insured	xxxxxxxxxxxxx	xxxxxxxxxxxxx x



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f)	Extended Maintenance Cover (for 24 months beyond completion period of 15 months)	Policy sum insured	XXXXXXXXXXXXXX x	XXXXXXXXXXXXXX
g)	Escalation	10% of Sum Insured	XXXXXXXXXXXXXX x	XXXXXXXXXXXXXX

4.	GST	@18%	XXXXXXXXXXXXXX	XXXXXX
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Total Premium [Sl. No. 1 to 4] (In Figures)

XX

Total Premium [Sl. No. 1 to 4] (In words)

XX

- (a) FEA discount may please be considered in view of availability of Fire Fighting systems inside the Plant premises
- (b) The Premium is to be quoted after applying discounts but before applying GST as applicable.
- (c) The 100% premium of Terrorism cover will be paid up-front with the first instalment provided the same is mentioned separately by the bidders in the price bid subject to a maximum of the premium worked out in accordance with the rates of Indian Terrorism Pool after applying the discount in line with the Indian Terrorism Pool.

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ANNEXURE - VIIC

UNPRICED PRICE SCHEDULE For Mandsaur Ext.**PRICE BID****SCHEDULE OF RATES****(INSURANCE FOR MARINE, STORAGE, ERECTION, TESTING & COMMISSIONING)**

SN	Description of Cover	Cover period	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
				in figures	In words
1.0	Marine Cargo Main Plant & Equipment and type test charges including all spare parts manufactured within India (No Imports are envisaged). Sum Insured is inclusive of the following: a) 120% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties.	15 Months	9.37 Cr.	xxxxxxxx	xxxxxxxxxxxxxx

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2.0	SCE Cover / Installation all Risks: Sum Insured is inclusive of the following: a) 105% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties. c) Storage, Erection and Testing Cover for Main Plant Equipment (including Testing Period for 1 month) with Civil Works of Rs. 2.36 Cr. (including GST) & ETC Work of Rs. 0.52 Cr. (Including GST)	15 Months	11.23 Cr.	XXXXXXXXXX	XXXXXXXXXXXXXXXXXX
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3.0	ADD ON COVERS	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
a)	Third Party liability including cross liabilities AOA/AOY-Rs.10 Cr. (for Neemuch) per occurrence. / 10% of EAR sum insured per occurrence for Chittorgarh & Mandsaur	10% of EAR sum insured per occurrence for Mandsaur for single/multiple occurrences during the entire duration of Policy	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX X
b)	Surrounding Properties with FLEXA	10 % of the Policy Sum Insured	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX X
c)	Earthquake	Policy sum insured	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX X
d)	Terrorism (as per Indian pool)	Policy sum insured	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX
e)	STFI	Policy sum insured	XXXXXXXXXXXXXX	XXXXXXXXXXXXXXXXXX X

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f)	Extended Maintenance Cover (for 24 months beyond completion period of 15 months)	Policy sum insured	XXXXXXXXXXXXX X	XXXXXXXXXXXXX
g)	Escalation	10% of Sum Insured	XXXXXXXXXXXXX	XXXXXXXXXXXXX X

4.	GST	@18%	XXXXXXXXXXXXX	XXXXX
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Total Premium [Sl. No. 1 to 4] (In Figures)

XX

Total Premium [Sl. No. 1 to 4] (In words)

XX

- (a) FEA discount may please be considered in view of availability of Fire Fighting systems inside the Plant premises
- (b) The Premium is to be quoted after applying discounts but before applying GST as applicable.
- (c) **The 100% premium of Terrorism cover will be paid up-front with the first instalment provided the same is mentioned separately by the bidders in the price bid subject to a maximum of the premium worked out in accordance with the rates of Indian Terrorism Pool after applying the discount in line with the Indian Terrorism Pool.**

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ANNEXURE - VII

Summary Unpriced Schedule

Sl. No.	Location	Amount Including GST
1	MCE Insurance for Neemuch SS (Total Premium Incl. GST)	XXXXXXXXXXXXXXXXXX
2	MCE Insurance for Chittorgarh SS Extension (Total Premium incl. GST)	XXXXXXXXXXXXXXXXXX
3	MCE Insurance for Mandsaur Substation extension (Total Premium incl. GST)	XXXXXXXXXXXXXXXXXX

Total Premium incl. GST for all the three policies/locations (In Figures)XXXXXXXXXXXXXXXXXX

Total Premium incl. GST for all the three policies/locations (In words)

XX

(Note this total premium amount is to quoted on GeM portal)

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authorized officials of Underwriter



Appendix I (Priced Appendix-I is required to be attached with each substation price bid)

1. As Tenderer at times commit errors of calculation, we are not asking for premium rates. These will be worked out subsequently. However, if a tenderer gives the same, it will be dealt in accordance with Point no. 6 of Section-I to the tender.
2. We will endeavour to give advance notice, as early as feasible, for extension and/or completion of a cover. However, no stipulation by the bidders for the minimum notice period will be accepted.
3. It is normal in case of a project that policy extension is sought by the insured. However, risk profile during such extension fundamentally remains the same.
4. The rate for extension beyond the policy period shall be specified by the Underwriter as below-

RATE FOR EXTENSION

Rate / Month in mille *

SCE Cover	XXXXXXXXXXXXXXXXXXXXXXX
Testing Cover	XXXXXXXXXXXXXXXXXXXXXXX

***SCE Cover Premium rate should be inclusive of premium for Add-on covers opted under the Policy.** The Premium rate is to be quoted after applying discounts but before applying service tax as applicable.

5. Bidders are required to specify as to what %age of premium they will be willing to offer during the extension of the policy depending on the claim experience in the Annexure VII.
6. It may be please noted that since 90% of the material would have been erected, premium on storage during extended period should be for the balance 10% of material only.



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BHARAT HEAVY ELECTRICALS LIMITED



TENDER SPECIFICATION FOR

MARINE-CUM-STORAGE-CUM-ERECTION INSURANCE

400/220KV NEEMUCH NEW SUBSTATION AND EXTN OF 400KV

MANDSAUR & CHITTORGARH SS in MADHYA PRADESH & RAJASTHAN

For

POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED (100% SUBSIDIARY OF
POWERGRID)

TENDER NO. BHEL: CO: FIN: INS: NTL: 400/220 kV Neemuch/ Mandsaur/ Chittorgarh

VOLUME – II

PRICE - BID

BHARAT HEAVY ELECTRICALS LTD.

CORPORATE FINANCE

BHEL HOUSE, SIRI FORT

NEW DELHI – 110 049.

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TENDER NO. BHEL: CO: FIN: INS: NTL: 400/220 kV Neemuch/ Mandsaur/ Chittorgarh dated 12.01.2023



**POWERGRID NEEMUCH TRANSMISSION SYSTEM LIMITED FOR
400/220 SUBSTATION AT NEEMUCH, Extension of 400kV
Chittorgarh S/S and Extension of 400kV Mandsaur S/S**

PRICE BID for Neemuch Substation

SCHEDULE OF RATES

**(INSURANCE FOR MARINE, STORAGE, ERECTION, TESTING &
COMMISSIONING)**

S N	Description of Cover	Cove r perio d	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
				in figures	In words
1. 0	Marine Cargo Main Plant & Equipment and type test charges including all spare parts manufactured within India (No Imports are envisaged). Sum Insured is inclusive of the following: a) 120% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties.	15 Month s	119.12 Cr.		



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2. 0	SCE Cover / Installation all Risks: Sum Insured is inclusive of the following: a) 105% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties. c) Storage, Erection and Testing Cover for Main Plant Equipment (including Testing Period for 1 month) with Civil Works of Rs. 18.95 Cr. (including GST) & ETC Work of Rs. 4.46 Cr. (Including GST)	15 Month s	129.55 Cr.		
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3. 0	ADD ON COVERS	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
a)	Third Party liability including cross liabilities AOA/AOY-Rs.10 Cr. (for Neemuch) per occurrence. / 10% of EAR sum insured per occurrence for Chittorgarh & Mandsaur	Rs.10 Cr. (for Neemuch) per occurrence. / 10 Cr for single/multiple occurrences during the entire duration of Policy		
b)	Surrounding Properties with FLEXA	10 % of the Policy Sum Insured		
c)	Earthquake	Policy sum insured		
d)	Terrorism (as per Indian pool)	Policy sum insured		
e)	STFI	Policy sum insured		



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f)	Extended Maintenance Cover (for 24 months beyond completion period of 15 months)	Policy sum insured		
g)	Escalation	10% of Sum Insured		

4.	GST	@18%		
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Total Premium [Sl. No. 1 to 4] (In Figures)

XX

Total Premium [Sl. No. 1 to 4] (In words)

XX

- (a) FEA discount may please be considered in view of availability of Fire Fighting systems inside the Plant premises
- (b) The Premium is to be quoted after applying discounts but before applying GST as applicable.
- (c) **The 100% premium of Terrorism cover will be paid up-front with the first instalment provided the same is mentioned separately by the bidders in the price bid subject to a maximum of the premium worked out in accordance with the rates of Indian Terrorism Pool after applying the discount in line with the Indian Terrorism Pool.**

Signature and seal of the Bidders





PRICE BID For Chittorgarh Ext.

**SCHEDULE OF RATES
(INSURANCE FOR MARINE, STORAGE, ERECTION, TESTING &
COMMISSIONING)**

S N	Description of Cover	Cove r perio d	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
				in figures	In words
1. 0	Marine Cargo Main Plant & Equipment and type test charges including all spare parts manufactured within India (No Imports are envisaged). Sum Insured is inclusive of the following: a) 120% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties.	15 Month s	11.24 Cr.		



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2.0	SCE Cover / Installation all Risks: Sum Insured is inclusive of the following: a) 105% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties. c) Storage, Erection and Testing Cover for Main Plant Equipment (including Testing Period for 1 month) with Civil Works of Rs. 1.77 Cr. (including GST) & ETC Work of Rs. 0.75Cr. (Including GST)	15 Months	12.54 Cr.		
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3.0	ADD ON COVERS	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
a)	Third Party liability including cross liabilities AOA/AOY-Rs.10 Cr. (for Neemuch) per occurrence. / 10% of EAR sum insured per occurrence for Chittorgarh & Mandsaur	10% of EAR sum insured per occurrence for Chittorgarh for single/multiple occurrences during the entire duration of Policy		
b)	Surrounding Properties with FLEXA	10 % of the Policy Sum Insured		
c)	Earthquake	Policy sum insured		
d)	Terrorism (as per Indian pool)	Policy sum insured		
e)	STFI	Policy sum insured		



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f)	Extended Maintenance Cover (for 24 months beyond completion period of 15 months)	Policy sum insured		
g)	Escalation	10% of Sum Insured		

4.	GST	@18%		
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Total Premium [Sl. No. 1 to 4] (In Figures)

XX

Total Premium [Sl. No. 1 to 4] (In words)

XX

(a) FEA discount may please be considered in view of availability of Fire Fighting systems inside the Plant premises

(b) The Premium is to be quoted after applying discounts but before applying GST as applicable.

(c) **The 100% premium of Terrorism cover will be paid up-front with the first instalment provided the same is mentioned separately by the bidders in the price bid subject to a maximum of the premium worked out in accordance with the rates of Indian Terrorism Pool after applying the discount in line with the Indian Terrorism Pool.**

Signature and seal of the Bidders



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Signature & Seal of the
authorized officials of Underwriter



PRICE BID For Mandsaur Ext.

SCHEDULE OF RATES

(INSURANCE FOR MARINE, STORAGE, ERECTION, TESTING & COMMISSIONING)

S N	Description of Cover	Cover perio d	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
				in figures	In words
1. 0	Marine Cargo Main Plant & Equipment and type test charges including all spare parts manufactured within India (No Imports are envisaged). Sum Insured is inclusive of the following: a) 120% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties.	15 Month s	9.37 Cr.		



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2. 0	SCE Cover / Installation all Risks: Sum Insured is inclusive of the following: a) 105% of Ex-works price of all the plant and Equipment including mandatory Spares to be supplied from within India plus GST. b) Applicable taxes & duties. c) Storage, Erection and Testing Cover for Main Plant Equipment (including Testing Period for 1 month) with Civil Works of Rs. 2.36 Cr. (including GST) & ETC Work of Rs. 0.52 Cr. (Including GST)	15 Month s	11.23 Cr.		
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3. 0	ADD ON COVERS	Sum Insured (Rs. in Crores)	Amount of Premium (In Rupees excluding GST)	
a)	Third Party liability including cross liabilities AOA/AOY-Rs.10 Cr. (for Neemuch) per occurrence. / 10% of EAR sum insured per occurrence for Chittorgarh & Mandsaur	10% of EAR sum insured per occurrence for Mandsaur for single/multiple occurrences during the entire duration of Policy		
b)	Surrounding Properties with FLEXA	10 % of the Policy Sum Insured		
c)	Earthquake	Policy sum insured		
d)	Terrorism (as per Indian pool)	Policy sum insured		
e)	STFI	Policy sum insured		



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f)	Extended Maintenance Cover (for 24 months beyond completion period of 15 months)	Policy sum insured		
g)	Escalation	10% of Sum Insured		

4.	GST	@18%		
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Total Premium [Sl. No. 1 to 4] (In Figures)

XX

Total Premium [Sl. No. 1 to 4] (In words)

XX

- (a) FEA discount may please be considered in view of availability of Fire Fighting systems inside the Plant premises
- (b) The Premium is to be quoted after applying discounts but before applying GST as applicable.
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Summary Price Schedule

Sl. No.	Location	Amount including GST
1	MCE Insurance for Neemuch SS (Total Premium incl. GST)	
2	MCE Insurance for Chittorgarh SS Extension (Total Premium incl. GST)	
3	MCE Insurance for Mandsaur Substation extension (Total Premium incl. GST)	

Total Premium incl. GST for all the three policies/locations (In Figures).....

Total Premium incl. GST for all the three policies/locations (In words)

.....
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(Note this total premium amount is to quoted on GeM portal)



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Appendix I separate for each sub-station

1. As Tenderer at times commit errors of calculation, we are not asking for premium rates. These will be worked out subsequently. However, if a tenderer gives the same, it will be dealt in accordance with Point no. 6 of Section-I to the tender.
2. We will endeavour to give advance notice, as early as feasible, for extension and/or completion of a cover. However, no stipulation by the bidders for the minimum notice period will be accepted.
3. It is normal in case of a project that policy extension is sought by the insured. However, risk profile during such extension fundamentally remains the same.
4. The rate for extension beyond the policy period shall be specified by the Underwriter as below-.

RATE FOR EXTENSION

Rate / Month in mille *

SCE Cover -

Testing Cover -

***SCE Cover Premium rate should be inclusive of premium for Add-on covers opted under the Policy.** The Premium rate is to be quoted after applying discounts but before applying service tax as applicable

5. Bidders are required to specify as to what %age of premium they will be willing to offer during the extension of the policy depending on the claim experience in the Annexure VII.

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It may be please noted that since 90% of the material would have been erected, premium on storage during extended period should be for the balance 10% of material only.



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