

Reply of Pre-bid Queries submitted by ABB for 33kV Gas Insulated Switchgear & 11kV Distribution Substation
Enquiry for Supply, Erection, Testing and Commissioning of 33kV Gas Insulated Switchgear & 11kV Distribution Substation

Sl. No.	Clause No.	Description/ Reference	Comments/ Deviations Proposed	Comments of IIT(BHU)
1	Cl:3.3	33kV Gas Insulated Switchgear	It is indicated that pressure relief duct is not required. We would like to inform that Pressure relief duct is highly recommended as per IEC. Since in case of fault hot gases needs to be released through pressure relief ducts. In case of absence of these it release of hot gases can damage the equipment of can hurt any person near the equipment.	Pressure relief duct as per Manufacturer. Standard practice is acceptable.
2	Cl:4.2	33kV Gas Insulated Switchgear	ABB shall offer its standard temperature compensated pressure relief device instead if IDIS as requested; Please note IDIS are specifically used by our competitors. Our design is different, hence we use different devices to full fill the requirement. Rest assured it shall not affect the customer application.	Shall be as per manufacturer's standard design.
3	Cl:4.2	33kV Gas Insulated Switchgear	ABB shall offer its standard voltage indication system instead of IVIS as requested; Please note IVIS are specifically used by our competitors. Our design is different, hence we use different devices to full fill the requirement. Rest assured it shall not affect the customer application.	Voltage indication system shall be as per standard manufacture's design.
4	Cl:5.3	33kV Gas Insulated Switchgear	Mech operation: Please not in case of mechanical operation present on door. It can be accessed by any untrained professional. Hence all mechanical operation are performed after opening main door.	Accepted& shall be as per manufacturer's standard design.
5	Cl:5.1 (e)	33kV Gas Insulated Switchgear	As indicated in Vol - II - section 8B - Cl:7, the two or three position disconnecter & earth switch will have a common shaft driven by a manual / motorized unit. As it is a combined unit, separate drive for disconnecter & earth switch is not possible & also it is not a safe solution.	Shall be manufacturer's standard design. Should be both manual & motorized.
6	Cl:5.3 & Cl:7	33kV Gas Insulated Switchgear	The On/Off of CB, Isolator & earth switch operation is possible through relay on the LV compartment door. But access of any mechanical parts / spring charging of CB & manual operation of isolator is possible only after opening the LV compartment front door.	Acceptable.
7	Cl:5.3 & Cl:7	33kV Gas Insulated Switchgear	Mimic (Semaphore indicators) provided in relay. All position indicators that are mechanically coupled with CB & Isolators can be viewed after opening the LV compartment door.	Shall be as per manufacturer's standard design.
8	Cl:5.3 & Cl:5.7	33kV Gas Insulated Switchgear	LV compartment is accessible from the front side of the panel. The power cable compartments that are accessed from the rear side provide better operator safety than front accessible design. Since access is only from the rear side, this design avoids any possible unintentional access of HV compartment parts. There need to be 800mm gap between the wall and the switchgear for access to cable compartment.	Shall be as per manufacturer's standard design. 1000mm. instead of 800mm. Gap is to be considered. No Gas handing at site.

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9	Cl:5.8	33kV Gas Insulated Switchgear	Please note that B-Link technology is design of our competitor, which we do not use. Our design is of Plug-In technology which is superior to the design requested by customer. Our design requires only two parts for making connection which is quick and more reliable. Whereas B-Link connection require many components to make connection and is time consuming.	Shall be as per standard manufacturing design.
10	Cl:9	33kV Gas Insulated Switchgear	Please note that we have offered provision for 2 runs of cable for Incomer and Outgoing.	One run cable will be terminated and one additional provision is required.
11	Cl:10	33kV Gas Insulated Switchgear	As power cable's are terminated at the rear side & not in the front side, the live line voltage indication system shall be mounted at the rear side of the panel & not on the front side.	Power cable termination at back is acceptable. Voltage indication system should be at front.
12	General Technical Requirement Cl: 4.71 (8 & 9)	33kV Gas Insulated Switchgear	Minimum creepage distance between ph to ph & ph to earth mentioned is for AIS & hence not applicable for GIS.	Shall be as per manufacturer's standard design.
13	Single Line Diagram	33kV Gas Insulated Switchgear	Kindly confirm the requirement, since in spec it calls for Single Busbar & in SLD Double Busbar. Kindly confirm.	Double Busbar system.
14	Single Line Diagram	33kV Gas Insulated Switchgear	Kindly confirm the rating of all the feeders as per spec the requirement is:INC: 1250AOG: 1250ABC: 1250AKindly confirm the requirement Busbar rating 2000A.	INC: 1250A OG: 1250A BC: 1250A Main Bus-Bar : 2000A
15	Single Line Diagram	33kV Gas Insulated Switchgear	In SLD line side 3 position switch is required. Kindly confirm the same. We suggest to keep the Line side disconnecter only in INC panels & rest OG feeders shall be w/o line side switch.	Pls. refer revised SLD
16	General	Soil data & Type of Foundation	Although, Soil investigation is in bidder's scope, we request you to kindly furnish preliminary soil data as specification is mentioning the type of foundation to be decided based on the final soil report. We need the preliminary soil investigation data to quote.	Bearing capacity = 10T/Mtr ² at 1.5 Mtr. depth. However, Soil test is required by the Agency for design.

Sl. No.	Clause No.	Description/ Reference	Comments/ Deviations Proposed	Comments of IIT(BHU)
17	General	Civil Works	There is no Item of Pile Foundation & Chipping of Concrete, testing of piles etc in case pile foundation are envisage at later on. Hence we request you to include all such possible items in the BOQ for us to quote and avoid hindrences later.	No Pile foundation. Chipping testing of Pile.
18	General	Civil Works	We understand construction water and power shall be free issued at one single point nearby site approx 100m and all further distribution shall be in bidder's scope of work. Kindly confirm.	Construction water 1% of Civil cost Electricity => as per actual consumption.
19	General	Civil Works	Kind confirm our understanding :1) Space for labour colony outside plant boundary but within vicinity of site shall be provided free of cost to us. 2) Similar Space for establishment of Cement Godown, outdoor store and site establishment shall be provided to us free of cost.	Accepted.
20	General	Civil Works	We request you kindly furnish contour drg and Proposed FGL planned as preliminary data for facilitating bidder's to quote. We clarify if levelling is part of scope of works.	As per present /existing G.L.
21	General	Civil Works	We request you to allow use of Ready Mix Concrete as well as design mix concrete & pl specify the minimum cement content require for design mix concrete.	400Kg/M ³ (Say M-25)
22	General	Civil Works	We understand our scope of works is limited to only buildings as specified in the BOQ. Other civil works are excluded from our scope of works. Kindly Confirm our understanding. We request you to send us the tentative drawings like dimensions/ elevations / Plan of the buildings in our scope.	OK Dimension/Architecture shall be as per requirement.
23	General	CRP & SAS	Please provide protection SLD for the complete requirement.	Only transformer differential protection to consider.
24	General	SAS	We shall offer 33kV protection as a part of the 33kV GIS. Likewise 11kV Protection shall be an integral part of the switchgear. Please confirm. We have not considered separate CRP for 33kV GIS. Please confirm the requirement.	RCS for 33KV GIS & RCS for 11KV Switchboard.

Sl. No.	Clause No.	Description/ Reference	Comments/ Deviations Proposed	Comments of IIT(BHU)
25	General	SAS	Kindly provide us the relays and energy meter make, qty and communication protocol to be considered to SCADA interface.	Existing detail for substation is enclosed.
26	General	SAS	As per specification the RCS calls for only 11kV side, kindly confirm remote control is not applicable to 33kV side.	RCS for 11KV& 33KV.
27	General	SAS	Communication Protocol : The communication protocol between the numerical relays/BCU/BCPU's and the proposed SCADA system shall be on IEC 61850 protocol.	ABB shall offer SCADA specification & architecture.
28	General	SAS	As per BOQ, the SCADA communication shall be connect for Foodscience, Vivekanand, Old IIT etc. Kindly provide us the details like which are all equipment's needs to integrate with SCADA system, IO list, Existing SCADA Details, Architecture and specifications. Kindly provide complete plot plan indicating all the locations for clarity as the requirement is not clear.	There is no existing SCADA but retrofit/relay to be changed with numerical. Relay having facility to Protocol as per IEC.
29	General	SAS	CRP and SCADA Specifications are not available in the specification. Request you to expedite the same for clarity and understanding enabling us to quote suitably.	ABB shall offer SCADA specification.
30	General	LT Panels	ABB doesn't offer small LT panels/ ACDB of panels. Hence we request you to include ABB system house and other LT panel builders in the makes list as per enclosed proposed makes list.	Make already specified in BOQ.
31	General	11kV & 33kV Cables	We request you to expedite detailed specification of 11kV and 33kV Cables.	Already attached.
32	General	6MVA Transformers.	We seek deviation to include additional makes as enclosed herewith.	Not considered at this stage.
33	General	6MVA Transformers.	Please review and confirm the tap changing range and steps for this transformer.	-10% to +10% with steps of 2.5
34	General, Page 48 of 65	Transformers.	Transformer rejection is not acceptable. In case of any defect other than that committed in the engineering stage GTP and drawings, the same will be rectified without any cost implication.	Rectification within agreed time frame is acceptable. But equivalent amount of B/G to be submitted.

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35	General, Page 48 of 65	Transformers.	No separate guarantee certificates will be issued at site. Contract document shall be indicate the warranty duration. Hence only valid type test reports will be submitted.	Guarantee period for all items is 36 Months.
36	General	Specifications	Specifications indicate 440V Power Control Centers, 440V Power Distribution Boards and Automatic LCP cum DB. However, BOQ indicates on LT AC Panel at DSS A as 1 No and No quantity is indicated against LT AC Panel at DSS B. Please elaborate and quantify the requirement.	Revised BOQ and SLD to forward.
37	Clause No. 1	11kV Switchgear	Kindly note our scope is limited to the Design, manufacturing and Ex- Works supply of the Switchgear. Dismantling, Installation Testing and commissioning shall not be in our scope. Please confirm.	Supply to site. ETC at site.
38	Clause No. 1	11kV Switchgear	Performance Testing is not envisaged for HT switchgear.	Type test Report. Routine test to be witnessed.
39	Clause No. 3.1.1	11kV Switchgear	Sheet Steel material - Offered Panels are made of Alluzinc material, which is corrosion proof. The sheet steel is coated with unique silvery spangle composed of Al (55%) Zinc (43%) and silicon (1.6%) for perfect harmony with steel. Alluzincsheet thickness shall be 2.0 mm. However front doors and end covers are made of CRCA sheet thickness 2 mm with special re-inforcement. The design has been type tested for full short circuit rating for internal arc resistance.	CB trolley should horizontally isolated and rack in / rack out type floor mounted. ALU zinc materials are also acceptable.
40	Clause No. 3.1.2	11kV Switchgear	Instead of Neoprene we will use EPDM gaskets.	EPDM gasket OK.
41	Clause No. 3.1.4	11kV Switchgear	Painting : We have offered panels made up of special material called "Alu Zinc". Alu Zinc is light in weight, has more strength, and extremely corrosion resistant compared to normal CRCA sheets and this does not require any surface treatment like powder coating. Panels shall be made up of Alu Zinc material except front doors & end covers which shall be painted sheet steel. We shall provide powder coated paint only for front doors and end covers, which shall be made of CRCA sheet. However, painting procedure and thickness shall be as per our standard procedure.	Agreed.
42	Clause No. 3.2.1.1	11kV Switchgear	Offered switchgear conforms to IEC 62271 -100/200. Mentioned standards are earlier standards which are replaced by the new IEC.	As per latest IEC :

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43	Clause No. 3.2.1.4	11kV Switchgear	Kindly note offered switchgear shall have distinct TEST/SERVICE position; However isolated position is indicative by the open door itself; hence no separate indication for the same is provided.	Accepted.
44	Clause No. 3.2.1.4	11kV Switchgear	Provision of checking contact wear is not available in our offered circuit breakers as interrupters are sealed for life time.	Accepted.
45	Clause No. 3.2.2.1	11kV Switchgear	We shall offer high conducting aluminum busbars. Please accept the same.	Copper Busbars are only acceptable.
46	Clause No. 3.12	11kV Switchgear	Following makes are propose from our side Analog Meter : AE / RISHABH Digital Meter : AE / RISHABH CT/PT : ECS / GEMENI/JSL Spring Charging Motor : ABB	CT/PT make as per Tender.
47	Clause No. 3.11	11kV Switchgear	Please advise the details and requirement of the remote control station as the same is not clear.	RCS Panel with TNC switch with ON/OFF indicator lamp for each feeder mounted in sheet steel with one TNC as spare as per existing at BHU.
48	Clause No. 3.10.2	11kV Switchgear	We shall provide 10% spare terminal blocks depending upon the availability of space in the metering compartments. However wiring will be done as per our standard manufacturing practice.	Agreed.
49	Clause No. 3.8	11kV Switchgear	We shall provide copper earth bus suitably sized to meet the panel specifications i.e. 30X6 Sq.mm for 26 kA.	Copper E/Bus should be for 26-kA& size 40 x 10 Sqmm.
50	Clause No. 3.6	11kV Switchgear	We request you to specify the communication protocol for protection relays.	As per IEC 61850 & as required.
51	Clause No. 3.4	11kV Switchgear	CT 's provided will be Wound/Slip On Type and Class of insulation for CT's and PT's shall be CLASS E; Please note that CT/PT burden, accuracy, ISF shall be as per manufacturer design constraints .The CT/PT ratio, burden, accuracy class etc. shall be supplied exactly as per our Bill of Material (BOM). Any variation in above shall be subjected to our specific confirmation and Price Implication.	CT/PT rating, burden accuracy shall be informed by the bidder.

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52	Clause No. 3.3	11kV Switchgear	Bus bars shall be round shaped instead of rectangular shape as per our type tested design.	Accepted model to confirm.
53	Clause No. 3.3	11kV Switchgear	The offered bus bars shall be self-supporting & they shall be supported from spout bushing of the circuit breaker itself. Please note that the offered switchgear is type tested (including internal arc test) without bus bar support insulators. Hence, we do not envisage separate insulators for supporting the bus bars. Support less bus bar design is the new trend and is adopted by leading switchgear manufacturers globally.	As per mfg. standard.
54	Clause No. 3.3	11kV Switchgear	Horizontal Main Bus Joints are provided with Nylon Shrouds.	OK.
55	Clause No. 3.3	11kV Switchgear	Please clarify the magnitude and duration for internal arc fault to be considered as specs are silent. Bus bar chamber has a removable rear cover instead of side covers.	Should be design as per fault label.
56	Clause No. 3.2.2.1	11kV Switchgear	At 100 % rated current = 10000 At 100% rated breaking current = 100	Should be as per tender specification.
57	General	11kV Switchgear	We will provide 1 no Bus Side & Cable Side Earthing Truck.	OK
58	General	11kV Switchgear	Please inform if MFM is required since as per SLD it is not shown.	MFM (Multi Function Meter) with SCADA compatibility.
59	General	11kV Switchgear	Pl inform the cable details as the same is not shown in SLD.	3C x 185/240 XLPE One run cable to consider.
60	General	11kV Switchgear	Pl inform the CT details as the same is not shown in SLD.	Pls. refer SLD to forward.
61	General	11kV Switchgear	Also request you to provide the exact details of the feeder type & details and count for the entire scope.	As per SLD.
62	General- Safety	Site Safety	In line with ABB's policy, we shall ensure compliance with our OHS standards as a minimum on site, that is complying with well known international standards being ILO Safety and Health in construction ISBN92-2-107104-9, Operation of electrical installations EN 50110-1 Commission (IEC) 61482.	OK

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63	General- Safety	Site Safety	<p>You are requested to bring to our notice any site specific hazard(s) that may affect ABB's employees or its contractors during the execution of the work on site. As per our assessment of following listed specific hazards, we do not find any hazards in the proposed green field project.</p> <ul style="list-style-type: none"> - Presence of asbestos materials within the proposed working area; - details of other legacy issues such as presence of polychlorinated biphenyls (PCB's) in old electrical equipment such as transformers, lead and other heavy metals etc. - other ground contamination where excavation work may be carried out; - location of any live electrical conductors that will remain energized throughout the execution of the work on site; - location of any areas where there is a significant concentration of flammable liquids or vapours likely to be present. - details of any areas where there are hazardous substances present that may present a risk to ABB employees or its contractors; - details of any radiation hazards likely to be encountered; - location of any pressurized systems, pipelines that may be located within the proposed working area; - location of any underground services that may be encountered during the work. 	<p>ABB to follow applicable safety standards & norms.</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>X</p> <p>To be diverted by Deptt.</p> <p>To be diverted by Deptt.</p>
64	General- Safety	Site Safety	<p>We reserves the right for the purpose of health and safety requirements to create a "site" physically demarcated within which ABB can exercise control, and in particular prevent access by unauthorized persons, including the client's personnel particularly during high risk activities such as erecting steel works, testing and commissioning. Please confirm.</p>	<p>ABB to follow applicable safety standards & norms.</p>
65	General- Safety	Site Safety	<p>We request you to appoint a representative to liaise with the ABB Responsible/site manager on matters relating to OHS and general progress during project execution. Please confirm.</p>	<p>Noted.</p>
66	General- Safety	Site Safety	<p>We shall have the power to exclude any person, including client, from the site under ABB responsibility, after reasonable warning, if that person is deemed to be non compliant with the requirements of this instruction, and/or are working unsafely and we shall not liable for any consequence of these act. Please confirm.</p>	<p>----- Noted.-----</p>
67	General- Safety	Site Safety	<p>Our representative/site manager shall have the power to stop work on site under ABB responsibility at any time if of the opinion that the person is working unsafely, or where there is a significant risk to others who may be affected by the work or to the environment, or is in direct contravention with the requirements of this instruction. In such circumstances ABB shall not bear any costs that may arise as a result of not being able to complete the work at the time. Please confirm</p>	<p>ABB responsible.</p>

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68	General- Safety	Site Safety	In case of any local problems from labour unions / banned outfits, employer shall intervene and arrange to sort out issues with the concerned. Also, all extra costs and extra time required for the same shall be employer's account. Please confirm	ABB to solve such problem. No expenditure to customer.
69	General	BOQ	Please furnish the soft copy (editables formats) of the Bid price Schedules, data sheets etc.	Pls. refer revised format.
70	General	Makes List	Makes indicated in the price schedule are very limited. We request you kindly consider additional makes as enclosed herewith.	No additional make is accepted.
71	General	Type Tests	We shall only submit type test reports as indicated & as applicable. We do not envisage performing any fresh tests.	OK
72	General	ACDB	Power supply to the ACDB shall be provided by the customer. Cabling from the source to the ACDB incomer shall be in customer's scope of works based on the assumption that the plant distribution board shall be not more than 50meters from the switchyard ACDB.	Within ABB scope.
73	General	Battery Charger	Please confirm if redundant Battery Chargers needs to considered in our offer as we have only considered 1set of Battery Charger.	PL. refer BOQ
74	General	Battery	Please confirm if redundant VRLA Battery needs to considered in our offer as we have only considered 1set of Battery Charger.	PL. refer BOQ
75	General	Battery	We have not considered Battery Health Monitoring System. Please confirm the requirement.	PL. refer BOQ
76	General	Fire Protection	We have only considered N2 Injection type Fire Fighting System for Transformers. We have not considered HVWS/ MVWS Fire Fighting System.	AS PER safety noms.
77	General	Lighting	Kindly furnish the auto-cad drawing of the switchyard layout / Specific Areas for which lighting is required in order to arrive at the lighting luminaries requirement based on the illumination table.	To be decided/finalized based on site & requirement and as per lux level mentioned..
78	General	Remote end Substation	Please confirm the distance of the remote station from the existing substation. Differential protection /Distance protection is required. Please clarify.	Cable differential. Relay is not required.

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79	General	Inspection/ Routine Tests	Inspection of the equipment and facility can be provided if requested well in advance and the date shall be as fixed by us. Similarly routine tests for equipments only can be conducted in the presence of the purchaser's representative based on similar conditions as above. The cost for to and fro travel, lodging, travelling within city, food and out of pocket expenses shall all be to the purchaser's account.	Inspection date mutually agreed. OK
80	General	Type Tests	Type Testing of the offered equipments in our battery limits is not considered in our scope. However we will submit the type test certificate for the similar design as per IS. We do not envisage to conduct type test on units, hence we shall furnish already type tested report, which is valid (not more than 10years old). If you insist type test to be conducted on units supplied, the same shall be conducted at extra cost to the purchaser.	Type test certificate
81	General	Liasioning	Our scope of works is limited to liasioning for CEIG inspection & approvals of the switchyard only. The following are excluded from our scope of works 1. Liasioning with Statutory Bodies for SLD, Layout, DSLP approvals etc. 2. Plant Relay Co-ordination approvals 3. Liasioning with factory Inspector 4. Liasioning with LDC, SLDC/ RLDC 5. ROW, Route Survey, BSNL, Water Board, Municipality PWD, Panchayat etc. 6. Liasioning for Load Sanction. We shall provide remote technical support for getting the approval. However, ultimate responsibility of taking the approval shall be in the scope of the purchaser.	Points 1.2.3 & 4 ABB responsible. Not required. -do- Approval from safety is ABB's responsibility.
82	General	Construction Power	The construction power & water supply required shall be informed in the event of an order and mutually discussed and agreed thereto. The same shall be provided to us free of cost throughout the contract duration.	Water: 1% of Civil cost. Electricity: at actual.
83	General	Relay Settings	Determination of all relay settings and obtaining approval of relay settings, coordinating with remote end protection and communication systems, etc. with the grid authorities is excluded from scope of works	Co-ordination with grid authority not required by ABB; but Relay consideration is ABB's responsibility.

84	General	Earth Resistivity	Our offer for earthing is based on the assumption that the earth resistivity shall be less than 50 ohm-m. Any increase in the earthing requirement due to increase in the soil resistivity during detailed engineering shall be reimbursed by the customer for the excess requirement.	20 ohm-m.
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85	General	Site tests	Site tests as per ABB's Standard Practices required for successful commissioning with CEIG approval shall be performed.	Please mention practices.
86	General	Earthing	The earthing conductor shall be designed for 31.5kA for 1 sec. The Conductors shall be Galvanised Iron on ground level and in trenches. MS Rods shall be used for main mat and GI/ CI Pipes with body holes and flange on one side shall be offered. Lightning Protection will be achieved by GI Shield Wire and down conductors shall be earthed through GI Flats by a pad clamp interconnection.	31.5 KA for 3 Sec. OK
87	General	Loss Capitalization	Please clarify the applicable loss capitalization on the transformers for evaluation.	Losses should be minimum as per IEC.
88	General	Penalty	Please furnish the applicable penalty for not meeting the guaranteed loss figures during factory tests.	Equipment will not be accepted.
89	General	EOT Crane	BOQ doesn't indicate the requirement of EOT Crane. Please clarify the requirement of the same.	EOT Crane if required to be decided by the Bidder..
90	General	Air Conditioning	BOQ is not clear regarding requirement High wall split AC. Please clarify the requirement of the same individually.	Air conditioning as per BOQ.
91	General	Retrofitting	"Retrofitting with the help of New Horizontal Isolation VCB panel & coupler panel with existing vertical Isolation VCB panel of 800Amps. (Areva make) at Dhanarajgiri Sub-station" Please elaborate the requirement of this retrofitting job along with specification, drawings and terminal points. All necessary shut downs etc shall be customer's responsibility.	Shut down to be provided.
92	General	Transformer	SLD indicates three nos of 6MVA transformers and BOQ indicates 2 nos. Please confirm the actual requirement.	2 Nos.
93	General	LA for Transformer	SLD/ Specification doesn't indicate the requirement of 33kV Surge Arrestors for Transformer HV side. The same needs to included and BOQ needs to be revised accordingly.	LA is required. BOQ revised.

94	General	33kV Cables	<p>BOQ indicates 33kV Cables as 4 Kms. Please advice if 33kV Cable laying from remote end substation to incoming feeders is our scope of works. If yes, please note that all types of liasioning and ROW for the same is excluded from our scope of works. Also civil works are excluded from our scope of works. Please advice the location of this remote 132kV substation from which power is fed.</p> <p>We also seek deviation to delete 33kV Cable laying from our scope and restrict our scope to the supply of 33kV Cable only.</p>	<p>Liasioning with ROW not required.</p> <p>Not accepted.</p>
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95	General	33kV GIS and DSS A	<p>Please provide autocad drawings indicating the distance between DSS A and 33kV Switchgear location. If the location is same, please confirm if both the switchgear will be located in the same building. As BOQ indicates two separate buildings for 33kV GIS and 11kV Switchgear which may not be required. Please provide tentative drawings and layouts for accurate estimation and proper understanding.</p> <p>Please provide Unit rate quantities of 11kV Cable for interconnection between transformer secondary to 11kV Switchgear incoming feeders.</p>	<p>Same place. Same building.</p> <p>ABB to consider and quote accordingly.</p>
96	General	DSS A	BOQ indicates rooms for 1MVA Transformers, please note that 1MVA Transformers are oil filled and suitable for outdoor installation. Hence rooms are not envisaged.	Indoor installation. Rooms to consider.
97	General	DSS A	Cabling from Outgoing feeders of 11kV Switchgear are not in ABB's scope. ABB's scope is limited to cabling from Transformer secondary to 11kV Incomers and 11kV outgoing feeder to 1MVA transformer incomer. 433V outgoing of transformer to ACDB incoming. All these within the building at DSS-A. Please provide quantity instead of "Lot"	Quantity is required finalized by ABB.
98	General	DSS B	<p>Please provide autocad drawings indicating the distance and route lengths between DSS A and DSS B locations. As SLD indicates one feeder incomer DSS A and another feeder from DhanrajGiri Substation. Please elaborate the size of cables, number of runs, route length. Please provide tentative drawings and layouts for accurate estimation and proper understanding.</p> <p>Please provide Unit rate quantities of 11kV Cable for interconnection between DSS A ,DhanrajGiri Substation feeder and two 11kV Switchgear incomer feeders at DSS B.</p> <p>Please note that all types of liasioning and ROW for cabling between DhanrajGiri Substation and DSS B is excluded from our scope of works. Also civil works are excluded from our scope of works. Please advice the location of this DhanrajGiri Substation substation from which 11kV power is fed.</p> <p>We also seek deviation to delete 11kV Cable laying from DhanrajGiri Substation feeder to DSS B from our scope and restrict our scope to the supply of these 11kV Cable only.</p>	<p>Size of cable 1 x 3C x 185 Not in scope.</p> <p>X</p> <p>Not in scope.</p> <p>Not in scope.</p>

99	General	DSS A	BOQ indicates rooms for 1MVA Transformers, please note that 1MVA Transformers are oil filled and suitable for outdoor installation. Hence rooms are not envisaged.	Indoor installation.
100	General	DSS A	Cabling from Outgoing feeders of 11kV Switchgear in DSS B are not in ABB's scope. ABB's scope is limited to cabling from DSS A to 11kV Incomer at DSS B and 11kV outgoing feeder to 1MVA transformer incomer. 433V outgoing of transformer to ACDB incoming. All these within the building at DSS-B and in between DSS A and DSS B. Cabling from DhanrajGiri Substation feeder to DSS B is excluded from our scope. Please confirm. Please provide quantity instead of "Lot".	OK Within substation is ABB's responsibility.

Sl. No.	Clause No.	Description/ Reference	Comments/ Deviations Proposed	Comments of IIT(BHU)
100	General	DSS A	Cabling from Outgoing feeders of 11kV Switchgear in DSS B are not in ABB's scope. ABB's scope is limited to cabling from DSS A to 11kV Incomer at DSS B and 11kV outgoing feeder to 1MVA transformer incomer. 433V outgoing of transformer to ACDB incoming. All these within the building at DSS-B and in between DSS A and DSS B. Cabling from DhanrajGiri Substation feeder to DSS B is excluded from our scope. Please confirm. Please provide quantity instead of "Lot".	OK Within substation is ABB's responsibility.
101	Commissioning Spare	Commissioning Spares as per BOQ	We do not envisage any spares in our offered system. If any spares are required, please circulate a spares list amongst all bidders for easy comparison.	Separate list for Commissioning spares with price to quote by the Bidder.
102	General	Unit Rate BOQ	We will quote as per quantities indicated in the BOQ and understand that the same is rate contract BOQ. Any changes in the quantities shall be paid at actuals on the unit rate price indicated in the price schedule.	ACCEPTED.
103	General	Unit Rate BOQ	Kindly indicate quantities of 11kV Cables and terminations instead of "lot"	As required with in substation.
104	General	Price Schedule	Prices in the price schedule shall be FOR Site under supply which includes loading, unloading, insurance and freight and ETC price of handling, erection, testing and commissioning price. However Taxes and duties will be excluded in these prices and the same shall be indicated separately as Total ED, Total CST, Total VAT, Total Service Tax etc. The same shall be over and above the quoted prices and payable extra at actuals.	Pls. refer revised BOQ

105	Article No. 29	Insurance	We seek deviation to delete the clause: "In the event of an insurance claims is being made by the Contractor/Supplier, the Client shall issue an NOC with respect to the proceeds of such claims so that the Contractor/Supplier may collect such proceeds" Above highlighted lines to be deleted as ABB will deal directly with insurer. However, ABB indemnifies the freereplacement of damaged goods whether insurance company settles the claim in full or part.	NOC shall be given.
106	Clause No 6, GCC	Divisible Contracts	IIT - Varanasi will award three divisible contracts 1) Supply 2) Civil works 3) Installation and commissioning. Please confirm.	Package – A, Part-I Supply. Package – A, Part-II Civil, ETC. Package A Part- III SCADA.
107	Clause No 8, GCC	Terms of Delivery	Please confirm whether terms is FOR site or Ex-works.	For site.

Sl. No.	Clause No.	Description/ Reference	Comments/ Deviations Proposed	Comments of IIT(BHU)
108	Clause No 8, GCC	Taxes and Duties	ABB (Contractor) will be Supplying both In house & third party supplies. Contractor's Invoice will not be able to indicate separately excise duty for third party supplies since we are not the manufacturer of same. Hence for third party supplies, excise duty exemption certificate and bank guarantee should be issued on third party's jurisdictional central excise office. Similarly for interstate third party supplies, central state tax cannot be shown separately in contractors' invoice, so the same needs to be reimbursed based on third party Invoice. Please confirm.	Accepted
109	Clause No 8, GCC	Taxes and Duties	Owner/ Purchaser will issue C-forms for interstate purchases. (both in-house (location wise) and bought out items(including Imported quoted in Indian rupee if any) under sale in Transit within the prescribed due dates of the respective state acts. Please confirm. In the event customer fails to issue C forms. No concession will be applicable and full rate of CST for interstate purchases will be applied and the same needs to be reimbursed extra at actual by the customer.	No C FORM shall be issued.
110	Clause No 8, GCC	Taxes and Duties	Road permits /Entry Tax, if applicable on supplies shall be issued/paid directly by Owner/Purchaser for both Own & Bought out items. Please confirm.	Road permit shall be provided.
111	Clause No 8, GCC	Taxes and Duties	Cess @ 1% of total cost of construction of project is the liability of Owner/Purchaser of Construction under Sec-3 of the building & other construction work welfare Cess Act-1996 & registration of establishment under section-7 of building & other construction works. Please clarify on the applicability of same on Supply Portion & Civil Portion. Since related Tender is for Supply, Civil & Erection. Please confirm BOCW will be paid by Purchaser /Owner, as the same is not clear in tender document.	Will be done as per extant rules applicable to IIT(BHU), VARANASI.
112	Clause No 8, GCC	Taxes and Duties	Please confirm whether WCT TDS will be deducted only on the civil portion of the contract or on the entire contract i.e., supply and installation portion also.	All applicable deductions will be done by IIT(BHU) as per extant Govt. Rules
113	Clause No 8, GCC	Taxes and Duties	VAT & Service Tax on Civil work shall be reimbursed as per Contractor / Bidder ' Invoice as Documentary proof. Please confirm the same. Service tax on Erection & installation shall be reimbursed on Bidder's Invoice as Documentary proof. Please confirm the same.	Agreed as per extant Govt. rules

Sl. No.	Clause No.	Description/ Reference	Comments/ Deviations Proposed	Comments of IIT(BHU)
114	Clause No 8, GCC	Statutory Variations	Please clarify statutory variations on account of rates of taxes: increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any tax occurs during the course of the performance of the Contract, including the extended period of the contract for reasons not attributable to bidder, Since the same is not mentioned in bid documents specifically. We also understand that after introduction of GST ,the existing laws on excise, VAT, Service tax etc will be abolished so all the goods & Services to be sold by Bidder to Purchaser will be "Direct Transactions " only. POST GST , Purchaser/Owner will not be able to issue Statutory forms etc .Please include the same in the contract.	Agreed as per extant Govt. rules
115	Clause No 8, GCC	Statutory Variations	We request you to kindly confirm the acceptance of statutory variation on account of any rates of Taxes are increased or decreased, a new Tax is introduced, an existing Tax is abolished, or any change in interpretation or application of any Tax occurs during the course of the performance of the Contract, including the extended period of the contract, which was or will be assessed on the Contractor in connection with performance of the Contract , the additional tax impact thereof on supplies (Own & Bought out Items) & services to be added in the contract price and to be paid to the Contractor by the Owner, extra at actual, against documentary evidence i.e. contractor's invoice.	Agreed as per extant Govt. rules
116	Clause No 8, GCC	Introduction of GST/ C forms	During the performance of the project, if GST is introduced and if declaration form issuance is abolished Please confirm IIT Varanasi will issue Form C for all the transactions which has been completed till the GST is introduced.	No C Form shall be issued.
117	Clause No 8, GCC	Introduction of GST	We have considered all the taxes and duties that are prevalent as on date. Changes in the rates of taxes & duties and new levies, if any shall be to the customer's account. In case of introduction of Goods and Service Taxes (GST) by the Union and State Govts. that results in increased cost of works/supplies through the increased liability of taxes, ABB shall be indemnified for any such increased cost. Please Confirm.	Accepted
118	Clause No 8, GCC	General Commercial Clarification -Billing Break up	For Lot Items, Billing Breakup provision shall be there since for smooth execution supplies are to be effected from different vendors located in different states & statutory Taxes / VAT / CST shall be governed as per applicable state laws. In absence of Billing Breakup, Supplies may get affected. Please confirm on issuance of Billing breakup amendment lot items.	Billing break up for LOT items shall be approved separately for ease of payment.
119	Clause No 8, GCC	General Commercial clarification	If the Imported Equipment will be executed on HSS basis. If High Sea Sale transactions done, then Bill of entry will be filed in the name of the purchaser and all customs duty to be paid by purchaser and not supplier. Please confirm.	High sea sale is not acceptable.
120	General	Due Date extension	We request you to extend the due date for bid submission by 15 days allowing us ample to prepare best & detailed techno-commercial proposal.	Bid submission period already extended in the current notice.

Sl. No.	Clause No.	Description/ Reference	Comments/ Deviations Proposed	Comments of IIT(BHU)
121	Payment terms		Request you to give interest free initial advance.	Agreed