

**RESPONSE ON PRE BID QUERIES OF NIT CMC/BY/19-20/RB/SV/011_INSTALLATION OF GIS GRID SUBSTATIONS ALONG
WITH ASSOCIATED INFED AND OUTGOING CABLES LAYING WORK ON TURNKEY BASIS - BYPL**

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
1				<p>This is w.r.to subject tender for “Installation of GIS Grid Substation along with associated infeed and out going cable laying works on turnkey basis “ for following substations:-</p> <p>Package 01 – 33KV /11KV GIS at Lakshi Nagar Package 02 – 33/11KV GIS Hargovind Enclave Package 03 – 66/11KV GIS Harsh Vihar/ Mandoli</p> <p>We would like bring in your notice that , we are eager to participate in subject tender. While referring tender documents we found that scope consists of following works as well other that substation works. As our core expertise is Electrical and Automation , hence request please remove / delete the following works from the scope , enable us to participate in the same.</p> <p>EHV & MV Cabling works (66 & 11KV cable) from Substation packages Road cutting permission Permission from relevant External and Internal Agencies regarding cable laying and commissioning (Traffic police, GAIL, IGL, IOCL, DMRC, Municipal corporation and similar agencies) Compliance of instructions/orders issued by National Green Tribunal /Central Pollution control board/any other agency related to pollution/Tree cutting permission ROW</p>	<p>Reply: This can not be removed from the scope as the tender is complete package Reply: should not be any problem as we will co ordinate and help in getting all the approvals all fees etc will be directly deposited by BYPL any way delays in approval is delay of our project. Reply: Replied above Reply: Replied above Reply: Replied above</p>
2				<p>In addition to above we also would like to request to confirm “ if ABB is participating in tender directly then can we also able to support to multiple EPC’s for products offering or not “ as per tender clause no. 17.00.</p>	<p>Reply: yes you can support as clarified during pre bid Despite of all above we would encourage you to quote directly as well.</p>
3	Price schedule Civil Works, Clause no. 2.2.7.9.3.1 & page no. 17	17	Type of Transformer Foundation	<p>Please provide detailed technical specifications for Transformer Foundation such as Type of foundation(Block or Pedestal type), Capacity of oil storage in Soak pit, grating details,gravel filling above grating etc.</p>	<p>Transformer foundation shall be block design. Details like soak pit capacity etc shall be in accordance with relevant standards/standard engineering practice and subject to BYPL approval during detailed engineering.</p>

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4	Price schedule Civil Works, Clause no. 2.2.7.9.3.18 & page no. 18	18	Specification & Details of Drain	Please provide the type of drain to be provided such as RCC ,brick, PCC trapezoidal drain.	Drain shall be of RCC type
5	Price schedule Civil Works, Clause no. 2.2.7.9.3.16 & page no. 18	18	Details of Rain Water Harvesting	Tender document does not specifies the subject Rainwater Harvesting System in detail. Please provide the appropriate specifications.	1800 (L) x 1800 (W) x 3000 (D) mm pit required for rain water harvesting. Balance details shall be finalized during detailed engineering
6	Price schedule Civil Works, Clause no. 2.2.7.9.3.3 & page no. 17	17	Specification and drawings of Bounday Wall	Please provide detailed technical specifications for Boundary Wall In absence of reply to above clarification, we propose to provide RCC Framed structure with brick infill of height 2m+600mm barbed wire at top. Please confirm	Boundary wall shall be RCC framed structure with brick infill. Height of boundary wall shall be 3m + 600mm of barbed wire
7	Price schedule Civil Works, Clause no. 2.2.7.9.3.12 & page no. 17	17	Specification for Fencing	Details required for construction of fence are missing in tender documents. Please provide the same.	Fencing material shall be galvanised MS Wire. Fencing shall be anticut and anti climb in nature.
8	Price Schedule 2.2.7.9.2 , Pg 16 , Price Schedule 2.2.7.9.3.18 Pg 18	16 & 18	Dimention of Control Room Building, Guard Room Building	Please Provide the Details of building along with Layout/Dimention Drawings	Plot dimensions alongwith tentative layout are enclosed for reference. Preparation of final layout based on site requirement to ensure compliance with tender specification and standards is in bidder's scope.
9	Technical Specification, Civil Works, Clause 5.14, 0, Pg 14	14	Cable Cellar First Floor Level	As per mentioned clause ,FFL of cable cellar is mentioned as 1200mm. Whereas as per general practice, te FFL of the buildings will be 500mm above FGL. Kindly clarify and revise the same.	Finished Ground Level (FGL)shall be finished outside road level at site. Finished Yard level shall be 350mm above FGL. Cable cellar finished floor level shall be 1200mm above FGL. Equipment foundation level shall be 900mm above FGL.
10	General	General	Statutory approval charges	We understand that the official charges for any statutory approval is not to be included in the quoted prices and the same will be reimbursed to us at actuals. Please confirm.	All statutory permission including necessary liasioning if any shall be arranged by bidders. However, all the statutory fees will be borne by BYPL on actual basis.

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11	Price schedule Civil Works, Clause no. 2.3.6.9.3.1 & page no 34	34	Type of Transformer Foundation	Please provide detailed technical specifications for Transformer Foundation such as Type of foundation(Block or Pedestal type), Capacity of oil storage in Soak pit, grating details,gravel filling above grating etc.	Transformer foundation shall be block design. Details like soak pit capacity etc shall be in accordance with relevant standards/standard engineering practice and subject to BYPL approval during detailed engineering.
12	Price schedule Civil Works, Clause no. 2.3.6.9.3.18 & page no 35	35	Drainage	Please provide the type of drain to be provided such as RCC ,brick, PCC trapezoidal drain.	Drain shall be of RCC type
13	Price schedule Civil Works, Clause no. 2.3.6.9.3.16 & page no 35	35	Details of Rain Water Harvesting	Tender document does not specifies the subject Rainwater Harvesting System in detail. Please provide the appropriate specifications.	1800 (L) x 1800 (W) x 3000 (D) mm pit required for rain water harvesting. Balance details shall be finalized during detailed engineering
14	Price schedule Civil Works, Clause no. 2.3.6.9.3.3 & page no 34	34	Specification and drawings of Boundary Wall	Please provide detailed technical specifications for Boundary Wall In absence of reply to above clarification, we propose to provide RCC Framed structure with brick infill of height 2m+600mm barbed wire at top. Please confirm	Boundary wall shall be RCC framed structure with brick infill. Height of boundary wall shall be 3m + 600mm of barbed wire
15	Price schedule Civil Works, Clause no. 2.3.6.9.3.3 & page no 34	34	Specification for Fencing	Details required for construction of fence are missing in tender documents. Please provide the same.	Fencing material shall be galvanised MS Wire. Fencing shall be anticut and anti climb in nature.
16	Price Schedule 2.3.6.9.2 , Pg 33, Price Schedule 2.2.7.9.3.18 Pg 18	33 & 18	Dimensions of Control Room Building, Guard Room Building	Please Provide the Details of building along with Layout/Dimension Drawings	Plot dimensions alongwith tentative layout are enclosed for reference. Preparation of final layout based on site requirement to ensure compliance with tender specification and standards is in bidder's scope.
17	Technical Specification, Civil Works, Clause 5.14, o, Pg 14	14	Cable Cellar First Floor Level	As per mentioned clause ,FFL of cable cellar is mentioned as 1200mm. Whereas as per general practice, the FFL of the buildings will be 500mm above FGL. Kindly clarify and revise the same.	Finished Ground Level (FGL)shall be finished outside road level at site. Finished Yard level shall be 350mm above FGL. Cable cellar finished floor level shall be 1200mm above FGL. Equipment foundation level shall be 900mm above FGL.

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19	Price schedule Civil Works, Clause no. 2.4.6.8.3.1 & page no. 52	52	Type of Transformer Foundation	Please provide detailed technical specifications for Transformer Foundation such as Type of foundation(Block or Pedestal type), Capacity of oil storage in Soak pit, grating details, gravel filling above grating etc.	Transformer foundation shall be block design. Details like soak pit capacity etc shall be in accordance with relevant standards/standard engineering practice and subject to BYPL approval during detailed engineering.
20	Price schedule Civil Works, Clause no. 2.4.6.8.3.18 & page no. 53	53	Drainage	Please provide the type of drain to be provided such as RCC ,brick, PCC trapezoidal drain.	Drain shall be of RCC type
21	Price schedule Civil Works, Clause no. 2.4.6.8.3.16 & page no. 53	53	Details of Rain Water Harvesting	Tender document does not specifies the subject Rainwater Harvesting System in detail. Please provide the appropriate specifications.	1800 (L) x 1800 (W) x 3000 (D) mm pit required for rain water harvesting. Balance details shall be finalized during detailed engineering
22	Price schedule Civil Works, Clause no. 2.2.7.9.3.3 & page no. 52	52	Specification and drawings of Boundary Wall	Please provide detailed technical specifications for Boundary Wall In absence of reply to above clarification, we propose to provide RCC Framed structure with brick infill of height 2m+600mm barbed wire at top. Please confirm	Boundary wall shall be RCC framed structure with brick infill. Height of boundary wall shall be 3m + 600mm of barbed wire
23	Price schedule Civil Works, Clause no. 2.4.6.8.3.12 & page no. 52	52	Specification for Fencing	Details required for construction of fence are missing in tender documents. Please provide the same.	Fencing material shall be galvanised MS Wire. Fencing shall be anticut and anti climb in nature.
24	Price Schedule 2.4.6.8.2 , Pg 51 Price Schedule 2.4.6.8.3.17, Pg 53	51 & 53	Dimensions of Control Room Building, Guard Room Building	Please Provide the Details of building along with Layout/Dimension Drawings	Plot dimensions alongwith tentative layout are enclosed for reference. Preparation of final layout based on site requirement to ensure compliance with tender specification and standards is in bidder's scope.

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25	Technical Specification, Civil Works, Clause 5.14, o, Pg 14	14	Cable Cellar First Floor Level	As per mentioned clause ,FGL of cable cellar is mentioned as 1200mm. Whereas as per general practice, the___14 FFL of the buildings will be 500mm above FGL. Kindly clarify and revise the same.	Finished Ground Level (FGL)shall be finished outside road level at site. Finished Yard level shall be 350mm above FGL. Cable cellar finished floor level shall be 1200mm above FGL. Equipment foundation level shall be 900mm above FGL.
26	General	General	Statutory approval charges	We understand that the official charges for any statutory approval is not to be included in the quoted prices and the same will be reimbursed to us at actuals. Please confirm.	All statutory permission including necessary liasioning if any shall be arranged by bidders. However, all the statutory fees will be borne by BYPL on actual basis.
27	General	General	Drawings of Civil Works	Please provide the standard construction drawings of Various activities/Civil Works	Construction drawings are part of detailed engineering which is in bidder's scope.
28	Annexure A: Pre Qualification Criteria for Selection of Contractor	Annexure A: Pre Qualificatio n Criteria for Selection of Contractor	Criteria QR-02: Bidder shall be the "Established EPC contractors" with the relevant experience of execution of AIS/GIS substation	As per requirement under dr. No. 1 of QR-02 "Incase EPC contractor does not have experience in GIS grid substation execution as specified in NIT. Erection of GIS panels shall be executed by "OEM" only" Apart from above For GIS Panel - EPC contractor shall supply GIS panel from OEM meeting QR-01. We wish to put forward request as under: 1) Since EPC contractor is meeting the Turnover financial requirement of Rs.1000crs. hence the requirement should be relaxed for OEM supporter as OEM will be responsible for Supply & erection of GIS panels only and rest all work with civil works will be responsibility of EPC contractor. 2) We understand that for EPC contractor without GIS experience, the authorization from OEM to fulfill the requirement as per tender will be sufficient. This is apart from the documents required as per QR-01. 3) In line with Sr. No. 2, whether EPC contractor can submit such authorization from multiple OEM's.	Tender document shall remain same. 1. Bidders are allowed to submit only one techno-commercial bid. 2. If the Bidder would like to submit bids with more than 1 OEM(GIS), they may do so subject to the condition that the OEM meets the Qualifying criteria as mentioned in NIT. 3. In any case, Bidder can submit bid with maximum 3 OEMs only. 4. However, Bidders are required to declare the name of single OEM(GIS) before Reverse Auction
29	General	General	GPS coordinates of proposed substation and cable infeed/outfeed layout	We request you to provide the soft copy of the GPS coordinates of proposed substation and layout plan of cable infeed/outfeed in AutoCAD.	Refer Corrigendum

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30	General	General	Submission of Hard copy of documents	For bidders participating in multiple packages, we propose that common technical cum qualification documents be acceptable. Also we have noted that the complete set of signed and stamped bid documents is to be submitted. We propose that a declaration giving acceptance to the tender terms/specifications/documents be allowed.	One set of documents can be submitted irrespective of nos. of packages being quoted by bidders considering the specific requirement for 33/66 KV Grids as applicable. However, Project methodology / technical solutions shall be submitted/elaborated package wise alongwith bid. Bidders can submit self declaration for technical documents. However, Bidders need to stamp and signed all pages of Commercial Volume.
31	General	General	Due Date of Submission	The common survey for the substation locations has concluded on 20-05-2019. We have to design the system based on the survey inputs and the clarifications from your side. Further we are yet to receive inputs from the equipment suppliers. The complete process will take time and it will be difficult for us to design, prepare and submit our competitive offer within the existing due date. We request you to give suitable time extension of minimum 30 days from the existing due date so as to enable us to prepare a competitive offer which will be beneficial to both.	Due date has already been extended upto 11.06.2019 and further extended upto 25.06.19. Please refer Corrigendum of the same which is uploaded on BYPL website.
32	Soil Report & Topography survey, FGL	Soil Report & Topography survey, FGL	General	Since soil investigation & topography survey at tender stage would not be possible, we kindly request you to provide the below details for each substation in order to quantify the civil works correctly. 1. Soil Investigation report 2. Topographic survey 3. Finished Ground Level	1. Soil Investigation report shall be shared in a while, Corrigendum of the same which is uploaded on BYPL website. 2. Topographic survey is in bidder's scope 3. Finished outside road level shall be considered as Finished Ground Level (FGL).
33	Site Survey Observation	Site Survey Observation	IFS permission for cutting the tree inside proposed substation area shall be in contractor scope. Fees for cutting the trees shall be paid by client	The density of Trees in Proposed Substation premises high and we understand that it will be a lengthy process to obtain the Clearance from IFS for removal of trees. We request you to please support the contractors in the legal procedures with IFS and delay what so ever for obtaining such clearances should not be imposed on contractors.	All statutory permission including necessary liaisoning if any shall be arranged by bidders. However, all the statutory fees will be borne by BYPL on actual basis.
34	Site Survey Observation	Site Survey Observation	Topological site survey report, SBC & Soil resistivity report of Proposed Locations	As already requested please provide topological site survey report, SBC & Soil resistivity report at earliest as without these details we won't be able to start our working	Soil Investigation report shall be shared in a while, Corrigendum of the same which is uploaded on BYPL website.

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35	Site Survey Observation	Site Survey Observation	Demolition of Existing Structure & Buildings	During Site survey we have observed that there are existing structures in proposed substation locations (Store Building, 2 Nos of Telecommunication Tower, 1 No of Lighting Mast, 4 Nos of Street Light poles, etc.). We presume that dismantling of these structures are not in contractor's scope as there are no separate items in BOQ for Dismantling of these structures.	Store building dismantling is in vendor's scope as per Tender document. Lighting mast shifting shall also be in vendor's scope.
36	Site Survey Observation	Site Survey Observation	Barricading / Boundary Wall For proposed Substation	From Site survey we understand that separate barricading of proposed Substation will be required even though the proposed substation is with in the existing 220 kV Substation area. Please confirm. Also please provide the length of Barricading /Boundary wall which need to be constructed.	Barricading is required along the boundary shared with DTL. Please refer plot layout for dimensions
37	Site Survey Observation	Site Survey Observation	Supply of New RMU (Extensible Type, Compatible With Existing RMU)	Referring to item no 2.3.8.6 Motorized RMU, the make of RMU is AREVA make is obsolete. Please provide the serial no of existing RMU and type (Extensible / non extensible) so that the newly supplied RMU will be compatible with Existing RMU	RMU installed at site is of AREVA make (outdoor) which is same as present day Schneider RMU. Hence One way Schnedier RMU suitable for coupling with existing RMU shall be provided.
38	Site Survey Observation	Site Survey Observation	Structure for Shahdara nala crossing	Referring to item no. 2.3.3.55 Bridge over Shahdara Drain for Crossing we have came to know during site survey that crossing is required for 5 No of 33 kV & 11 kV Cables. However in BOQ the requirement is for 10 Nos of 11 kV & 33 kV Cables. Please confirm the requirement. as the design of structure need to be done as per actual requirement.	Kindly adhere with tender document (i.e. bridge required for 10 Nos of 11 kV & 10 nos 33 Kv Cables.)
39	Site Survey Observation	Site Survey Observation	Item No 2.2.7.8 Dismantling of Existing Building and Shifting of RMU	Please provide the Layout drawing and Dimension of Existing building	Joint site visit has already been carried out on 20.05.2019 with present bidders. In case of any doubt, bidders are free to revisit the site to assess the work qunatum
40				Kindly share price schedule BOQ in excel format as your NIT document is password protected.	Provided, we have provided format of price bidsin the NIT, Detailed line items are covered under scope of work

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41				<p>With reference to the subject cited, we would like to inform you that we are very much keen to participate in the above cited tender as Substation EPC having own manufacturing facilities in HV / MV GIS, Transformers and other Switch gear equipments.</p> <p>As a standard practice with most of the states / central utilities the substation and the transmission lines/ Cables are being floated as separate tenders to facilitate the respective EPCs (Substation or Transmission line/ Cable) to participate and perform the project in accordance with their expertise.</p> <p>In view of the above we request you to kindly split the package as Substations and In-feed Outgoing cable laying work as per the standard practices including the practices followed by your esteemed organization in the previous tenders enabling us to submit our most competitive bid.</p> <p>We hope the above split would benefit competitive bidding including timely and quality execution of the respective packages.</p> <p>Thanking you in the anticipation of positive response and looking forward to work with your esteemed organization.</p>	Tender document shall remain same
42	Due date of Bid Submission		Due date of Bid submission is 27.05.2019	<p>Although we have already asked prices from our sub vendors & have been following up for the same but till date, we have not received the prices & are unable to submit our offer for the subject Tender on due date (i.e. 27.05.2019).</p> <p>In view of the above, we request you to kindly provide extension in due date up to 26.06.2019 enabling us to submit our competitive offer & oblige.</p>	Due date has already been extended upto 11.06.2019 and further extended upto 25.06.19. Please refer Corrigendum of the same which is uploaded on BYPL website.

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43	Information to bidder Instruction to bidder, Qualification Criteria QR-02 : For the Established EPC Contractor	Page 15 of 19	<p>Bidders shall be "EPC contractor " with the relevant experience in the field of installation and commissioning of 66 KV or 33 KV or Higher Voltage rating GIS/AIS Substation, along with the complete Supply, Installation , Including all Associated Civil and cabling Works.</p> <p>Incase EPC contractor does not have experience in GIS grid Substation execution as specified in NIT, Erection of GIS panels shall be executed by "OEM" Only</p> <p>For GIS Panel- EPC Contractor shall supply from the GIS – OEMs and adhere to the Qualification Criteria as specified for "GIS - OEM" in the PQR conditions (QR-01)</p>	<p><i>In case GIS Manufacturer wants to supply GIS as a Sub contractor to EPC who is qualified through " Qualification Criteria QR -02 : For the Established EPC Contractor route " then QR for GIS Manufacturer shall be limited to below:</i></p> <p><i>1. Shall be a Manufacturer (OEM) of "GIS Panels "of 66 kV /33 kV or Higher Voltage rating, with manufacturing base in India. Offered GIS equipment shall be supplied from Indian manufacturing unit only.</i></p> <p><i>2. Shall have designed, manufactured, tested (as per IEC or equivalent standard), supplied and supervised erection & commissioning of GIS in atleast 2 No. of GIS Substations & performance certificate for same shall be submitted from two (2) reputed Electricity Board/ reputed company in India /Abroad , transmission and distribution utilities for the 66 KV or 33 KV or Higher Voltage Rating of GIS.</i></p> <p><i>3. Shall have servicing , repairing, testing & refurbishment facility in India with necessary spares and testing equipment for providing prompt after sales service for GIS.</i></p> <p><i>Kindly accept the same</i></p>	Tender document shall remain same

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44	Volume 1 - ITB , Clause 1.1		The schedule of specifications with detail terms & conditions can be obtained from adress given below against submission of non-refundable demand draft of Rs 1,180/- drawn in favour of BSES Yamuna Power Ltd, payable at Delhi.	We understand that submission of Demand draft in hard copy along with the technical Bid shall serve the purpose for Tender fee. Please confirm	Yes
45	Volume 1 - ITB , Clause 3.01 - Bid Submission		The Bidders are required to submit the Bids in 2(two) parts and submitted in 1 original + 1 duplicate	We understand that the complete Bid (comprising of one original + one duplicate) shall be submitted in Hard Copy only . No Soft copy of the Bid to be uploaded . Please Confirm	Soft copy of complete technical bid in pen drive is also required to be submitted along with the Bid
46	Volume 1 - ITB , Clause 3.01 - Bid Submission, Part A SI No.3		Power of Attorney - In prescribed stamp paper & format	We couldn't find any particular format for Power of Attorney . Kindly Provide the same	No Specific Format for the same, shall be as per the prescribed Indian Laws
47	Volume 1 - ITB , Clause 9		EMD	We understand that only single EMD with total value of three packages i.e INR 96 Lakhs shall be submitted along with the Bid . Please confirm	Bidders can submit single consolidtesd BG of the EMD amount of all quoted packages OR individual BG for package wise EMD amount
48	Volume 1 - Annexure A, Clause 1/2/3 , SI no 11/11/6 respectively		Type Test	We understand that submission of only valid Type Test Certificates will do instead of submitting the whole reports . Kindly Confirm	Whole report has to be submitted for offered design.
49	Volume 1 - Annexure A, Clause 1/2 , SI no 13/13 respectively		Valid Electrical Licence	In Case the Bidder did not posses Electrical licence issued by the Delhi Govt , A undertaking stating that he will submit the required certificate at the time of award of Contract will be sufficient for qualifying. Please Confirm	Bidders can submit electrical licenses of other state. However, they must submit undertaking to provide valid electrical licenses issued from Delhi Govt. before start of work, if awarded.
50	GENERAL		-----	Please provide editable format of the tender Documents and if possible excel format for the schedule of quantities.	Noted & Provided

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51	General		--	Please provide the general arrangement drawing and plot plan with all dimensions for us to prepare the tender layout.	Plot dimensions alongwith tentative layout are enclosed for reference. Preparation of final layout based on site requirement to ensure compliance with tender specification and standards is in bidder's scope.
52	General		--	We understand that building shall have two floors with cable cellar on ground and control cum GIS on first floor. Please provide the size of the building and all rooms.	Sizing of building is part of detailed engineering and in bidders scope
53	General		--	In the BOQ it is mentioned that GIS and all other rooms shall be on the first floor. So we understand that height of all the rooms shall be same and shall be decided by height of GIS room.	Height of rooms shall be decided by the equipment having maximum height.
54	General		--	Please specify the height of cable cellar.	Height of 4m is recommended for cable cellar. However, height of cable cellar room shall be finalized during detailed engineering based on functional requirements for switchgear. Operation and maintenance considerations shall also be taken into account.
55	General		--	Please provide the trench layout to estimate the cable quantity.	Trench layout is part of detailed engineering and in bidders scope
56	General		--	Please specify the no. of runs of 66kV 3CX300 sq. mm cable needs to be considered for each feeder.	Proposed Laxmi Nagar grid is 33/11 kV Grid. Infeed cable shall be 33 kV 3Cx400 sq mm. Each circuit shall have 2 runs. Refer scope of turnkey execution for details
57	General		--	Please specify the no. of runs of 11kV 1CX1000 sq. mm cable needs to be considered for each feeder.	Nine runs of cables (3 runs for each phase) shall be laid from each power transformer to 11kV incomer panel. Refer scope of turnkey execution for details.
58	General		--	Please specify the no. of runs of 11kV 3CX300 sq. mm cable (for capacitor bank) needs to be considered for each feeder.	Two runs of cables shall be laid for each capacitor bank. One run cable will be laid for each outgoing feeder. Refer scope of turnkey exeectuion for details.
59	General		--	Please specify the conductor type to be used for overhead and jumper connections.	Although, there is no requirement for installation of Jumpers or overhead conductors, still if required, insulated zebra conductor shall be used.
60	General		--	We understand that main earth mat shall be of 40mm DIA MS rod and all connection to equipments and panels shall be done by 50X6 GI Flat. Kindly confirm.	Earthing shall be carried out using copper bonded rod. Refer earthing specification for details.

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61	General		--	Please specify the size of the 220V battery to be considered for this substation.	Kindly go through "TECHNICAL SPECIFICATION FOR Li ION BATTERY BANK"
62	General		--	Please provide the general arrangement drawing and plot plan with all dimensions for us to prepare the tender layout.	Plot dimensions alongwith tentative layout are enclosed for reference. Preparation of final layout based on site requirement to ensure compliance with tender specification and standards is in bidder's scope.
63	General		--	We understand that building shall have two floors with cable cellar on ground and control cum GIS on first floor. Please provide the size of the building and all rooms.	Sizing of building is part of detailed engineering and in bidders scope. Please refer civil works specification and ensure compliance.
64	General		--	In the BOQ it is mentioned that GIS and all other rooms shall be on the first floor. So we understand that height of all the rooms shall be same and shall be decided by height of GIS room.	Height of rooms shall be decided by the equipment having maximum height.
65	General		--	Please specify the height of cable cellar.	Height of 4m is recommended for cable cellar. However, height of cable cellar room shall be finalized during detailed engineering based on functional requirements for switchgear. Operation and maintenance considerations shall also be taken into account.
66	General		--	Please provide the trench layout to estimate the cable quantity.	Trench layout is part of detailed engineering and in bidders scope
67	General		--	Please specify the no. of runs of 66kV 3CX300 sq. mm cable needs to be considered for each feeder.	Proposed grid is 33/11 kV Grid. Infeed cable shall be 33 kV 3Cx400 sq mm. Each circuit shall have 2 runs. Refer scope of turnkey execution for details
68	General		--	Please specify the no. of runs of 11kV 1CX1000 sq. mm cable needs to be considered for each feeder.	Nine runs of cables (3 runs for each phase) shall be laid from each power transformer to 11kV incomer panel. Refer scope of turnkey execution for details.
69	General		--	Please specify the no. of runs of 11kV 3CX300 sq. mm cable (for capacitor bank) needs to be considered for each feeder.	Two runs of cables shall be laid for each capacitor bank. One run cable will be laid for each outgoing feeder. Refer scope of turnkey exeectuion for details.
70	General		--	Please specify the conductor type to be used for overhead and jumper connections.	Although, there is no requirement for installation of Jumpers or overhead conductors, still if required, insulated zebra conductor shall be used.
71	General		--	We understand that main earth mat shall be of 40mm DIA MS rod and all connection to equipments and panels shall be done by 50X6 GI Flat. Kindly confirm.	Earthing shall be carried out using copper bonded rod. Refer earthing specification for details.

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73	General		--	We understand outdoor 66kV and 11kV cable trench shall be extended into GIS room and no cable cellar is required. Kindly confirm.	Cable cellar is required. Refer civil works specification for details
74	General		--	In case no cable cellar is required, building shall have ground floor only. Kindly confirm.	Cable cellar is required. Refer civil works specification for details
75	General		--	Please provide the general arrangement drawing and plot plan with all dimensions for us to prepare the tender layout.	Plot dimensions alongwith tentative layout are enclosed for reference. Preparation of final layout based on site requirement to ensure compliance with tender specification and standards is in bidder's scope.
76	General		--	We understand that building shall have two floors with cable cellar on ground and control cum GIS on first floor. Please provide the size of the building and all rooms.	Sizing of building is part of detailed engineering and in bidders scope. Please refer civil works specification and ensure compliance.
77	General		--	In the BOQ it is mentioned that GIS and all other rooms shall be on the first floor. So we understand that height of all the rooms shall be same and shall be decided by height of GIS room.	Height of 66kV GIS Room shall be in accordance with switchgear and EOT crane requirement. However, height of balance rooms (excluding 66kV GIS room) need not be matched with height of 66kV GIS room. Height of balance rooms shall be matched and shall be in accordance with equipment having maximum height. Height of rooms shall not be less than 4m in any case.
78	General		--	Please specify the height of cable cellar.	Height of 4m is recommended for cable cellar. However, height of cable cellar room shall be finalized during detailed engineering based on functional requirements for switchgear. Operation and maintenance considerations shall also be taken into account.
79	General		--	Please provide the trench layout to estimate the cable quantity.	Trench layout is part of detailed engineering and in bidders scope
80	General		--	Please specify the no. of runs of 66kV 3CX300 sq. mm cable needs to be considered for each feeder.	Proposed grid is 66/11 kV Grid. Infeed cable shall be 66 kV 3Cx300 sq mm. Each circuit shall have 2 runs. Refer scope of turnkey execution for details
81	General		--	Please specify the no. of runs of 11kV 1CX1000 sq. mm cable needs to be considered for each feeder.	Nine runs of cables (3 runs for each phase) shall be laid from each power transformer to 11kV incomer panel. Refer scope of turnkey execution for details.

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
82	General		--	Please specify the no. of runs of 11kV 3CX300 sq. mm cable (for capacitor bank) needs to be considered for each feeder.	Two runs of cables shall be laid for each capacitor bank. One run cable will be laid for each outgoing feeder. Refer scope of turnkey exeectuion for details.
83	General		--	Please specify the conductor type to be used for overhead and jumper connections.	Although, there is no requirement for installation of Jumpers or overhead conductors, still if required, insulated zebra conductor shall be used.
84	General		--	We understand that main earth mat shall be of 40mm DIA MS rod and all connection to equipments and panels shall be done by 50X6 GI Flat. Kindly confirm.	Earthing shall be carried out using copper bonded rod. Refer earthing specification for details.
85	General		--	Please specify the size of the 220V battery to be considered for this substation.	Kindly go through "TECHNICAL SPECIFICATION FOR Li ION BATTERY BANK"
86	General		Soil investigation report	Please provide to us the preliminary soil investigation report to ascertain the soil strata and soil bearing capacity value (SBC value) of the proposed substations to assess the foundations design of control room building and other equipments structure design	Soil Investigation report shall be shared in a while, Corrigendum of the same which is uploaded on BYPL website.
87	General		Soil Resistivity Report	We are considering normal soil with resistivity <100 Ohms and without piling. If during execution stage, if any piling is required and soil resistivity coming more than 100 ohms, then extra price implication would be applicable else please provide us with the soil resistivity report of the proposed substations.	Soil Investigation report shall be shared in a while, Corrigendum of the same which is uploaded on BYPL website.. Design shall be based on the same. No price implication request will be entertained in this regard.
88	General		Contour map/Topographical Survey Report	We request you to provide us the details for the contour survey /Topographical survey of the proposed substations to assess the foundations design, cutting and filling of qty's for tender works. Requested to provide	Soil Investigation report shall be shared in a while, Corrigendum of the same which is uploaded on BYPL website.
89	General		Civil Design	Please provide the FGL to considered for proposed 33/11 kV Laxmi Nagar S/S, 33/11 KV Hargovind Enclave S/S,66/11 KV Mondoli Jail S/S.	Finished outside road level shall be considered as Finished Ground Level (FGL).
90	General		Space for laydown area	We understand Space for laydown area viz Site office, Fabrication yard etc. shall be provided to us free of cost in vicinity of Site. Kindly Confirm.	Bidder has to accommodate all these activities in site premises. No additional space will be provided.

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91	General		Layout plan Drwg of Control Room Building, Rain water harvesting system, Road, underground water tank with electrical (Booster) pump, Security Guard Room, Cable Trench of power and control Cable , Fencing with gate etc.	Please provide the following drawings for the proposed 33/11 kV Laxmi Nagar S/S, 33/11 KV Hargovind Enclave S/S,66/11 KV Mondoli Jail S/S:- - Layout Plan and section detail drawing of the proposed control room building inside substations. - Detail drawing of rain water harvesting system inside substations. - Detail layout drawing of the road inside substations. - Detail layout drawing of underground water tank with electrical (Booster) pump and kindly furnish its Size & volume inside substations. - Detail layout drawing of Security Guard room inside substation - Detail layout drawing of Cable Trench of power and control Cable inside substation - Detail layout drawing of Fencing with gate inside substation.	Plot dimensions alongwith tentative layout are enclosed for reference. Preparation of final layout and detailed drawings based on site requirement to ensure compliance with tender specification and standards is in bidder's scope.
92	General		Tree cutting Inside Proposed 33/11 kV Laxmi Nagar S/S, 33/11 KV Hargovind Enclave S/S,	We would like to inform you that a lots of tree inside proposed substations. Please confirm that these trees are BSES property or forest department property. If it is forest department property, their cutting approval is very difficult. Hence, we are requesting you that BSES take ROW approval of tree cutting from consult department.	All statutory permission including necessary liasioning if any shall be arranged by bidders. However, all the statutory fees will be borne by BYPL on actual basis.
93	General		Distance of Nearest Store	Please provide the distance of the nearest Store from Site location/s where the materials have to be deposited after dismantling.	Within Delhi and shall be in 30Km range
94	General		Shutdown required	Please confirm that the Shutdown required for all Overhead related jobs shall be arranged by M/s BSES as & when required. Request Clarification: Please Confirm	All shutdown shall be provided by BSES Yamuna Power Limited subject to notice period of atleast 14 days prior to shutdown.
95	General		Shahdara Drain Crossing at 66 kV Site	As per Package No-2, Infeed service Item No:- 2.3.3.55, "Construction of bridge over Shahdara Drain ".But Supply Item of drain crossing is not considered in supply price schedule. Required Clarification: - Please clarify and provide us separate line item of the same in supply price schedule.	Supply items associated with bridge construction shall also be in scope of vendor. Associated material such as cement, reinforcement bars, aggregate, structural steel etc are in bidder's scope of supply and line item named Material for civil works is already included in supply schedule

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
96	General		Tree cutting obstacles on proposed Cable work	On the proposed Cable route, a lots of tree on proposed cable route. Cutting of trees is not possible and roads are very narrow for cable laying. Required Clarification: - Kindly clarify the standard methodology of cable laying in proposed cable route	All clearances from various agency shall be in vendor's scope. Although, statutory fee shall be in BYPL scope.
97	General		Technical Bid Submission for multiple packages.	As the packages are grouped under one NIT, for the same bidder can submit a single Technical bid for all the packages under the NIT. Please confirm.	One set of documents can be submitted irrespective of nos. of packages being quoted by bidders considering the specific requirement for 33/66 KV Grids as applicable. However, Project methodology / technical solutions shall be submitted/elaborated package wise alongwith bid.
98	General		EMD – BG Submission for multiple packages.	As the packages are grouped under one NIT, for the same bidder can submit a single EMD-BG for all the packages under the NIT. Please confirm.	Bidders can submit single consolidated BG of EMD amount of all quoted packages OR individual BG for package wise EMD amount
99	SCC	2.0 Sr. No. 5	Permission for road cutting from road owning agencies, tree cutting and other statutory clearances (including all coordination and liasoning) shall be obtained by Bidder. However, all direct fee shall be borne by BYPL.	The time taken for permission of road cutting from road owning agencies, tree cutting and other statutory clearances to be considered under time extension in addition to the completion time of the project. Please confirm.	Please plan all activities within the execution schedule
100	SCC	2.0 Sr. No. 14	R&R clearance shall also be part of contractors scope of work, however all statutory payment shall be borne by BYPL	Please clarify the scope covered under the R&R Clearances.	All statutory permission including necessary liasoning if any shall be arranged by bidders. However, all the statutory fees will be borne by BYPL on actual basis.
101	SCC	2.0 Sr. No. 15	Electrical inspection clearance certification from Chief Electrical Inspector of Delhi and other statutory authority of charging the substation are in scope of contractors.	All fees for electrical inspection clearance certification from Chief Electrical Inspector of Delhi and other statutory authority of charging the substation to be borne by BYPL. Please confirm.	All statutory permission including necessary liasoning if any shall be arranged by bidders. However, all the statutory fees will be borne by BYPL on actual basis.

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
102	SCC	5	The Contract Price shall remain "FIRM" throughout the contract execution. No Price Variation and/or escalation on any account shall be payable to the contractor for any reason whatsoever.	Price Variation for capital equipment's to be allowed. Please confirm.	Tender document shall remain same
103	Annexure - 1	Execution Schedule	Zero Date (Letter of Award)	The zero date for the project of each substation to be considered after handing over of clear site for substation from BYPL. Please confirm.	The zero date for the project of each substation shall be considered from the date of Letter of Award (LOA) or award of order, whichever is earlier
104		General	Dismantling and Shifting of High Mast and Signaling towers at proposed 33/11 kV Hargovind Enclave site.	We understand that Dismantling and Shifting of High Mast and Signaling towers in BYPL Scope as there is no line item BOQ. Please Confirm.	Dismantling of any lighting mast, signalling tower and Pole in grid area shall also be in vendor's scope
105	Scope of Turnkey Execution Work	2.2.6.1 and 2.2.6.3 or 2.3.5.1 and 2.3.5.3 or 2.4.5.1 and 2.3.5.4	Arrangement of Bus Riser Panel Wherever Applicable.	We understand that Bus Riser Panels are not required in Package – 1,2 & 3 as all are New GIS substation only, No augmentation work required, Please confirm.	Bus riser is a mandatory requirement with Bus coupler panel.
106			Site location for proposed 66 kV Mandoli jail complex substation.	Please confirm, Site location of proposed 66 kV Mandoli Jail complex substation is in Mandoli Jail residential complex as Guided by BSES personals during the site visit.	Land layout with longitude and latitude already attached for ready reference
107	36kV GIS spec	clause -3.0-1)	ambient temp 50deg c	Please accept, panel ratings are designed with an ambient temperature of 40°C as per IEC . For a higher ambient temperature, suitable derating is applicable. For a design ambient of 45°C & 50°C , the 1250A panel is suitable for a continuous current rating of 1200A & 1150A respectively .	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
108	36kV GIS spec	clause -3.0-3)	Maximum Humidity - 100%	Please accept "The conditions of humidity are as follows: 1) The average value of the relative humidity, measures over a period of 24 h, does not exceed 95 %. 2)the average value of the relative humidity, over a period of one month, does not exceed 90 %;"	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
109	36kV GIS spec	clause -5.0-21	separate CRP	we can provide panel height less than 2500 mm , however the operating max operating height of the measuring instruments shall be 1800 MM. kindly accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
110	36kV GIS spec	clause -5.0-22	mimic width - 12 mm	Please accept, width of mimic is 10 mm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
111	36kV GIS spec	clause -6.0-10) 15)	position detector	Please accept, Position detection shall be through end position limit switches. Proximity sensors is old out dated technology ,that was used in earlier GIS versions and is no more available now.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
112	36kV GIS spec	clause 6 / SLD	Line side isolator	we are unable to provide line side isolators / earth switch in the GIS panels as the same has no technical usage. Please accept	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
113	36kV GIS spec	clause - 7.0 1)	interlock	To prevent switching on a circuit breaker when the feeder is earthed - in MV GIS earthing is via CB hence the CB needs to be switched on after the ES has been made on. This needs to be done to earth the line.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
114	36kV GIS spec	clause 10	Surge suppressors	we shall provide surge arrestors, Please accept.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
115	36kV GIS spec	clause 11	Current transformer	CT are located inside the gas tank for the Bus coupler panel, Please accept.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
116	36kV GIS spec	clause 14.3	energy meter provisions	We are unable to provide energy meter cut out provision in incomer panels as the panel door is already too full with the other relays , meters , switches , lamps etc. we shall provide cut out for energy meter i.e HPL BRPL meter in the bus VT panel. HPL BRPL meter is not in scope of supply, Please accept.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
117	36kV GIS spec	clause 15.3	Annunciator and hooter	Annunciator and hooter cannot be provided in the panel door due to dimensional constraints. We request BRPL to remove it from the scope of supply.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
118	36kV GIS spec	clause 16.4.3	Ammeter voltmeter communication as IEC 61850.	We shall be providing digital ammeter and voltmeter in panels, however the ammeter and voltmeter do not have any communication facility. The MFM provided in the panel shall have communication facility in modbus protocol, Please accept.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
119	36kV GIS spec	clause 17.1.3 / 17.1.4	Ammter /voltmeter selector switch	we shall be providing digital ammeter and volmeter , hence selector switch is not required, Please accept.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
120	36kV GIS spec	clause 21.2	protective relay requirement	please provide the protection requirement and DI/DO requirement for 33KV GIS . The offered specifications are for 66 kV GIS.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
121	36kV GIS spec	clause - 21.4.1	Trip supervision relays	Lock out & Trip supervision relays shall be part of Numerical relay. Separate relay not envisaged.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
122	36kV GIS spec	clause -24.1	relay approved makes	we shall provide the following relays. Kindly accept the same. 1) O/c & E/f relay - ABB REF 620 (high DI/ DO requirement , REF615 has only 16/10 Di/DO) 2) Transformer Diff relay :- ABB RET 615 3) Line Diff + Distance relay - ABB REL650	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
123	36kV GIS spec	clause -25.9	Terminal block make	Terminal block shall be Phoenix & Wiedmueller. Kindly accept	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
124	36kV GIS spec	clause - 25.11	Surge arrestor make	Surge arrestor is of plug in type and the make shall be NKT / Nexans, Please accept.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
125	36kV GIS spec	clause -35.	Type test reports validity	All type test reports of all reputed MV GIS Manufactures for the supplied panels are more than 5 years old. Since , the design of the panels have not changed since the last type test hence all the type test are still valid.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
126 127	36kV GIS spec	ANNEXURE-B	enclosure degree of protection	IP 4X for LV compartment as the product is indoor switchgear,.	Noted. Please submit clausewise deviation alongwith technical bid.
128	36kV GIS spec	ANNEXURE-B Switchgear	temperature rise	as per IEC limits.	Noted. Please submit clausewise deviation alongwith technical bid.
129	36kV GIS spec	ANNEXURE-B Switchgear	CT va burden	15 VA / 30 VA is not possible to provide in CT's due to dimensional constraints. We the max VA shall be 5 VA , which is enough to cater the secondary load of the relays and meter. Detailed calculation shall be submitted. Request you to accept the same	Noted. Please submit clausewise deviation alongwith technical bid.

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
130		ANNEXURE-B -4 Voltage Transformer	draw out type VT VT primary fuse VT va Burden	1) The bus Vts are fixed in the panel with disconnecting switch . Line VT's are cable connected type. 2)all VT's are plug in type hence primary fuse cannot be provided . 3) the max VA burden of each core of VT shall be 15 VA . Higher VA cannot be provided on account of dimensional constraints. The offered VA is enough to cater the secondary load connected to VT's. Kindly accept the same	Noted. Please submit clausewise deviation alongwith technical bid.
131	36kV GIS spec	ANNEXURE-B -5	HV fuse	Not applicable for MV GIS.	Noted. Please submit clausewise deviation alongwith technical bid.
132					
133	36kV GIS spec		motorised line VT disconnecting switch	Plug- in type of line VT shall be provided with disconnecter link. The disconnecter link shall be manual operated. Please accept.	Plug in Type VT and disconnecter type VT cannot be provided simultaneously. Point not clear.
134	36kV GIS spec		Motosied BUS VT disconnecting switch	Motorised line VT and Bus VT cannot be provided. Bus VT with manual disconnecting switch shall be provided. Please accept.	Please submit clausewise deviation alongwith technical bid.
135	36kV GIS spec		Bus Earthing switch	in MV GIS , Bus earthing is done via bus coupler and separate bus earthing switch is not required. Please Accept	Please submit clausewise deviation alongwith technical bid.
136	36kV GIS spec		51N SEF protection	51N SEF protection shall be provide via a CBCT and the part of the main O/C ,E/F relay of the panel.	51 N SEF is not the part of specification. Kindly go through the specification
137	36kV GIS spec		TMU - transformer feeder	Please elaborate the protection requirement. We have not considered TMU in GIS scope of supply.	There is nothing called TMU in the specification. Please go through the specification.
138	BOQ		HDPE Pipe	The Quantity and Size Given in Supply and Erection BOQ does not match each other. Please correct.	In scope of supply, total Quantity of HDPE pipe is mentioned. In scope of work, it is bifurcated in i. Laying of cable in HDPE pipe in open excavated trench ii. Laying of cable in Trenchless using HDPE pipe. Total quantity of HDPE pipe in above mentioned activities is equal to quantity of HDPE pipe to be supplied
139	Technical Specification		Technical specification of Control and Relay Panel.	The Technical Specification is not available in the tender documents. Please provide.	Control and relay panel specification is integral part of the specification of 66 kv GIS. Please go through the specification of 66kV GIS in detail. No separate CRP is required for 33kV GIS.

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140	BOQ		EOT Crane.	Item for EOT crane mentioned in erection BOQ only, no supply item is given. We understand EOT crane supplied by BSES, please confirm our understanding.	Supply of EOT crane is in bidder's scope. Scope of supply clearly includes material for civil works. Specification for civil works also includes supply of EOT crane in bidder's scope (refer page 5 of 18 of civil works specification)
141	BOQ		RMU Erection	In the erection BOQ, RMU item is not mentioned. Please add .	ETC of RMU is mentioned in scope of work. Please refer scope of turnkey execution document.
142	General		Power Transformer and RTCC Panel	Whether RTCC Panel is required or not. Please confirm.	RTCC Panel not required as "Transformer Monitoring cum AVR Relay" is part of switchgear specification
143	General		Due date extension.	We also request you to extend the due date for further 4 week from present due date.	Due date has already been extended upto 11.06.2019 and further extended upto 25.06.19. Please refer Corrigendum of the same which is uploaded on BYPL website.
144	Technical Specification 66 kV GIS	The Bill of Quantity/1.4	The apparatus to be supplied by the bidder shall include but not be limited to the following.	With reference to subject clause ,we understand that GIS modules to be supplied by the bidder shall be as per bay configuration defined in Single line diagram(SLD) for line , transformer, bay coupler & Bus PT .kindly confirm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
145	Technical Specification 66 kV GIS	The Bill of Quantity/1.4/20	Test Plug for cable Hipot testing of rated voltage.	With reference to subject clause, we wish to clarify that, our cable enclosure will have testing link which can be removed to isolate GIS bay from cable and Hipot testing of cable can be performed from remote end. I understand "Test plug for cable hipot testing of rating voltage correspond to testing link only. Kindly confirm..	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
146	Technical Specification 66 kV GIS	Rating & Features/3.1	Degree of protection for auxiliary and control circuit - IP52	With reference to subject clause ,since all drives housing auxiliary and control circuit are placed inside the GIS building , we request you to accept Degree of protection for auxiliary and control circuit as IP43.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
147	Technical Specification 66 kV GIS	General requirement/ 3.2/ 7	Number of busbars-3	We understand that the scheme is double busbar type and each bus bar will house 3-phases. Hence number of busbars are two. Kindly confirm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
148	Technical Specification 66 kV GIS	General requirement/ 3.2/ 20	Material of busbar-copper	We understand that GIS consisting of busbars made of Aluminium alloy will also be acceptable. Kindly confirm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

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149	Technical Specification 66 kV GIS	General requirement/ circuit breaker/10	Break time, <50ms	OEM can confirm the break time of less than or equal to 60 ms. As this value are GIS OEM design specific ,we request for acceptance.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
150	Technical Specification 66 kV GIS	General requirement/ circuit breaker/2	Three separate pole equipped with single pole operating mechanism	With reference to subject clause , we wish to inform that offered GIS CB design shall be three phase gang operated type i.e Single drive for all three phases. We request for acceptance.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
151	Technical Specification 66 kV GIS	General requirement/ circuit breaker/6.a	Rated line charging breaking current capacity, A On supply side-10 A, ≤2.5 P.u On line side -10 A, ≤2.5 P.u	We request you to accept rated line charging breaking current capacity as per IEC.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
152	Technical Specification 66 kV GIS	General requirement/ circuit breaker/7.a	Maximum cable charging breaking current capacity and corresponding over voltage recommendation	We request you to accept rated cable charging breaking current capacity as per IEC.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
153	Technical Specification 66 kV GIS	General requirement/ Disconnecto r/1	Three separate pole mechanically coupled and group-operated	With reference to subject clause , we wish to inform that offered GIS disconnecter design shall be Three-pole set of motor operated disconnecter with one drive for three phases. We request for acceptance.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
154	Technical Specification 66 kV GIS	Capitalization of SF6 losses/ 3.3	At least the following components of the switchgear such as: - Circuit Breaker - Voltage Transformer - Cable Sealing ends - Bushings	Recommends placing Current transformers in separate gas compartment and not with any of the components mention in the list in order to improve the service continuity. We also recommend to distribute the CT on either side on the circuit breaker in order to facilitate overlapping of protection zone and making internal fault detection faster.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

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155	Technical Specification 66 kV GIS	Circuit Breaker/3.4 /9	"Motors shall be ' Universal type' capable of satisfactory operation for the application and duty as required by the driven equipment. Motor shall be rated for 240 Volts AC."	With reference to subject clause, we wish to clarify that offered circuit breaker drive motor shall be DC operated type. We request you to provide acceptance .	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
156	Technical Specification 66 kV GIS	Circuit Breaker/3.4 /14	The circuit breaker shall be interlocked electrically and mechanically with associated Disconnectors	we understand that the circuit breaker shall only be electrically interlocked with associated disconnector as mechanical interlocking is not possible.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
157	Technical Specification 66 kV GIS	DISCONNECTING SWITCHES/3.6	The disconnecting switches shall be of the 3-phase, single-pole, group-operated type	With reference to subject clause, we wish to inform that offered GIS disconnector design shall be Three-pole set of motor operated disconnector with one drive for three phases. We request for acceptance.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
158	Technical Specification 66 kV GIS	Current Transformer /4.3	Current transformer may be module type in the GIS or ring type placed around the power cable right after the GIS cable ending module. The secondary windings is preferred to be embedded in cast resin to secure them against slip-off	With reference to subject clause , we wish to clarify that in offered design ,current transformer are preferably placed on both sides of circuit breakers. Secondary winding of CTs are Placed outside the gas compartment and works on principle of electromagnetic induction. The offered design prevent contamination of CT-insulation by SF6-decomposition products over the long run .Request for acceptance.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
159	Technical Specification 66 kV GIS	Surge arresters/ 4.5	It is preferred to go with air insulated LA instead of gas insulated, bidder should clearly state if they have any reservation issue while going with air insulated LA.	OEM does not recommend use of AIS LA due to the presence of cables end termination.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
160	Technical Specification 66 kV GIS	Cable termination /4.7	Each circuit of the underground cable shall consist of 2 (Runs) Three core Aluminum cable one per phase) 300 mm ² , 66 kV, compact round concentric lay stranded or compact round segmental stranded conductor, crosslinked polyethylene insulated, with Aluminum corrugated metallic sheath and HDPE outer sheath	There is a discrepancy in the number of runs per phase for cable defined in SLD and Technical specification. Request you to clarify exact requirement.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
161	Technical Specification 66 kV GIS	Bay module control cabinets/ 5.0	Each Switchgear bay module shall be supplied with a main control cabinet of the floor standing type	OEM shall supply standard integrated LCC which can be completely tested at manufacturer's unit itself. The BCU shall be a part of CRP.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
162	Technical Specification 66 kV GIS	Type tests/ 6.0	Bidder shall submit valid type test reports (as per relevant latest IEC Standard) for approval. The bidder should have conducted type test on identical or similar equipment/ components to those offered. In case type test reports are found to be technically unacceptable to BSES, the type tests shall be conducted without any additional cost and delivery implication to BSES.	OEM Can submit the type tests reports for the offered product in the name of parent/group/subsidiary company. Please confirm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

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163	Technical Specification 66 kV GIS	Testing & Inspection/ 23	The equipment offered must be of type-tested quality. It shall conform to the type tests in accordance with the latest relevant IEC Standards. The list of type tests conducted by the bidder shall be listed out and the type test reports submitted by the bidder. along with the quotation. The type test reports shall be for the tests conducted within the last five (5) years. The purchaser may like to conduct any of the type tests repeated. The price for conducting the type tests in such cases shall be indicated in the offer.	"OEM shall submit the type tests reports for the offered product in the name of parent/group/subsidiary company. The type test reports shall be for the tests conducted	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
164	Technical Specification 66 kV GIS	Structural and mechanical requirement/10.0	In case of internal fault, the detection system shall open all circuit breakers with in 60ms (Min.)	The total time of fault clearance shall also depend on the relays sensing the fault which is not in our scope. However, we confirm the short circuit breking time as per specification.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
165	Technical Specification 66 kV GIS	GIS design and safety features/d	Bus bars are partitioned at each bay with an objective to isolateBusbar compartment for the purpose of extension and at the same time avoid damage to adjacent bays in the event of fault.	OEM confirms the same and also recommends the enforcement of the same even in the case of passive busbars (Busbars without disconnectors). Employing long lengths of continuous busbars without segregation will result in high amounts of gas evacuation and filling activity incase of any fault.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
166	Technical Specification 66 kV GIS	Local control/12	Separate control cubicle including gas monitoring kiosk shall be provided for each bay which shall be installed near the switchgear for local control & monitoring of respective switchgear bay. Local control cubicle for GIS shall be equipped with suitable hardware & software for remote control operation and conform to the bay level controller and it should be compatible with IEC 61850.	Instead of gas monitoring kiosk, ABB recommends the use of online gas monitoring system which continuously monitors the gas density of all the compartments, displays the decay rate of pressure and also indicates the time that the pressure will take to reduce to alarm and blocking pressure. The system follows 61850 protocol and is SCADA compatible.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
167	Technical Specification 66 kV GIS	Local control/12	<p>The LCC should have minimum following functions</p> <ol style="list-style-type: none"> 1. AC Supply for drives, heating, lighting. 2. DC supply for drives, alarms, protection. 3. General control functions: Remote & local control selection, interlocks. 4. Control of disconnectors & earth switches. 5. Control of CBs: closing, tripping coils, anti-pumping, interface to synchronizing devices, interface to protection devices, supervision of spring mechanism. 6. Arc detection system. 7. Interfacing. 8. Human Machine Interface (HMI). 9. Alarm indication and signalization. 10. Supervision of Gas Compartment. 	OEM shall supply standard integrated LCC with mimic diagrams and control of switches and necessary interlocks. Arc detection, alarms & supervision of gas compartment shall not be a par of LCC but of the CRP, Please Confirm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
168	Technical Specification 66 kV GIS	alarms for Operation system/ e	<ol style="list-style-type: none"> a) Low operating pressure b) Loss of Heater power. c) Loss of operating power. d) Loss of control. e) Pole Discordance. 	OEM's offered GIS has the gang type circuit breaker operating mechanism. Hence measurement of pole discrepancy is not required. Kindly confirm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
169	Technical Specification 66 kV GIS	Barrier and non barrier insulators	The gas barrier insulators sealing to the conductors and the enclosure wall shall be designed to withstand the maximum pressure difference that could occur across the barrier, i.e. maximum operating pressure at one side while a vacuum is drawn at the other side & in case of internal arc fault with a safety factor of 2.	This is not a service condition. Due to safety concerns, It is not advisable for O&M personnel to work on the faulty compartment when the adjacent compartment is under rated pressure. Standard operating procedure of vacuuming a gas compartment on one side of section barrier involves reduction of pressure to 50% of the rated on the other side of the barrier. Kindly confirm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
170	General		Tests on CT, PT and enclosures	Enclosures and instrument transformers being bought out items, the tests mentioned in the clause will be carried out in the sub suppliers premises and certificates for the same shall be furnished if necessary. Repetition of those tests at our premises is not envisaged.	Noted. Please submit clausewise deviation alongwith technical bid
171	General		The bus bar disconnectors with Earthing switch	On bus bar side only one number of earthing switch is provided on the common points of both bus bar disconnecter. We confirm that even with the single earth switch we confirm the earthing requirement of the SLD/Specification.	Noted. Please submit clausewise deviation alongwith technical bid
172				i) Line Side Isolator in 33kV GIS :- As per Grid SLDs there is no mention of line side isolator whereas in technical specifications detailed SLDs are given for respective Incomers, transformer feeders, bus coupler etc in which line side isolator is shown. Please confirm what is the actual requirement here in this tender	Line side isolators are not required in 33kV GIS. However, line side isolators are required in 66 Kv GIS
173				ii) Type Test Validity of 33kV GIS :- Enclosed please find the complete justification for the type test of 33kV GIS. As per tender clause you have asked for type test upto 10 years only.	Type test reports older than 10 years but pertaining to offered switchgear design can be considered. All deviations from tender requirements shall be clearly mentioned in deviation sheet submitted with the technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
174				While going through the tender document, we found that the Earnest Money Deposit (EMD) for 5 packages are shown separately, hence it is requested to clarify whether separate order will be issued to each lot under the single NIT (or) only one order will be issued for all lots.	Bidders can submit single consolidated BG for EMD amount of all quoted packages OR individual BG for package wise EMD amount
175				Also please clarify whether different prices for a particular item under different lots will be accepted (or) not.	Tender document shall remain same
176				As we are preparing to quote for 5 packages, clarify whether we have to pay the EMD in one BG for all packages (or) individual BG for each package.	Bidders can submit single consolidated BG for the EMD amount of all quoted packages OR individual BG for package wise EMD amount
177				We have also floated enquiries to various vendors but due to election results_time and requirement of special type of items (GIS Equipment,s, UG Cable with OFC embedded) vendors are asking some more time to arrange the prices.	Due date has already been extended upto 11.06.2019 and further extended upto 25.06.19. Please refer Corrigendum of the same which is uploaded on BYPL website.
178				Many items in Erection and Civil Schedules are given as lots. We are requesting detail calculations for arriving most accurate costing. Also it is requested to provide civil drawings pertaining to each location as there is price difference from site to site	Plot dimensions alongwith tentative layout are enclosed for reference. Preparation of final layout based on site requirement to ensure compliance with tender specification and standards is in bidder's scope.
179				We didn't find the bank details for obtaining BG, which is mandatory for the bankers. please arrange.	Already provided in the NIT
180				So it is not appropriate to quote without obtaining the current market prices. We are working on the solutions with accurate pricing which is requiring a little more time to compile. Expressing our keen interest to participate the above tender, we request you to extend the bid submission date by 10to 15 days from the date of receipt ofthis letter.	Due date has already been extended upto 11.06.2019 and further extended upto 25.06.19. Please refer Corrigendum of the same which is uploaded on BYPL website.

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
181				<p>While going through the BOQ of NIT: CMC/BY/19-20/RB/SV/011. We found that, the configuration for 11KV Motorized RMU was not mentioned either in BOQ or in Technical Specifications. So, we considered the following configurations to quote the price. Please confirm the configurations.</p> <p>Description Considered Configuration Motorized RMU (ABB make) along with FRTU, Battery Bank and Battery Charger Indoor - 1 Way 1CB Motorized RMU along with FRTU, Battery Bank and Battery Charger Outdoor - 3 Way 1CB+2LB Motorized RMU along with FRTU, Battery Bank and</p>	<p>Considered configurations are correct and meet our requirement.</p> <p>For make of 1-way RMUs, refer scope of supply document of respective packages.</p>
182				<p>Also confirm the UOM and Quantity of the below listed items. Because with the following quantity it is impossible to separate cable for entire length.</p> <p>S.No. Items UOM Qty 2.2.3.49 Installation of Brick as Cable Separator No's 1 2.2.10.39 Installation of Brick as Cable Separator No's 1 2.3.3.48 Installation of Brick as Cable Separator No's 1 2.3.9.39 Installation of Brick as Cable Separator No's 1 2.4.3.48 Installation of Brick as Cable Separator No's 1 2.4.9.39 Installation of Brick as Cable Separator No's 1</p>	<p>Installation of brick as a cable separators depends on different cable laying methods such as</p> <ol style="list-style-type: none"> i. open excavated trench without pipe, ii. open excavated trench with pipe, iii. Using HDD in Pipe iv. Where to maintain clearance between cables is not possible due to site constraints <p>Therefore You shall provide per unit rate for installation of brick as cable separator. Final quantity shall be as per actual site requirement.</p>

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
183	ITB, QR-01			Kindly clarify whether Indian GIS manufacturer who is approved in PGCIL and has already supplied higher voltage class GIS to PGCIL, can offer GIS on MAF basis for the subject project, provided its parent company meets the Financial Qualification (Rs. 1000 Cr.) & Technical Qualification Requirement as stated "The Bidders must have designed, supplied, installed & commissioned at least 2 No. of GIS Grid Sub-station of 66kV or 33kV or higher Voltage Rating including Civil Work on Turnkey Basis in last Five (5) years from the date of Bid opening in Electricity Board. Transmission & Distribution utilities."	Tender document shall remain same
184	ITB, QR-01			Kindly clarify if EPC contractor is self qualified (having civil experience) then why GIS manufacturer are required to give Civil work experience in its performance certificate as stated "Bidder shall submit the Two (2) performance certificate for the satisfactory performance from Two (2) reputed Electricity Board / reputed company in India / Abroad, transmission & distribution utilities for the 66kV or 33kV or Higher Voltage Rating of GIS Grid Substation work, completed in past including associated civil work on turnkey basis." Therefore, we request you remove the Civil work experience.	Tender document shall remain same
185	Tech Specs, Clause 2.3		Hot standby / Dual Power supply and redundancy in power source	Numerical relays, BCU and BCPUs shall be with single source of power supply. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
186	Tech Specs, Clause 2.6.14		RTU panel should have Air conditioner...	We presume that RTU panels should be kept in airconditioned environment to be provided by BSES. Please confirm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
187	Tech Specs, Clause 2.1		Free Standing, Indoor, Fully Compartmentalised, Metal Clad, Vermin Proof	Free Standing, Indoor, Fully Compartmentalised, Metal Clad, Suitable for degree of protection IP 4X Externally and IP2X Internally. Please approve the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
188	Tech Specs, Clause 2.2		IP5X for Low Voltage Compartment	As per standard, IP4X for low voltage compartment shall be provided. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
189	Tech Specs, Clause 2.4		Load Bearing Members: Minimum 2.5 mm thick.	As per standard Minimum 2mm Thickness shall be provided. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
190	Tech Specs, Clause 2.6		Gland Plates: 3mm for single core, 5mm for multi core....	As per standard, Gland plates shall be of 2mm for multicore and 3mm for single core cable. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
191	Tech Specs, Clause 2.7		Height of complete panel- Maximum 2700mm, Operating Height maximum 1600mm	Height of complete panel- Maximum 2700mm, Operating Height maximum 1800mm. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
192	Tech Specs, Clause 2.16		Bus Support Insulator-Non Hygroscopic.....during detailed Engineering.	Bus support insulator shall be self support type. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
193	Tech Specs, Clause 2.17		Fixing arrangement: Covers - SS bolts; Gasket - Neoprene; Gasket arrangement shall be provided between paels.	Fixing arrangement: Covers - As per type tested panel Gasket - Neoprene; Gasket arrangement shall be provided between panels. However, we presume that type tested panels design without Gasket are also acceptable. Please confirm.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
194	Tech Specs, Clause 2.18		Required HV cable termination height in cable compartment: 650mm (Minimum) for 11kV from bottom of the panel	It shall be 590mm (Minimum) for 11kV from bottom of the panel. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
195	Tech Specs, Clause 2.19		Steel base frame as per manufacturer's standard	Offered panel shall be suitable for free standing, floor mounting type without separate base frames. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
196	Tech Specs, Clause 2.22		Circuit breaker type: truck type only	Please accept breaker of Cassette type breaker also with two breaker handling trolley per switchboard.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
197	Tech Specs, Clause 2.33		Jaw Type/Finger type contacts for breaker limb connection with bus and cable	Tulip contacts system for breaker limb connection with bus and cable shall be provided. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
198	Tech Specs, Clause 6.1.1		PT mounting: It shall be mounted on a withdrawable carriage. Mounting of PT on the breaker truck is not acceptable. In case it is mounted on the panel rear top, access to the PT and the reinforcement in the panel for allowing a person to stand should be provided.	It shall be mounted in Separate PT compartment with movement independent of VCB movement. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
199	Tech Specs, Clause 21.1.3		Paint Shade: RAL 7032 for external and internal surfaces	We request you to aprove RAL 7035 also.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
200	Tech Specs, Clause 22.1.2		Type test report validity period: Last five years from the date of bid submission	Some of the type test on MV switchgear is beyond 5 years. Since we have not changed the design of our breakers, retype testing is not required as per IEC. Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
201	Tech Specs, Clause 26.1.12		Multifunction Meter: Rishab / Socomec	Please approve Schneider, Secure & Elmeasure as additional makes	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
202	Tech Specs, Annexure:B-1.12		IP 5X for metering and protection compartment	We request you to aprove IP 4X for metering and protection compartment.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
203	Tech Specs, Annexure:B-1.17		Temperature Rise: 40 DEGC for conventional joints, 55DEGC for silver plated ioints	Temperature Rise above 40 deg ambient As per IEC i.e. Bare- 50 DEG C Silver Plated- 75 DEG C Please accept the same.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
204	Tech Specs, Annexure:B-2.5.2		Short Cicuit Making Current: 62.5kA	Please accept 65.75kAp also.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
205	Tech Specs, Annexure:B-3.2		CT Type: Cast resin Window/bar primary type	Please approve Cast resin Window/Wound primary type also.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
206	Tech Specs, Clause-1		Motorized isolator	Please clarify whether Motorized isolator should be used to each step or only for Incoming section.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
207	Tech Specs		HT HRC Fuse	HT HRC Fuses are not specified in BOM. Please clarify.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
208	Tech Specs			Each step kVAr should be Maximum - 1200kVAr @ 11kV, as per capacity of Vaccum Contractor, so we can increase the step. or keep as it is.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
209	Tech Specs			Fixed Capacitor bank should required with VC & reactor or not.	Incorrect clause reference for query. Please submit clausewise deviation alongwith technical bid
210				We presume that space for Contractor's site office, store & labour hutment shall be provided by BYPL. Please confirm.	Space required for these activities shall be accomodated in porposed site. No additional space will be provided.
211			Not Provided	Please provide the Specifiaction of CRP.	CRP specification is integral part for 66kV GIS Specification. No separate CRP is required for 33kV GIS.
212				We presume that land for SS site is in BYPL possession. Please confirm.	BYPL will ensure possession of land prior to start of work.
213				Bid format contais different schedules for Supply, Erection and Civil, while given BOQ contains only two schedules i.e. Supply and Civil. Please provied the same. Also provide the BOQ in Excel.	Provided, we have provided format of price bidsin the NIT, Detailed line items are covered under scope of work
214	ITB, clause no. 1	3 of 24		Please clarify whether single BG of total EMD amount to be submitted or we can submit separate BG for each package.	Bidders can submit single consolidtesd BG for the EMD amount of all quoted packages OR individual BG for package wise EMD amount
215	ITB, clause no. 3.01	5 of 19	Supportive document on Positive Net worth. Credit rating/solvency certificate from competent authority.	Please provide value/amount and format for solvency certificate.	Bidder has to provide solvency certificate issued by bank. Refer Corrigendum for sample format.
216	ITB, clause no. 3.01	5 of 19		Please provide format for black listing undertaking.	Please refer Corrigendum on the same
217	ITB, clause no. 3.01	5 of 19		Please provide format for no litigation certificate.	Please refer Corrigendum on the same
218	ITB, clause no. 4.06	7 of 19	For Grid Substation: +/- 30% For Cable In-feed: +/- 30% For Cable Outgoing Feeder: +/- 30%	We request you to limit the quantity variation to +/- 20%, beyond which new rate will be applicable. Also, we understand that quantity variation is applicable on individual item. Please confirm.	Tender document shall remain same
219	ITB, clause no. 10.03	9 of 19	Prices quoted by the Bidder shall be "Firm" and not subject to any price adjustment during the performance of the Contract	Please incorporate clause for price variation during extended period if the delay is not due to contractor's fault.	Tender document shall remain same

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
220	ITB, QR-02, point no. 10	17 of 19	The bidder must possess valid ISO 9001:2000 certification and valid BIS License or Equivalent International License	Please note that BIS is a product License so it is not relevant for EPC contractors in QR-02 category. Please clarify the definition of Equivalent International License.	EPC Contractor will provide the licence of the OEM. Equivalent International License means licence issued by authority equivalent to BIS from the respective country of origin
221	SCC, clause no. 9	6&7 of 19	0.5% per week to maximum of 10% of contract value.	We request you to limit the maximum LD to 5% of contract value.	Tender document shall remain same
222				Please provide Soil Investigation Report.	Soil investigation report shall be provided in a while
223				Please provide soil resistivity report enabling us to design the earth mat.	Soil resistivity report shall be provided in a while
224				Please provide makes for: 1. Fire Alarm System 2. Cable Tray 3. Fire Suppression System 4. Chemical Earthing 5. Optical Fiber Cable 6. HDPE Pipe	Kindly adhere to specification.
225				Please provide all the drawings in AutoCAD format.	All drawings are available in pdf and is already part of tender
226				Please provide BOQ in MS Excel format.	BOQ in word format is attached herewith
227				Please provide detailed SLD, Layout and infeed & outgoing layout drawings in AutoCAD format.	All relevant drawings are already the part of tender document. Land layout may be fetched from attached pdf. Although land layout is tentative in nature and vendor must visit the actual site for land dimension.
228	Technical specification no SP-66kV3CC-123-RO cl. No. 3.14			Water Blocking Yarns shall be provided along with PP fillers. Water Penetration Test will be applicable on individual cores only. Kindly confirm	Confirmed
229	Technical specification no SP-66kV3CC-123-RO cl. No. 3.19			Kindly confirm whether extruded semiconducting layer is required or graphite coating is sufficient over outersheath	Extruded semiconducting layer is required in accordance with specification.

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
230	Technical specification no SP-66kV3CC-123-R0 cl. No. 3.21			ISI mark will not be provided as Three Core cables are not covered in IS 7098 Part-3	ok
231	Technical Specs			As per earlier executed orders, for 11kV cables Specification No. SP-EWHP-01-R3 is being followed & for 33kV cables spec. no. SP-EWHP-01-R4 is followed. However, in this case single combined spec no. SP-EWHP-01-R4 is provided. Kindly reconfirm, which specification is to be followed for 11kV cables	SP-EWHP-01-R4 shall be followed for 33 as well as 11 Kv Cables
232	Technical Specification: ACDB & DCDB			Please provide the feeder details of ACDB & DCDB.	Shall be freezed at the time of detailed drawing approval
233	Technical Specification for SCADA interface work & Automation			As per Tender Document,the Tentative System Architecture diagram for SCADA is enclosed but it is not given. So kindly provide the same.	SCADA architecture is provided in SCADA specification.
234	Layout			Please provide the coordinates for all 3 proposed Substion for preparation of SS internal Layout and estimation of Lot quantities.	Refer Corrigendum
235	SBC Report			Please provide the Soil Bearing Capacity (SBC) report for all the proposed Substations	Soil investigation report shall be provided by 25.06.2019
236	Technical Specification-CRP			Technical specification not given the tender documents. Please provide the same.	CRP specification is integral part for 66kV GIS Specification. No separate CRP is required for 33kV GIS.
237	66kV & 33kV CRP			Please let us know the make and model no of remote end protection relay for all the 3 proposed Substation Grids.	Remote end relays for differential protection is also in bidders scope.(Kindly refer "SP-TWSIO-154-R0" P-11 of 63, Point-2.6.6.1, P-28 OF 63, Point-2.3.5.1, P-46 of 63, Point-2.4.2.1)
238	Approved Make			We are herewith propose additional makes for following items: 1) 11kV VCB- Stelmac/ Megawin 2) 11kV RMU- C&S	Please ensure compliance with specification

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
239	General			Preet Vihar SS- 33KV Please provide the bridge details for Nallah Crossing also as per our understanding ROW from Flood Control Deptt for Construction of Bridge shall be provided by BYPL. Kindly confirm	All clearances are in vendor's scope. Although statutory fees shall be borne by BSES Yamuna Power Limited.
240	General			Preet Vihar SS- 33KV During site visit it was found that there are some trees inside the grid premises. As per our understanding, tree Cutting permission shall be arranged by BSES. Kindly confirm	All clearances are in bidder's scope. Only statutory fees shall be borne by BSES Yamuna Power Limited.
241	General			Laxmi Nagar SS - 33KV During site visit it was found that there are some trees inside the grid premises. As per our understanding, tree Cutting permission shall be arranged by BSES. Kindly confirm	All clearances are in bidder's scope. Only statutory fees shall be borne by BSES Yamuna Power Limited.
242	General			Mandawali SS- 66KV Major portion of ROW Permission is in UP area, we understand that same is to be provided by BYPL. Kindly confirm	All clearances are in bidder's scope. Only statutory fees shall be borne by BSES Yamuna Power Limited.
243	SLD			Please share the metering & protection SLD for the substation	Refer respective equipment specification for metering and protection details
244	Layout			Please provide the draft layout and the land dimensions.	Plot dimensions alongwith tentative layout are enclosed for reference. Preparation of final layout based on site requirement to ensure compliance with tender specification and standards is in bidder's scope.
245	Building layout			As per technical specification vendor need to provide one additional floor if there is a space constraint. However, increasing floor above the 66kV GIS floor , may not be feasible from technical side as accessing the floor with stair case may be difficult due to large height and also cable intake to the panels at top floor will be difficult as the cables needs to pass from the top of EOT Crane. BYPL may suggest a layout and revise the clause accordingly.	In 66 Kv GIS Bulding, only G+1 type building is required. Please refer civil works specification.
246	FGL			We understand the switchyard FGL shall match the top of outside bituminous road. Please confirm	Yes
247	Road			We understand the switchyard road will be of bituminous. Please confirm.	Switchyard road shall be of RCC type.

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
248	Fire protection system			Technical specification asks for Hydrant fire protection as well. However, we understand the same is not applicable for the project. Please confirm	Hydrant fire protection system has to be provided in accordance with specification.
249	clause -4.4, ambient temp 50deg c			The offered panel ratings are desinged with an ambient temperature of 40°C as per IEC . For a higher ambient temperature, suitable derating is applicable. For a design ambient of 45°C & 50°C , the 1250A panel is suitable for a continuous current rating of 1200A & 1150A respectively . Pl. confirm your acceptance	Noted. Please submit clausewise deviation with technical bid.
250	clause -4.5, Maximum Humidity - 100%			"The conditions of humidity are as follows: 1) The average value of the relative humidity, measures over aperiod of 24 h, does not exceed 95 %. 2)the average value of the relative humidity, over a period of one month does not exceed 90 %."	Noted. Please submit clausewise deviation with technical bid.
251	clause -5.0-21, separate CRP			we can provide panel hieght less than 2500 mm , however the operating max operating hieght of the measuring instruments shall be 1800 MM. kindly accept the same.	Noted. Please submit clausewise deviation with technical bid.
252	clause -6.12, Panel Dimension			Panel Dimensions shall be as per our standard design and depends on the rating . GA SLD shall be given along with our offer.	Noted. Please submit clausewise deviation with technical bid.
253	clause -7.1.10, position detector			Position detection shall be through end position limit switches. Proximity sensors is old out dated technology ,that was used by ABB in earlier GIS versions and is no more available now.	Noted. Please submit clausewise deviation with technical bid.
254	clause 6 / SLD, Line side isolator			we are unable to provide line side isolators / earth switch in the GIS panels as the same has no technical usage.	Line side isolator not required in 33kV GIS.
255	clause 6.14, Panel Base Frame			Panel base frame shall be made up of Extruded Aluminium.	Noted. Please submit clausewise deviation with technical bid.
256	clause - 8.0 1), interlock			To prevent switching on a circuit breaker when the feeder is earthed - in MV GIS earthing is via CB hence the CB needs to be switched on after the ES has been made on. This needs to be done to earth the line. Hope this inline with your requirement	Noted.

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
257	clause 11, Surge suppressors			we shall provide surge arrestors.Please accept the same	Noted. Please submit clausewise deviation with technical bid.
258	clause 12, Current transformer			CT are located inside the gas tank for the Buscoupler panel. Hope this is inline with your requirment.	Noted. Please submit clausewise deviation with technical bid.
259	clause 14.2.1, Cable Entry			Cable enrty shall be from bottom and rear side of the panel. Hope this is inline with your requirment.	Noted. Please submit clausewise deviation with technical bid.
260	Clause 15.5, voltmeter selector switch			we shall be providing digital ammeter and volmeter , hence selector switch is not required.	Noted
261	clause 15.8, energy meter provisions			we are unable to provide energy meter cut out provision in panels as the panel door is already too full with the other relays , meters , switches , lamps etc. Kindly accept	No deviation acceptable in this regard.
262	clause 17.2, Annunciator and hooter			Annunciator and hooter cant be be provided in the panel door due to dimesional constraints . We request BRPL to remove it from the scope of supply.	Optimization due to dimensional constarints if any, shall be taken up during detailed engineering.
263	clause -21.8.1, Trip supervision relays			Lock out & Trip supervision relays shall be part of Numerical relay. Separate relay not envisaged.	Please ensure compliance with specification
264	clause -25.1, Relay Approved makes			we shall provide the following relays . Kindly accept the same. 1) O/c & E/f relay - ABB REF 620 (high DI/ DO requirment , REF615 has only 16/10 Di/DO) 2) Transformer Diff relay :- ABB RET 615 3) Line Diff + Distance relay - ABB REL650	Models of relays shall be finalized during detailed engineering subject to compliance with tender specifications
265	clause -25.9, Terminal block make			Terminal block shall be Phoenix & Wiedmueller. Kindly accept	Noted. Please submit clausewise deviation with technical bid.
266	clause -25.11, Surge arrestor make			Surge arrestor is of plug in type and the make shall be NKT / Nexans.	Noted. Please submit clausewise deviation with technical bid.
267	clause -26.2, Type test reports validity			All type test reports of ABB MV GIS for the supplied panels are more than 5 years old . Since , the design of the panels have not changed since the last type test hence all the type test are still valid .	Noted. Please submit clausewise deviation with technical bid.

Sr. Nos.	NIT Clause Nos.	Page Nos.	NIT Clause descriptions	Bidders queries	BYPL Response
268	ANNEXURE-B, Switchgear, temperature rise			Shall be as per IEC limits.	Noted. Please submit clausewise deviation with technical bid.
269	ANNEXURE-B -5 HV FUSE			Not applicable for MV GIS.	Noted. Please submit clausewise deviation with technical bid.
270	ANNEXURE-C, SPARES, Special tools and tackles required for erection, testing, commissioning and maintenance of the switchboard should be supplied with the switchboard.			For ABB MV GIS ,No such special tools and tackles are envisaged.	No deviation acceptable in this regard. All tools and tackles required for O&M of GIS shall be included inn bidder's scope of supply.
271	ANNEXURE-D SPARES, Mobile gas filling and evacuation device -DILO make			As there is no Gas handling activity is done on site ,there is no need to buy costlier Gas hadling kit .	Noted. Please submit clausewise deviation with technical bid.
272	VT disconnecting switch			Plug- in type of line/bus VT shall be provided with disconnecter link. The disconnecter link shall be manual operated .	Plug in Type VT and disconnecter type VT cannot be provided simultaneously. Point is unclear.
273	51N SEF protection			51N SEF protection shall be provide via a CBCT and the part of the main O/C ,E/F relay of the panel.	51 N SEF is not the part of specification. Kindly go through the specification