

Technical Clarifications & Deviations

**M/S BYPL & M/S SIEMENS,
Kailash Nagar & Dallupura Grid**

SURVEY, DESIGN, ENGINEERING, SUPPLY, ERECTION, TESTING, & COMMISSIONING OF NEW 11kVSWITCHGEAR PANELS INCLUDING MINOR CIVIL WORKS AND DISMANTLING OF EXISTING EQUIPMENTS ON TURNKEY BASIS AT KAILASH NAGAR & DALLUPURA GRID, DELHI.

NIT No.: CMC/BY/22-23/RS/MD/34

Sl. No.	Description as per Tender Specification	Vendor Name	Notification / Clause Reference No.	Page No.	Deviation / Clarification in Manufacturer Offer	BYPL Response
NIT						
1	Completion Period	SIEMENS	Information to bidder; CI-32	Page 19 of 332	We request you to accept completion period of 8 months from PO date for each grid. In addition, we would request for 1 month handing over period after completion period.	No deviation in this regard. Kindly adhere to NIT conditions.
2	Scada works- 1 lot	SIEMENS	BOM supply & ETC	Page 69,71,73,75 of 332	We have considered only 1) supply, laying and termination of cat 6 cable from 11kV switchgear to Existing RTU for Relay and 2) Supply, laying & termination of RS485 cable for meters against this line item. 3) No hardware is considered by us. Integration with existing RTU shall not be in our scope. Please confirm.	1)Noted 2)Noted 3)RTU hardware and software shall be in BYPL scope.
3	Recommended & mandatory spares	SIEMENS	BOM supply & ETC	Page 69,71,73,75 of 332	We have considered spares as mentioned on page 139 of 332; Technical & specifications of HT Indoor Switchgear; Annexure-E-Spare requirement tender documents. No other spare is considered. Please confirm.	Spares shall be considered as per tender document. Kindly share the list of the spares at the time of Technical Bid Evaluation.
4	Training	SIEMENS		Page 83 of 332	We have considered following combined training for both grid in a single visit by our engineer in our scope: 1. Training on Numerical relay- 2 days (1 day classroom training at BYPL training centre and 1 day on site training) 2. Training on IEC61850- 2 days (1 day classroom training at BYPL training centre and 1 day on site training). Please confirm.	Single visit is not guaranteed. Training may be conducted in phases also. Training type and Number of days shall be as per tender document.
5	Digital RTCC	SIEMENS	TS for SCADA Network & integration	Page 308 of 332	Digital RTCC shall not be in our scope. Please confirm.	Noted
6	Scope of Supply	SIEMENS	BYPL-SOW-22-23-02-R0 Clause - 3.2	Page 81 of 332	Total number of 11kV Switchgear items for Dallupura site as per layout & "Price Format - Supply" is 25 nos., however mentioned clause shows total number of items as 26 nos. (there seems to be a repetition of Bus PT panel). Kindly confirm.	Line Item 3.2.1.5 and 3.2.1.10 are repetitive in nature. Kindly ignore Line Item 3.2.1.10
7	Reference Layout	SIEMENS	Kailash Nagar - Layout	Page 86 of 332	For Kailash Nagar - Layout, cable details for existing panel required for cable tray planning.	Same shall be finalised during detailed engineering
9	TECHNICAL SPECIFICATION OF CONVENTIONAL OIL FILLED DISTRIBUTION TRANSFORMER	SIEMENS	BSES-TS-12-TRDU-R0	-	There is no mention of Supply & E/T/C of Oil filled Distribution Transformer in BOM. Hence, not considered for both grid.	Noted
10	LT power cable- 1 Lot	SIEMENS	Scope of turnkey execution for 11kV panels; Clause 3.2.3.1	Page 81 of 332	We have considered following cables under this scope as detailed scope is not there: 1. Cable from ACDB to new 11kV switchgear at both grid 2. Cable from DCDB to new 11kV switchgear at both grid	Same shall be finalised during detailed engineering
11	Control & Auxiliary cables	SIEMENS	Scope of turnkey execution for 11kV panels; Clause 3.2.3.2	Page 81 of 332	We have considered following cables under this scope as detailed scope is not there: 1. CT cable for trafo differential protection from 11kV incomer to 66kV CRP TR OG- 2 nos at both grid 2. Control cable from 11kV capacitor OG panel to outdoor capacitor panel- 2 nos. at both grid 3. Control cable from 11kV station trafo OG panel to outdoor station transformer- 1 no at both grid	Same shall be finalised during detailed engineering
12	Angle channel arrangement	SIEMENS	Scope of turnkey execution for 11kV panels; Clause 3.2.5	Page 82 of 332	We shall use the existing angle channel arrangement. Please confirm.	Kindly consider new angle channel.
13	Conduits	SIEMENS	Scope of turnkey execution for 11kV panels; Clause 3.2.6	Page 82 of 332	We understand the use of conduits for following activities: 1. Switchgear room lighting work.	Same shall be finalised during detailed engineering

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14	Insulated floor coating	SIEMENS	Scope of turnkey execution for 11kV panels; Clause 3.2.7	Page 82 of 332	We have considered insulated floor coating only in the front and back of new supplied 11kV panels. Please confirm.	Insulated floor coating shall be Infront, Back ,LHS and RHS of the panel.
15	Accessories	SIEMENS	Scope of turnkey execution for 11kV panels; Clause 3.2.13	Page 82 of 332	Please elaborate/explain this Accessories Line item as mentioned here and also in the BOM.	If any technical specification demands for accessories then same shall be in bidder's scope.
16	Licensed programming software	SIEMENS	BOM supply & ETC	Page 69,71,73,75 of 332	We have considered 1 no. relay software each for Kailash Nagar & Dallupura grid. Please confirm.	Noted
17	Communication cord	SIEMENS	BOM supply & ETC	Page 69,71,73,75 of 332	We shall consider 1 no. relay communication cable each for Kailash Nagar & Dallupura grid. Please confirm.	Communication cord shall be considered for 1 no each in both the grids
Civil Work						
1	Modification in Existing 11 kV Switchgear Room : a) All Civil Works Required for Erection, Testing and Commissioning of 11 kV Switchgear b) Dismantling of Cable Trench wherever required c) New trench/repairing of cable trench within 11 kV Switchgear Room for power and control cables d) Depth of power cable trench shall be 1.5 meters e) Cable trench shall be of RCC type f) Cable trench covers shall be in bidder's scope g) Two Stairs to approach Power cable trench h) 50% spare capacity in each trench for future use shall be considered i) Extension of switchgear room as per layout including j) Flooring, Levelling and Finishing (Finishing of walls shall be with three coats of Plastic Paint i.e. two coats during installation and one coat at the time of handover)	SIEMENS	Clause No. 3.3.6.2	83 of 332	For Dallupura Station : a) For Dallupura, We understand that no building extension works are required. Bidder's scope of works shall be limited to modification of cable trench only. Please Confirm. B) No civil works in Switchyard are there in present scope of work. Please confirm. c) In case, existing cable trenches are of brick wall type and repairing of existing cable trenches meet the desired requirements, we understand that bidder need not to dismantle existing trenches and construct new RCC trenches. Please confirm. d) We understand that stairs to approach cable trench shall be steel type only. Please confirm. e) Flooring : We understand that insulated coating shall be provided to existing floor only. Please confirm.	For Dallupura- a) Noted for Building Extension. Scope of work shall be governed by tender document. b) Kindly refer tender document for the same. c) Dismantling of existing trench within Switchgear room and reconstruction of M25 grade RCC trench. d) Hot deep galvanized stair with grating shall be provided. e) Dismantling of existing Flooring and reconstruction of switchgear room. flooring with 20mm thick polished kota stone and further insulated coating shall be provided for Switchgear room only.
2	Modification in Existing 11 kV Switchgear Room : a) All Civil Works Required for Erection, Testing and Commissioning of 11 kV Switchgear b) Dismantling of Cable Trench wherever required c) New trench/repairing of cable trench within 11 kV Switchgear Room for power and control cables d) Depth of power cable trench shall be 1.5 meters e) Cable trench shall be of RCC type f) Cable trench covers shall be in bidder's scope g) Two Stairs to approach Power cable trench h) 50% spare capacity in each trench for future use shall be considered i) Extension of switchgear room as per layout including j) Flooring, Levelling and Finishing (Finishing of walls shall be with three coats of Plastic Paint i.e. two coats during installation and one coat at the time of handover) k) Foundation and Grouting Work for 11 kV Switchgears	SIEMENS	Clause No. 3.3.6.2	83 of 332	For Kailash Nagar Station : a) For Kailash Nagar, Since building extension works are required, request Customer to share foundation details of existing building. b) We understand that building extension of 3m only as per Layout Drawing provided along with tender documents (Page No. 86 of 332) is under present scope. In case of change in dimensions, same shall be paid extra to bidder. Please confirm. c) We understand that existing rolling shutter only shall be reinstalled at new location. Please confirm. d) No civil works in Switchyard are there in present scope of work. Please confirm. e) In case, existing cable trenches are of brick wall type and repairing of existing cable trenches meet the desired requirements, we understand that bidder need not to dismantle existing trenches and construct new RCC trenches. Please confirm. f) We understand that stairs to approach cable trench shall be steel type only. Please confirm. g) Flooring : We understand that insulated coating shall be provided to existing floor only. Please confirm.	For Kailash Nagar- a) Foundation detail is not available with BYPL. Kindly visit the site and assess the condition. b) 3m is minimum required as per layout provided in Tender document. If Bidder's panel length is more than the calculated length in layout then extension shall be increased accordingly. No extra shall be paid. (extension shall be M25 grade RCC framed structure with proper Raft foundation, plinth beam, Brickwork, plaster, painting, water proofing of complete old and new building and other misc civil work, exterior shall match the existing building finishes). c) New Rolling shutter shall be installed. d) Kindly go through the tender document for scope clarity. e) Dismantling of existing trench within Switchgear room and reconstruction of M25 grade RCC trench. f) Hot dip galvanized stair with grating shall be provided. g) Dismantling of existing Flooring and reconstruction of switchgear room. flooring with 20mm thick polished kota stone and over that insulated coating shall be provided in complete Switchgear Room.
3	Scope of work	SIEMENS	Clause No. 3.3.6.2		We understand that Bidder need not to conduct fresh soil test during execution stage for both the sites. Data shall be shared by Customer and shall be used for design purpose by bidder. Please confirm.	No need of Soil Investigation report at Dallupura Grid SS. For Kailash Nagar Grid SS, Soil investigation report for Kailash Nagar shall be provided in due course of time.


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4	Disposal of surplus/Dismantled material	SIEMENS	Site Visit		Request Customer to share details of location where surplus earth and dismantled material shall be disposed off.	Disposal of debris & other unserviceable material shall be done on dumping yard approved by local authorities and as per the norms/ rules and regulations of National Green Tribunal (NGT).
5	Soil Data	SIEMENS	Site Visit		Request Customer to share soil data for Dallupura and Kailash Nagar stations.	No need of Soil Investigation report at Dallupura Grid SS. For Kailash Nagar Grid SS, Soil investigation report for Kailash Nagar shall be provided in due course of time.
Equipment						
11kV Panel						
1	1.3- "Two trolleys for breaker of each size are to be provided per switchboard"	SIEMENS	Technical Specification of Ht indoor Switchgear; Annexure-A - Scope of supply; Cl-1.3	Page 130 of 332	We have not considered it in scope. If required, please confirm.	Noted
2	Ethernet switch	SIEMENS			We assume there shall be existing ethernet switches in the 11kV switchboard, hence we have not considered ethernet switches in our scope.	Ethernet switches shall be in Bidder's scope.
3	Ethernet switch	SIEMENS			Further in case new ethernet switch is required, we shall consider 2 no. ethernet switch for 11kV switchboard at each grid. Please confirm.	Ethernet switches shall be in Bidder's scope. Quantity shall depend upon number of Ports required. 20% spare ports shall be available in each ethernet switch.
4	Annexure A: Scope of Work	SIEMENS	1		Design, Manufacturing, Testing, Packing Forwarding of 11kV, 2000A, 25kA for 3 sec, IAC 0.1 sec with Cu Busbars. Offered panels are suitable for mounting directly on leveled floor, hence, any base frames are not considered in our scope. Please clarify the requirement, we have quoted for 11KV panels only. We have considered only rack in rack out handle and breaker handling trolley if applicable.	1. IAC for 0.1 sec is not acceptable. For technical Parameters, kindly go through Technical Specification. 2. If Required, Any baseframe for panel erection shall be in bidder's scope. 3. 33KV AIS is not in bidder's scope.
5	Codes & Standard	SIEMENS	1		Offered panels shall comply only to IEC standards as follows :- Panels - IEC 62271-200 VCB - IEC 62271-100 CT - IEC 61869-1/2 PT - IEC 61869-1/3 Other equipments shall comply to either IEC or national / internal standards. We shall not submit any standards' copies for review.	Indian standard shall be supreme for any equipment. Although, if Indian standard for any equipment is not available then IEC may be referred.
6	Panel construction: Enclosure degree of protection	SIEMENS	4.2		we will supply type tested design with Degree of Protection will be IP4x. Please confirm.	Noted
7	Sheet metal thickness & Materials: Panel construction:	SIEMENS	4.3.1 & 4.3.2		Offered panels are type tested with following design: CRCA, Frame - 2.0 mm, High Voltage Door - as per type tested design, Low Voltage Door - 2.0 mm, Pressure Relief Flaps - 1.0 mm, Partitions between compartments - 2.0 mm, Shutters - 1.0 mm, Partitions between panels - 2.0 mm, Bottom Plate - 2.0 mm, Rear Side Covers - 2.0 mm, End Covers - 2.0 mm. Structure shall be of bolted type.	Noted
8	Gland plate	SIEMENS	4.3.3		All gland plates should be detachable type without gasket. Please confirm.	Gland plate shall be as per specification. Noted for without gasket.
9	Operating height: Panel construction:	SIEMENS	4.4		Operating height shall be finalized during detailed engineering.	Noted
10	Extension of existing make panels: Panel construction:	SIEMENS	4.5		We have not quoted for the same.	Noted
11	BUS End Cable box: Panel construction:	SIEMENS	4.8		Please clarify the requirement, cant confirm for now.	Not required in this project.
12	Bus support insulator: Panel construction:	SIEMENS	4.14		As per our proven type tested design, bus support insulator shall be provided if required.	Noted

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13	Base Frames : Panel construction:	SIEMENS	4.17		Offered panels are suitable for mounting directly on leveled floor, hence we don't envisage any requirement of Baseframe.	Noted. If required, same shall be in bidder's scope.
14	Handle : Panel construction:	SIEMENS	4.18		Removable bolted covers with handle for cable chamber shall be provided but no handles shall be provide busbar chamber. It is bolted type.	In Earlier project, handle was provided for both bus bar and cable compartment. Hence kindly provide the same.
15	APFC : Panel construction:	SIEMENS	4.19		APFC panel shall not in our scope. Please confirm.	Noted
16	Type: Circuit breaker	SIEMENS	5.1		Breakers shall be cassette type. Please confirm	Noted
17	Contact: Circuit breaker	SIEMENS	5.5		Breaker shall have contacts design as per Siemens standard. Please confirm.	Kindly provide the exact deviation?
18	Breaker Position: Circuit breaker	SIEMENS	5.9		Breaker shall have only two position inside the panel i.e service & test. Please confirm.	Noted
19	Racking mechanism safety interlock: Functional requirements	SIEMENS	6.1.3		The same shall be as per Siemens standard. Please confirm.	Kindly provide the exact deviation?
20	Exposure to live parts: Functional requirements	SIEMENS	6.2.1		Clause not clear hence cant confirm. Please elaborate.	In case the breaker panel door is required to be opened during a contingency, the personnel should not be exposed to any live part. Suitable shrouds/barriers/insulating sleeves should be provided.
21	Equipment earthing: Equipment earthing	SIEMENS	11		Equipment earthing shall be done as per Siemens standard practice. We will consider Earthbusbar Cooper instead of Alluminium.	Kindly provide exact deviation.
22	Selector switch: Selector switches and push buttons	SIEMENS	14.2		We don't confirm for shrouded switch	No deviation in this regard. Kindly adhere to specification.
23	Terminal blocks Spare Terminal Block in Capacitor Bank Panel	SIEMENS	16.7 & 16.8		Terminal block shall be as per Siemens standard. Spare terminal and clearance between TBs shall be provided subject to space availability. TTB shall be as per Standard DAV make . Clearance between TB shall be as per Siemens Standard.	(a) No deviation in this regard . Kindly adhere to specification.. (b) Noted for make of TTB
24	Relays and protection:	SIEMENS	17		We have referred only SLD for protection details. Kindly confirm the protection required for each typical.	Kindly refer clause 17 of specification "BSES-TS-66-HTSWG-R0" for protetion details.
25	Architecture Programming and configuration Processing Indications Command Processing: Relays and protection	SIEMENS	17		Requirement not clear hence cant confirm.Please elabrate.	1. Software shall be modular type. 2. Modular Hardware means Separate modules for Power Supply, Communication and Protection function
26	Scada interface port PC interface port: Relays and protection	SIEMENS	17		We have considered one rear RJ45 port on IEC61850 and one USB port on front. Please confirm.	Kindly go through the specification.
27	User Interface: Relays and protection	SIEMENS	17		Not all setting and parameter can be changed.	Noted
28	Event & Fault Records: Relays and protection	SIEMENS	17		Cant confirm	No deviation in this regard. Kindly adhere to specification..
29	DI/DO of numerical relay: Relays and protection	SIEMENS	17		Please provide the signal list , we have not received the same. Change in offered DI/DO shall have price implication.	Kindly refer 17.14 of specification number "BSES-TS-66-HTSWG-R0" for DI /DO list
30	Test Facility: Relays and protection	SIEMENS	17		Please clarify the requirement in detail, We don't envisage the same	Numerical relay shall have Inbuilt test plugs for testing purpose
31	PT supervision: Relays and protection	SIEMENS	17.2.1		Offered panels have MCBs for PT secondaries instead of fuses, hence, any fuse failure relays is not necessary.	PT primary must have fuses and hence fuse failure relay is required.
32	Protection relay for capacitor panel	SIEMENS	15.1.4		We have assumed there is one RVT only.PT supervision is not applicable please confirm.	Noted
33	Antipumping relay, Auxiliary relay general feature	SIEMENS	17.1.1		We have not considered antipumping relay as anti-pumping is an in-built feature of our VCB. TCS shall be part of numerical relay.& 86 relay are separate electromechanical relay.	Noted


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34	PT selection relay, switchgear with two incomer and buscoupler, auxiliary relays, coupling relays, transducers etc: Auxiliary relay general feature	SIEMENS	17.1.2, 1.7.1.3,1.7.1.4		Please clarify more in details about these requirement, presently we have not considered the same.	No deviation in this regard. Kindly adhere to specification.. Clarification can be sought on requirements on joint call
35	SPACE HEATERS:Location	SIEMENS	20.2		VCB door is closed interlocked with VCB position. So once VCB is raked in service position VCB door is always closed. This is to ensure operator safety. Access to space heater in VCB door open position & VCB in service condition is not recommended in safety perspective.so Heater position in breaker chamber shall not be accessible with breaker racked-in	Noted
36	Name Plates & Marking	SIEMENS	22		Name Plates, marking, identification mark, label shall be as per Siemens standard.	No deviation in this regard. Kindly adhere to specification.
37	Surface Treatment & Painting	SIEMENS	23		Painting shall be as per attached Siemens standard painting procedure.RAL7035	Kindly refer specification for Surface treatment and Painting. Paint shade shall be RAL 7032 for external & internal surface
38	Inspection ,testing & Quality assurance	SIEMENS	25		Inspection and Testing shall be as per SIEMENS standard FAT and QAP. Only fully assembled switchboard shall be offered for inspection of routine tests. We shall submit test certificates of bought out items and no separate tests shall be conducted on these equipments at our works. Inspection shall be carried out as per our standard quality assurance plan. Any type test is not considered in our scope. However, we shall submit type test reports for type tests carried out on similar product. Any stage inspection is not envisaged. Type test report can be older than 5 years in case of no design change, please note that we dont envisage performing or repetition of any type test.	Noted. Although routine test shall be conducted as per relevant IS/IEC.
39	TRANSFORMER MONITORING CUM AVR RELAY	SIEMENS			Same is not in scope of supply DSPA consider/confirm	AVR relay shall not be in bidder's scope.
40	SLD	SIEMENS			Please share the SLD number for referance of typical to be consider.	Same shall be shared at the time of detailed engineering
41	SLD_Incomer,87 relay:	SIEMENS			As per SLD 87 relay in incomer shall be in CRP.Hence not considered. Please confirm.	Point not clear. Kindly elaborate
42	SLD_Incomer,KWH meter	SIEMENS			As per SLD KWH meter shall be supply by customer. Please confirm the model for provision in our panel.	Noted
43	SLD_Capacitor panel	SIEMENS			Requirement of BPT panel in capacitor feeder not clear.	Kindly go through the tender document. Bus PTs for individual bus have already been considered. Hence Separate PT in Capacitor bank is not required.
General Clarifications & Deviations- Kailash Nagar & Dallupura grid						
1	Layout	SIEMENS	-	-	Existing Earthing layout if available to be shared, for quantifying the earthing requirements for supplied items.	Refer Remarks of Clause 3.2.4 of Page 82 of 332 of Tender for scope clarity.
2	General	SIEMENS	-	-	Route Length from ACDB & DCDB (Auxiliary supply) to 11kV switchboards required as it is not shown in layout. Since ACDB & DCDB are existing, we are assuming that there will be provision of suitable rating feeders for the new 11kV switchgear panels.	Route length may be fetched from site itself. Noted for ACDB feeder availablity

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3	General	SIEMENS	-	-	For quantification of cable trays, clarification on following points required: 1. Confirm if existing cable trays will be used. If yes, kindly furnish the cable tray dimensions. 2. Sectional details of existing power and control cable trench with dimensions. 3. Confirm if existing cable tray supports can be used. 4. Existing cable trays shall be having earth strips running through them. Confirm if same can be used or new earth strips to be considered. 5. Approximate directions / Routes in which outgoing cables are going for optimization of cable tray sizing.	1. Existing cable trays cannot be used. 2. Kindly fetch the same from site itself 3. Existing cable trays cannot be used. 4. Kindly consider new strips 5. Kindly fetch the same from the site itself.
4	General	SIEMENS	-	-	Existing cable schedule for Power & Control cables if available to be shared.	Kindly fetch the detail from site itself.
5	General	SIEMENS	-	-	Approximate route length of following equipment to quantify the control cables: 1. Capacitor Bank / APFC 2. 66kV CRP Panel	Kindly fetch the detail from site itself.
6	LT power cable from station trafo to ACDB	SIEMENS	-	-	Kindly confirm if cables from Station Transformer to ACDB is in our scope. If yes, route length from ACDB to Station Transformer required. We understand that both ACDB & Station Transformer are existing, hence cables & termination would also be existing.	As per Clause 3.4.3, 3.4.4 of Page 85 out of 332, Cables from 11 Kv Panel to Station transformer and From Station Transformer to ACDB shall be free issue items. End termination kits for the same shall be in bidder's scope. Route length for the same shall be fetched from site itself.
7	General	SIEMENS	-	-	Scope clarification of Exhaust system required. As per document, E/T/C of Exhaust system is required, however, Free Issue items list does not include any Exhaust Fans. We understand that supply of Exhaust fans has been excluded from our scope, kindly confirm.	As per clause 3.3.6.4 of page 84 out of 332, Exhaust fan shall be in bidder's scope.
8	Transformer testing	SIEMENS			We have not considered any tests related to transformer in our scope. Please confirm.	Noted
9	Transformer yard area	SIEMENS			We shall use the existing cable support structure for 11kV power cable at transformer end. Please confirm.	Cable trench within room shall be in bidder's scope. Cable trench outside Switchgear room shall not be in bidder's scope. Hence cable support structure may be used outside the switchgear room
10	Cable trench	SIEMENS			We have not considered cable trench outside the 11kV switchgear room area. M/s BYPL to ensure enough space in the existing tray for new control & power cables if required. Please confirm.	Noted
11	Cable support structure & clamping arrangement	SIEMENS			We shall use the existing cable support structure outside of 11kV switchgear room. Please confirm.	Noted
12	Earthing	SIEMENS			We shall use the existing earthing for cable earthing outside the 11kV switchgear room.	Existing mesh may be used to connect the earthing of equipment. Although strips for extension shall be in bidder's scope.
13	Dismantling work	SIEMENS			As per our understanding we shall dismantle only the existing old 11kV panels and related CRPS. Please confirm the following: 1. Location to handover the existing dismantled panels. 2. Distance of the location from the existing grids respectively. 3. After disconnection of Power cables and control cable from the existing 11kV panels/CRP we shall put the cables down on the trench. Complete removal of cables shall not be in our scope. Please confirm.	Scope of Dismantling of Equipment shall be governed by Tender document. 1. Location to Handover the existing dismantled panels shall be within Delhi Premises. 2. Location to Handover the existing dismantled panels shall be within Delhi Premises. 3. Complete dismantling of cables shall be in bidder's scope.
14	Free supply item- 11kV power cables- 1C x 1000 sq mm & 3Cx300 sqmm	SIEMENS			As per understanding free supply item shall be provide to us at site. If not, please tell the store location with distance to collect free issue items.	Unloading, loading ,Transportation of Free supply items shall be in bidder's scope. Store location shall be within delhi premises.
15	Free supply item- 11kV power cables-1C x 1000 sq mm & 3Cx300 sqmm	SIEMENS			Please share data sheet of free issue power cable.	Same shall be shared at the time of Detailed engineering.
16	Free supply item- 11kV power cable 1C x 1000 sq mm	SIEMENS			Please provide approximate quantity of 11kV 1Cx1000 sqmm cable required for each substation.	Kindy fetch details from site itself.
17	Free issue item	SIEMENS			We shall not be responsible for warranty of free issue item. Please confirm.	Noted

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18	Cable trench Cover	SIEMENS			If possible we can use the existing cable trench covers. Please confirm.	Kindly consider new trench covers.
19	Statutory approval	SIEMENS			We have considered CEIG approval in our scope. No other approval/permission/clearance etc is considered by us. Statutory fee shall be borne by M/s BYPL. Please confirm.	Noted
20	Space for temporary office & store	SIEMENS			We understand BYPL will provide temporary office & store inside the substation during the course of execution work. Please confirm.	Space for temporary office shall be provided if space is available at site.
21	APFC	SIEMENS			As per our understanding APFC shall not be part of our scope. Please confirm.	Noted
22	Illumination & Lighting system	SIEMENS			As per our understanding we have to extend existing lighting work inside the existing switchgear room using the existing DB. For the same we are considering 5 nos. led tube lights and associated work inside the switchgear room.	As per clause 3.3.6.3 of page 84 out of 332, existing distribution board may be used for illumination and lighting system. Although, number of lights shall be decided by Lux level as per Indian Standards.
24	Inspection of BOM items	SIEMENS			We anticipate final inspection of 11kV panels only in this tender. Please confirm.	Point not clear. Kindly elaborate
25	Inspection Charges	SIEMENS			As per our understanding, , Please confirm the following: 1. There is no stage Inspection. Only Routine Test will be applicable. Please confirm. 2. Travelling, loading & boarding charges of employer/Third party shall be in employer scope in the event of inspection visit. Please confirm.	1. Factory acceptance test shall be considered as per IS. 2. Noted
26	After Sale Service after warranty	SIEMENS			After-Sale-Service after warranty shall be on paid basis. Please confirm.	Please refer Guarantee/Warranty clause of NIT
27	Site Inspection of Material	SIEMENS			We understand that after receiving the material at site, Visual Inspection is done under Site Inspection on 1 Pieces of Lot material, Please confirm	Site inspection shall be as per IS.
28	Construction power	SIEMENS			We understand that construction power shall be provided by M/s BYPL at one point inside the substation. Please provide the charges for the same.	Construction power shall be provided on chargeable basis. Charges may be as per DERC Tarrif document.
29	Autoreclosing	SIEMENS			We have not considered autoreclosing in 11kV switchgear. Please confirm.	Kindly adhere to technical specification for the same.
30	AMC	SIEMENS			As per our understanding that there is no AMC & Maintenance requirement in this tender, Please confirm	Kindly adhere to tender document.
31	Laptop	SIEMENS			We have not considered supply of laptop in our scope.	Kindly adhere to tender document.
32	Software	SIEMENS			We have considered 1 no. relay software for each grid in our offer. No other software is considered by us. Please confirm.	Kindly adhere to tender document.

PROJECT	Survey, Design, Engg. Supply, Erection, Testing and Commissioning of New 11 kV Switchgear panels including Minor Civil Works and Dismantling of Existing Equipments on Turnkey Basis at Kailashnagar & Dallupura Grid, Delhi				
NIT Ref	CMC/BY/22-23/RS/MD/34				
Doc. Title	Pre Bid Queries Commercial				
Sl. No.	Section No.	clause no.	Clause description	Comment	BYPL Reply
	SECTION-II INSTRUCTIONS TO BIDDER	10.03 (page 14 of 332)	Prices quoted by the Bidder shall be "Firm" and not subject to any price adjustment during the performance of the Contract. A Bid submitted with an adjustable price/ Price Variation Clause will be treated as non-responsive and rejected.	In case of extension in contract period from proposed project execution period, which is not attributable to Seller, Seller can revise the prices as per mutual discussion and agreement with Purchaser.	Price shall be firm for entire project execution
		10.04 (page 14 of 332)	The bidder shall ascertain himself regarding material required for completeness of the entire work. Any items not indicated in the price schedule but which are required to complete the job as per the Technical Specifications/ Scope of Work/ SLA mentioned in the tender, shall be deemed to be included in prices quoted.		
		27.0 (page 18 of 332)			
		4.03 (page 31 of 332)	-The Purchaser reserves the right to vary the quantity i.e. increase or decrease the numbers/quantities without any change in terms and conditions during the execution of the order. -Quantity variation and additional requirement if any shall be communicated to successful bidder during project execution	-We understand the quantities and ratings given in specifications are firm and we require to estimate only for cables, trays, steel, earthing and lightning etc. for battery limit within SS only. -Any additions in scope during project execution shall have price and time implications on contract.	Kindly adhere to tender document.
		12.02 (page 14 of 332)	Notwithstanding Clause 12.01 above, the Purchaser may solicit the Bidder's consent to an extension of the Period of Bid Validity. The request and the responses thereto shall be made in writing and sent by post/courier	Currently we have offered- bid validity of 120 days from the date of bid submission, extension in bid validity shall have price and time implications on the contract.	Extension in bid validity shall have NO price implications.
		30.0 (page 18 of 332)	WORKMANSHIP/EQUIPMENT PERFORMANCE BANK GUARANTEE Contractor shall submit the workmanship / equipment performance bank guarantee equivalent to the 10% of the contract value at the time of claiming the last payment as per TERMS OF PAYMENT (Supply and Erection, Testing & Commissioning), with the validity of the bank guarantee till Defect Liability Period i.e. 60 months from the date of Handing over of entire package plus 3 months towards claim period.	We have not confirmed and complied to this clause	No deviation in this regard. Kindly adhere to NIT conditions.
		10.03 (page 48 of 332)			
		32.00 (page 19 of 332)	Completion period -35 Months from the date of LOA/PO for each project/grid	Delivery period mentioned in tender document is not feasible to meet. Delivery period shall be 9 months after drawing approval or manufacturing clearance, whichever is later. Request BYPL to accept the same.	No deviation in this regard. Kindly adhere to NIT conditions.
	GENERAL CONDITIONS OF CONTRACT (GCC-SUPPLY)	5.05 (page 32 of 332)	All in-house testing and inspection shall be done with out any extra cost. The in-house inspection shall be carried out in presence of BSES/BSES authorized third party inspection agency.	The charges towards in house inspection by third party (to-fro and lodging and boarding) to be borne by BYPL. (same is mentioned in clause no. 6.02 of this section)	Noted
		5.06 (page 32 of 332)	Purchaser reserves the right to send any material being supplied to any recognized laboratory for testing, wherever necessary and the cost of testing shall be borne by the Bidder	We have not included any charges towards testing at recognized laboratory in offered bid prices.	All routine test charges in bidder's scope.
		6.01 (page 32 of 332)	Inspection shall carry out stage wise/final inspection as per agreed QA/QC procedure	We do not envisage any stage inspections.	Kindly adhere to tender specification
		12.02 (page 35 of 332)	Purchaser has the right to recover tax loss, interest and penalty suffered due to any non-compliance of tax laws by the Vendor.	This clause is not acceptable.	No deviation in this regard. Kindly adhere to tender document.
		20.01 (page 37 of 332)	BYPL shall give Supplier notice of any defective Commodity promptly after becoming aware thereof. BYPL may in its discretion elect to return defective Commodities to Supplier for replacement, free of charge to BYPL, or may reject such Commodities and purchase the same or similar Commodities from any third party. In the latter case BYPL shall furnish proof to Supplier of the cost of such substitute purchase. In either case, all costs of any replacement, substitution, shipping, labour and other related expenses incurred in connection with the return and replacement or for the substitute purchase of a Commodity hereunder should be for the account of Supplier.	Same is not acceptable to SEIL	Kindly adhere to tender document.
		26.0 (page 39 of 332)	- If supply of items/equipments is delayed beyond the delivery schedule as stipulated in purchase order then the Supplier shall be liable to pay to the Purchaser as penalty for delay, a sum of 1% (one percent) of the Total price for every week delay of undelivered units or part thereof for individual mile stone deliveries. - The total amount of penalty for delay under the contract will be subject to a maximum of ten percent (10%) of the Total price of total undelivered units.	SEIL shall not be liable for penalty of any kind on account of delay not attributable to SEIL. We shall not accept any penalty on any other account. Bid is being submitted accordingly.	No deviation in this regard. Kindly adhere to NIT conditions.
		29.0 (page 39 of 332)	Force Majeure	Request BYPL to accept inclusion of Epidemic, Pandemic, change in laws to be added as FM events.	All the force majeure shall be as per Govt notification. Please follow NIT.
		27.0 (page 55 of 332)			
		30.0 (page 41 of 332)	TRANSFER AND SUB-LETTING	Services of reliable sub-contractor shall be utilised as lot of site work including civil work, dismantling, loading/unloading/erection, supervision of equipments is in scope of work. Request BYPL to accept the same.	Noted, written permission request shall be submitted by bidder before work execution. Approval of the same shall be in BYPL scope.
		22.0 (page 53 of 332)			
		33.0 (page 41 of 332)	Indemnification- Notwithstanding contrary to anything contained in this RFQ, Supplier shall at his costs and risks make good any loss or damage to the property of the Purchaser and/or the other Supplier engaged by the Purchaser and/or the employees of the Purchaser and/or employees of the other Supplier engaged by the Purchaser whatsoever arising out of the negligence of the Supplier while performing the obligations under this contract.	Request BYPL to accept following clause "Each Party shall indemnify, defend and hold harmless the other Party and their respective officers, directors, employees and agents from and against any and all third party demands for damages, costs and expenses (including reasonable legal fees) directly relating to or arising from injury or death to persons, or damage or loss to property to the extent directly caused by the negligence or willful misconduct of that party, provided that the indemnified Party: (a) gives the indemnifying Party prompt written notice of such claim; and (b) cooperates with the indemnifying Party, at the indemnifying Party's expense, in the defense of such claim. The indemnifying Party shall not be responsible for any settlement made by the indemnified without the indemnifying Party's prior written consent."	Kindly adhere to NIT conditions.
		23.0 (page 54 of 332)			
		36.0 (page 42 of 332)	Limitation of Liability	Request BYPL to accept following LOL clause: Notwithstanding anything in the Contract to the contrary and to the extent permitted by applicable law, (a) in no event shall either Party, its officers, directors, or employees be liable for any form of incidental, consequential, indirect, special or punitive damages of any kind, or for loss of revenue or profits, loss of business, loss of information or data, or other financial loss, whether such damages arise in contract, tort or otherwise, irrespective of fault, negligence or strict liability or whether such Party has been advised in advance of the possibility of such damages; and (b) the maximum liability of the Seller for any and all claims, losses, damages, costs and expenses arising from or on connection with this Contract shall not exceed the amounts actually received by the Seller under this Contract	Kindly adhere to NIT conditions.
		39.0 (page 44 of 332)	Commissioning Spares shall be deemed to be included in the quoted price	Commissioning spares not included in scope.	Noted
	GENERAL CONDITIONS OF CONTRACT (GCC-ETC)	4.1 (page 46 of 332)	The scope of work under this contract shall include the turnkey execution on End to End Basis , including Survey, Designing, manufacturing, inspection & testing, dispatches, loading , unloading, storage at site, erection & installation, testing of the installation, commissioning, handing over to the purchaser.	Noted. However storage at site not included in scope. -Structural and Civil work is not included in scope. -Obtaining statutory clearance & certification from Electrical Inspector and any other statutory authority is not included in scope.	Kindly adhere to tender document.
		4.6 (page 47 of 332)	After completion of E/T/C work , contractor has to obtain Electrical Inspector/BYPL's clearance certificate of the electrical installation	same is not included in scope.	Kindly adhere to tender document.
		5.1 (page 47 of 332)	The rates finalized for this order shall be firm for the entire duration of work carried out by the Contractor under the order and are not subject to any variation and escalation for any reason whatsoever.	In case of extension in contract period from proposed project execution period, which is not attributable to Seller, Seller can revise the prices as per mutual discussion and agreement with Purchaser.	Price shall be firm for entire project execution

		14.0 (page 50 of 332)	<p>- Penalty: A penalty of 2.5% of bill amount shall be levied in each case of non-compliance of safety practices and site cleanliness.</p> <p>- Liquidated Damages: In the event of any delay in completion of the work beyond the stipulated time given by in order due to reasons solely attributable to the Contractor, the Contractor shall pay to the Company liquidated damages.</p> <p>-If the Contractor failed perform the services within the time period specified in the order, the Company shall, without prejudice to its other remedies under the contract, deduct liquidated damages a sum equivalent to 1% of the Total order value for each week or part thereof of delay until the actual date of completion up to a maximum deduction of 10% of Total order value. Once the maximum is reached to Company may consider termination of contract without any liabilities to Company.</p>	<p>Penalty clause is not acceptable to SEIL</p> <p>*SEIL shall not be liable for penalty of any kind on account of delay not attributable to SEIL. We shall not accept any penalty on any other account. Bid is being submitted accordingly.</p>	Kindly adhere to NIT conditions.
		25.0 (page 54 of 332)	<p>Risks & cost-If the Contractor fails to execute the work as per specification / as per the direction of Engineer's In-charge within the scheduled period and even after the extended period, the contract shall got cancel and company reserves the right to get the work executed from any other source at the Risk & Cost of the Contractor. The Extra Expenditure so incurred shall be debited to the Contractor</p>	Same is not acceptable to SEIL	Kindly adhere to tender document.
		26.0 (page 54 of 332)	Arbitration	We request to accept - 'Sole Arbitrator t.o be appointed mutually by both the Parties, as per rules of Arbitration & Conciliation Act, 1996	Noted
		29.0 (page 57 of 332)	Termination- During the course of the execution, if at any time BSES observe and form an opinion that the work under the order is not being performed in accordance with the terms of this Agreement, BSES reserves its right to cancel this Agreement giving 15 days notice mentioning the reason for the termination of the agreement and BSES will recover all damages including losses occurred due to loss of time from Contractor	Either party can suspend or terminate by giving 30 days notice for any reason. Moreover, buyer shall pay seller complete amount for works already carried out with reasonable profit.	Kindly adhere to NIT conditions.
	Additional clause in GCC supply and GCC ITC	Scope	Any supply/work details not explicitly mentioned in this scope but mandatory for successful commercial operation of the substation shall be deemed to be included in bidder's scope.	SEIL 's scope shall be limited to BOQ and technical deviations/clarifications which would be submitted as offer documents. Any additional equipments/services required in future shall be offered on chargeable basis.	Additional requirement any due to any additional scope sought by bypl shall be considered. However any requirement to complete the project as defined in tender and further clarification shall be in bidder scope.
		Export Compliance		<p>The deliverables provided by Seller under this Agreement contain or may contain components and/or technologies from the United States of America ("US"), the European Union ("EU") and/or other nations. Buyer acknowledges and agrees that the supply, assignment and/or usage of the products, software, services, information, other deliverables and/or the embedded technologies (hereinafter referred to as "Deliverables") under this Agreement shall fully comply with related applicable US, EU and other national and international export control laws and/or regulations.</p> <p>Unless applicable export license/s has been obtained from the relevant authority and the Seller has approved, the Deliverables shall not (i) be exported and/or re-exported to any destination and party (may include but not limited to an individual, group and/or legal entity) restricted by the applicable export control laws and/or regulations; or (ii) be used for those purposes and fields restricted by the applicable export control laws and/or regulations. Buyer also agrees that the Deliverables will not be used either directly or indirectly in any rocket systems or unmanned air vehicles; nor be used in any nuclear weapons delivery systems; and will not be used in any design, development, production or use for any weapons which may include but not limited to chemical, biological or nuclear weapons.</p> <p>If any necessary or advisable licenses, authorizations or approvals are not obtained, whether arising from inaction by any relevant government authority or otherwise, or if any such licenses, authorizations or approvals are denied or revoked, or if the applicable export control laws and/or regulations would prohibit Seller from fulfilling any order, or would in Seller's judgment otherwise expose Seller to a risk of liability under the applicable export control laws and/or regulations if it fulfilled the order, Seller shall be excused from all obligations under such order and/or this Agreement.</p>	Any inclusion of additional clause not mentioned in our NIT shall not be considered and dealt separately as per condition and suitable norms.
1		COVID Disclaimer - Additional clause		<p>Notwithstanding any provision to the contrary, the Buyer agrees to accept the Contract on the basis that any stoppage, hindrance, delay or inability to perform arising from or due to the current Covid-19 epidemic or events subsequent (including but not limited to changes in laws, regulations, by-laws, quarantine and movement controls or restrictions) will be considered an excusable delay by the Seller without any consequence or any liability including, without limitation, delay penalties, liquidated or other damages or termination for default</p> <p>7.All or part of the products and/or the services to be delivered and/or performed, according to the present offer/contract ("Supplies") are produced, delivered, performed in, and/or sourced from areas that are or may become affected by the COVID-19 pandemic (including variants) and/or a shortage or interruption or delay in the transportation or procurement of raw materials, power and/or components ("Circumstances"). Such Circumstances, even if known at the time of issuing or signing the present offer/contract, may trigger stoppage, hindrance or delays in the Vendor's ability to produce, deliver, perform and/or source the Supplies. Consequently, notwithstanding any other provision of the contract or order:</p> <p>(a) The delivery schedule, performance schedule and/or lead times shall be deemed to be indicative and are provided for information purposes only. The Vendor shall inform the Buyer of any changes.</p> <p>(b) Such Circumstances shall be considered as a cause for excusable delay. The Vendor shall not be liable for any claims, costs or losses resulting from such delays including, without limitation, for delay penalties, liquidated or other damages. In addition, such delays shall not constitute grounds for termination for default.</p> <p>(c) If such Circumstances render the performance of the contract or order burdensome and/or more onerous for the Vendor (including increased costs to perform), both parties shall meet to adjust the contract</p>	Any inclusion of additional clause not mentioned in our NIT shall not be considered and dealt separately as per condition and suitable norms.

PROJECT	Survey, Design, Engg, Supply, Erection, Testing and Commissioning of New 11 kV Switchgear panels including Minor Civil Works and Dismantling of Existing Equipments on Turnkey Basis at Kailashnagar & Dallupura Grid, Delhi				
NIT Ref	CMC/BY/22-23/RS/MD/34				
Doc. Title	Pre Bid Queries Technical				
Sl. No.	Section No.	clause no.	Clause description	Comment	BSES Reply
1	SECTION-II INSTRUCTIONS TO BIDDER	2.0 (page 11 of 332) 3.a (page 79 of 332)	The scope of work under this contract shall include the turnkey execution on End to End Basis including Survey, Designing, manufacturing, inspection & testing, dispatches, loading ,unloading ,storage at site, dismantling of existing equipment, installation, testing of the installation, commissioning ,handing over to the purchaser.	Noted. However storage at site not included in scope. -Structural and Civil work is not included in scope. -Obtaining statutory clearance & certification from Electrical Inspector and any other statutory authority is not included in scope.	1. Storage at site not included in Bidder scope. 2. Structural and civil work shall be governed by Tender document. 3. Certification from In house Electrical Inspector shall be in Bidder's scope.
	PRICE BID FORMAT	17.2 (page 71 of 332)	Modification in Existing 11 kV Switchgear room for Kailashnagar	Need clarity on configuration of existing 11 kV SWGR panels and modification works required in existing panels.	Kindly discuss on call / face to face interaction.
		17.2 (page 74 of 332)	Modification in Existing 11 kV Switchgear room for Dallupura	Need clarity on configuration of existing 11 kV SWGR panels and modification works required in existing panels.	Kindly discuss on call / face to face interaction.
	SCOPE OF TURNKEY EXECUTION FOR 11 KV PANELS AT KAILASH NAGAR & DALLUPURA S/S	3.b (page 79 of 332)	Any supply/work details not explicitly mentioned in this scope but mandatory for successful commercial operation of the substation shall be deemed to be included in bidder's scope.	Offered Scope of supply and work shall be as per BOM and clarifications/deviations submitted along with bid. Any additional equipments required at later stage shall have price and time implications	Kindly adhere to Tender document.
		3.2.1 (page 80 of 332)	For Kailash Nagar Substation, Depth of Switchgear shall be 1550 mm	We are not complying to Depth requirement of 1550 mm	Kindly go through the layout of Kailash Nagar and find out any solution if any.
		3.2.1 (page 80 of 332)	For Dallupura Grid S/S, adaptor panel to avoid fouling with middle wall shall be considered by bidder if required	Beam not considered by us for the stability of structure, so this civil works shall be in BYPL's scope, BSES. Beam if present BYPL to confirm the same for considering Adaptor Panel.	Kindly visit the site and assess the condition. If beam is required at that place then it shall be in bidder's scope. Kindly consider adaptor panel for most stringent condition.
		3.2.16 (page 82 of 332)	Civil works- Civil works including extension of SWGR room by 3 meters in Kailashpur Grid -Civil works -Wall to dismantled in Old Switchgear Room to Erect New panels at Dallupura-	Any kind of Civil works for both Kailashnagar and Dallupura Grid S/S is not included in SEIL's scope. request customer to include CIVIL works in their scope.	Kindly go through the tender document for scope clarity.
		3.2.3 (page 82 of 332)	Cables and Associated Items	Please provide the basis of estimation/battery limit etc. for cables.	Kindly visit the site for estimation of quantity purpose.
		3.3.6.5 (page 84 of 332)	Construction of Gate	Same is not included in SEIL's scope	Kindly go through the tender document for scope clarity.
		3.3.6.2 (page 88 of 332)	Dismantling of cable trench if required.	Please clarify -Existing Trench to be modified or a complete new Trench to be made ?	Kindly consider new trench.
		3.6.6 (page 88 of 332)	Construction Water and power shall be arranged by Contractor at his own cost.	same is not included in SEIL's scope.	Construction water shall be in bidder's scope.
		3.6.16 (page 89 of 332)	Electrical Inspector Clearance	Not in scope.	Electrical inspector for 11 Kv shall be in house. I.e inspector shall be from BYPL. Hence clearance from the Inspector shall be in bidder's scope.
		3.6.22 (page 89 of 332)	Any damages done to the existing system, shall be repaired/ rectified/ replaced	SEIL shall not be liable for any repair /rectify and replacement occurred due to damage to existing system.	If damage is done by bidder then repair/rectify/replacement shall be in bidder's scope.
		3.6.24 (page 89 of 332)	External Agency Clearance	Not included in scope	Clearance from In-House Electrical Inspector shall be in bidder's scope
		4.1.6 (page 91 of 332)	Fire retardant coating on cables	Same is not mentioned in Price schedule and hence not complied and not included in scope. Please confirm if same is required.	Noted
		4.2 (page 95 of 332)	Enclosure degree of protection: IP 4X for high voltage compartment IP 5X for low voltage compartment	Overall degree of protection shall be IP 4X.	Noted
		4.3 (page 95 of 332)	Enclosure Material pf pre-galvanised CRCA	The panel enclosures are fabricated from Aluzinc sheets. The doors and covers are fabricated from CRCA sheets	Noted for panel enclosures. Doors and covers shall be fabricated from pre-galvanised CRCA.
		4.6 (page 95 of 332)	Separate Compartments for-Bus bar, Circuit Breaker, HV incoming cable, HV outgoing cable. PT, LV instruments & relays	Current transformers are located in the cable compartment. The Line VT is mounted on the breaker trolley of the associated feeder panel.	Noted
		4.16 (page 96 of 332)	Required HV cable termination height in the cable compartment -650 mm for 11 KV.	The height of cable termination shall be 550mm.	Noted
		4.19 (page 97 of 332)	APFC	Capacitor banks panel, APFC unit , Wiring of Bus PT , Incomer CT and Capacitor CT upto spare terminal for APFC are not included in scope.	APFC unit shall not be in bidder's scope. Although cabling for capacitor bank shall be in bidder's scope as per tender document.
		5.5 (page 97 of 332)	Tulip contact shall be provided without any gap between contacts	Breakers shall have finger contacts in line with our type tested design.	Noted. Although there shall not be any gap between finger contacts.
		8 (page 101 of 332)	Current transformers	CTs shall be epoxy cast wound / ring type. The same shall be suitable for withstanding the fault STC for 1sec. The VA burden for CTs shall be as per our offer BOM. Detailed calculation in support of the same shall be furnished during detail engineering in the event of an order. The CTs are designed and tested in line with IEC 61869-2. Minimum CT primary current shall be 50A.	1. Noted 2. Burden shall be finalized during detailed engineering subject to submission of calculations for connected burden with 50% margin. 3. Rest all parameters of CT/PT shall be as per specification
		9 (page 101 of 332)	Voltage Transformer	VTs shall be epoxy cast dry type. The VA burden for VTs shall be as per our offer BOM. Detailed calculation in support of the same shall be furnished during detail engineering in the event of an order. The VTs are designed and tested in line with IEC 61869-3. The Line VT is mounted on the breaker trolley of the associated feeder panel. Bus VT has not been considered.	1. Noted for VT Type 2. Burden shall be finalized during detailed engineering subject to submission of calculations for connected burden with 50% margin. 3. Noted for Line VT mounting 4. Bus VT shall be in bidder's scope as per specification.
		22 (page 122 of 332)	Nameplates	- Switchgear rating plates are performed as adhesive plastic foil - Labels for internal devices are performed as plastic stickers - Panel name plates are performed as adhesive plastic foil	Kindly put the point at the time of Technical Bid Evaluation.
		25.1.1 (page 124 of 332)	Last five years from date of bid submission. Bidder with type test report more than 5 years old needs to re-conduct the tests without any commercial implication to BSES	Type test reports are submitted, No fresh type test charges included in scope.	Noted.
		1.15.1(page 134 of 332)	Type Tests- Material-Tinned Electrolytic copper	Main bus plating shall be as per our type tested design	No deviation in this regard. Kindly adhere to specification.
		1.16(page 134 of 332)	Auxiliary bus bar - Electrolytic grade tinned copper	Aux. bus is not applicable. Control supply shall be distributed over wire bus.	Noted.
		6.4 (page 137 of 332)	Discharge class -3	Surge arrestors shall be Class 1 considering distribution application.	Noted.
	TECHNICAL SPECIFICATION OF CONVENTIONAL OIL FILLED DISTRIBUTION TRANSFORMER	pages- 152 to 233 of 332	Oil type Distribution Trafo	We have not referred to the specs, as Oil type Distribution Trafo is not required as per Price schedule.	Noted.
		2.1 (page 306 of 332)	SCADA	SCADA-Hardware, software, networking switches and cables required for interfacing S/S- SCADA to central SCADA system is excluded from scope. Our scope is limited to supply and integration of Ethernet switch with Numerical relays along with OFC cable inside S/S. Please provide details of distance from 11 kV SWGR panels to RTU/ central SCADA, also confirm hardware/ software required for hooking up meters to RTU. Currently we have not included in scope. Supply of hardware and integration of Ethernet Switches from S/S to RTU of S/S is not in our scope. We do not envisage any other work for SCADA.	RTU hardware and software part is in BYPL scope, rest all hardware and software is in vendor scope including network switches, Optical cables, CAT 6 cable upto RTU, etc RTU to central scada(MCC) is not in vendor scope. Noted, All numerical relays shall be connected to Ethernet switch with Optical patch cord in PRP network. MFM is looped in daisy chain and RS485 serial cable shall be laid upto RTU in 2 inch PVC pipe along with wall. Ethernet switches of CRP/switchgear panels is in vendor scope with their integration and configuration. CAT 6 cable shall be laid upto RTU switch in 2 inch PVC pipe along with wall, please refer tender document for SCADA work.

			Cables	We understand that 11 kV OG feeder cables and any cables which is going out side of SS are not included in our scope. Please provide battery limit for cables scope.	Noted for Outgoing Panel. Cables scope can be fetched from Tender document.
			Cabel trays	Cable tray estimation for our scope of supply cables only. Please confirm. There is no spec of cable trays, will consider GI/Ladder type. Please confirm.	Noted.
			Any supply/work details not explicitly mentioned in this scope but mandatory for successful commercial operation of the substation shall be deemed to be included in bidder's scope	SEIL 's scope shall be limited to BOQ and technical deviations/clarificaitons which would be submitted as offer documents. Any additional equipments/services required in future shall be offered on chargeable basis.	Noted. For after sale-service, please refer Guarantee/Warranty clause of NIT
			Surge arrestor	Gapless metal oxide type surge arrestors shall be provided for motor / capacitor and dry type transformer feeders only. The same shall be suitable for 2.5pu. Additional RC circuitry for the same is not envisaged.	Noted
			Lighting and Lightning work	Any kind of lighting OR lightning work is excluded from scope.	Kindly refer tender document for the same.
			Civil works	Any kind of civil work shall be in scope of BYPL. Please confirm.	Kindly refer tender document for the same.
			Turn Key Estimation	We understand 11 kV etc. ratings given in spec are firm and we require to estimate only for cables, tray, steel, earthing and lightning etc. for battery limit with in SS only. Please confirm.	Kindly refer tender document for the same.