

NIT No. TSGP-05/2017-18

Clarification on the queries raised by Firms during Pre-Bid meeting held on 04.05.2017

SI.No.	Clause No.	As per Specification	Comments/Clarifications	Reply of DHBVN
Firm No.1				
1	Clause No. 5 (6.)General technical Requirement (page 6 of 27) Clause no. 6.2.7 GTP Sr. No. 26.0	Internal Arc test - ABFLR 20KA for 1 Sec	As the explosion vent of RMU is towards the rear, internal arc classification for rear (R) is not feasible. Further, product has been tested for authorized personnel accessibility only, and accordingly designation as AFL 20kA for 1-sec	Refer Amendment
2	Clause No. 6.1 General Construction (page 7 of 27)	- 1 Way extension type (one side) indoor/outdoor application, 11kV RMU consist of 1 no. 630A LBS along with one incoming& one outgoing cable provision	1 Way RMUs are offered as single VCB /Single LBS with 1 set of coupling kit, assuming that it shall be connected to extensible RMUs being supplied at site.	1 way RMU with auxiliary transformer shall be used in stand alone mode for avoiding straight through joints in run through lines or at Tail end. 1 way RMU without auxiliary transformer shall be used as extension for the existing RMU.
3	Clause No. 6.1 General Construction (page 7 of 27)	- 3 Way extension type (one side) indoor/outdoor application, 11kV RMU consist of 3 no. 630A VCB..... 1 No. electronic fault passage indicator per RMU & FRTU	Note that RMU shall consist of 3 VCB configuration RMU wherein Fault passage indicator is not required. Fault indication shall be there in relay. hence FPI is not offered for 3 VCB module	Such configuration is not part of the scope
4	Clause No. 6.2.4 (page 10 of 27) clause no. 6.5 (page 14 of 27) GTP Sr. No. 51.0	The RMU shall be completed with all connection and tinned copper or silver plated copper bus bar with continuous current carrying capacity of 630A as per relevant IEC/IS	As the busbar and conductor are inside SF6 environment, material used is bare eletrolytic grade copper only instead of tinned copper. Silver plating has been done at the movable contacts of isolators and disconnectors which are susceptible to repeated ON/OFF operation and tinning is done to bushings which are exposed to air and can undergo passivation. The setup has been type-tested to remain within prescribed temperature rise limits for rated current of 630A as per relevant IEC/IS, and is routinely tested for contact resistances to ensure that hot-spot temperatures do not exceed the same.	Refer Amendment
5	Clause No. 6.2.5 (page 10 of 27)	Circuit breaker shall not be closed in case Earth Switch is closed.	Please note that there is an off load disconnecter is there in between circuit breaker and earth siwtch. Off load disconnecter shall not be cloased in case earthswitch is closed. Due to off load disconnecter in between VCB is independent of earth switch.	Refer Amendment
6	Clause No. 6.4 Circuit Breakers (page 12 of 27)	An operating mechanism shall be used to manually close the circuit breaker and charge the mechanism in a single movement in manual mode or electrically motor operated.	As per ABB standard offering, spring charging is via distinct inbuilt operating handle whereas ON/OFF is via distinct push buttons. Motorized operation in no way impedes the manual operation of the RMU.	Refer Amendment
7	Clause No. 6.4 Circuit Breakers (page 12 of 27)	The circuit breaker shall be associated with an integrated protection unit that will operate without any auxiliary power supply and shall include three toroid transformers incorporated in the transformer tee-off bushing.	Resin cast CTs mounted inside the cable compartment but not directly on transformer tee-off bushings. Manufacturer standard design may be adopted.	Refer Amendment
8	Clause No. 6.9 Earthing (page 16 of 27)	The RMU outdoor metal clad	RMU shall be outdoor metal enclosed type.	Refer Amendment
9	Clause No. 6.13 Motors (page 17 of 27)	Peak current of motor shall be 9 amp	Peak current of motor shall be 14 amp	Refer Amendment
10	Clause No. 6.14 Motors (page 18 of 27)	The batteries shall be of latest technology and shall have a minimum life of five (5) years at 25oC.	The batteries shall be of latest technology and shall have a minimum design life of five (5) years at 25oC. However, being a consumable item, its warranty is not beyond 6-months from date of supply.	Provision of Technical Specification shall prevail

11	Clause No. 9.4 Acceptance test (page 19 of 27)	In the event of any discrepancy in the test reports i.e. any test report not acceptable or any/ all type tests (including additional type tests, if any) not carried out, same shall be carried out without any cost implication to DHBVN.	All Type Tests have been conducted in line with recommendations per IEC 62271-200. We anticipate that same is in line with your expectation. We request that Type Tests scrutiny may be made part of vendor approval process so that such ambiguity does not arise during the course of supply.	Provision of Technical Specification shall prevail
12	Clause No. 9.4 Acceptance test (page 21 of 27)	Heat run test shall be carried out on one random sample/configurations/tender quantity as acceptance test.	We request detailed evaluation of already conducted type tests for temperature rise purposes.	Provision of Technical Specification shall prevail
13	Clause No. 18 Challenge clause (page 24 of 27)	The material offered/received after the inspection by the authorized inspecting officer may again be subjected to test for any parameter from any testing house/in-house technique of the Nigam & the results if found deviating/ un-acceptable or not complying to Technical specification, the bidder shall arrange to supply the replacement within thirty (30) days of such detection at his cost including to & fro transportation. In addition, penalty @10% of cost of the inspected lot of material shall be imposed..	We request that any scrutiny towards type-tests of the equipment be done during vendor evaluation stage and towards routine-tests be done during equipment/works inspection stage. Technical specifications of the product will already be scrutinized during drawing approval stage. Further, manufacturer is offering warranty of equipment against manufacturing defects. Accordingly, post delivery challenge clause may please be repealed.	Provision of Technical Specification shall prevail
14	Clause No. 19 Warrantee Period (page 24 of 27) GTP Sr. No. 55.0	The supplier shall be responsible to replace, free of cost, with no transportation or insurance cost to the purchaser, up to destination, the whole or any part to the material which in normal and proper use proved as defective in quality or workmanship, subject to the condition that the defect is noticed within 72 months from the date of commissioning. The consignee or any other officer of Nigam actually using the material will give prompt notice of each such defect to the supplier. The replacement shall be effected by the supplier within a reasonable time, but not, in any case, exceeding 45 days/ The supplier shall, also, arrange to remove the defective material within a reasonable period, but not exceeding 45 days from the date of issue of notice in respect thereof, failing which, the purchaser reserve the right to dispose of defective material in any manner considered fit by him (purchaser), at the sole risk and cost of the supplier. Any sale proceeds of the defective material after meeting the expenses incurred on its custody, disposal handling etc., shall however be credited to the supplier's account and set off against any outstanding dues of the purchaser against the supplier. The warranty shall be for the entire duration of the warranty period.	1. Supplier shall repair or replace at their option, free of cost, on ex - works basis the whole or any portion of material/ equipment which under normal and proper use and maintenance proves defective in material and/ or workmanship within 60 months from the date of commissioning or 66 months from the date of shipment of equipment which-ever is earlier, provided prompt notice is given of such defects. If there is any delay in commissioning for any reason not attributable to the supplier for more than 15 days, the supplier shall issue 07 day's notice to the purchaser to commission the equipment. Failure to comply the notice of the supplier by the purchaser, the equipment shall be deemed to have been commissioned from the date of notice and warranty period shall commence w.e.f. date of the notice of the supplier. It is further understood that repair and/or replacement of the defective equipment shall be the sole and exclusive remedy available to the purchaser. 2. Such replacements will be effected within a reasonable time actually required to do so. 3. Supplier liability arising out of supply-ing the material or its use, whether on warranties or otherwise shall not in any case extend the warranty period and shall not exceed the cost of correcting the defects or replacement of the defective material/ equipment and upon expiration of the period mentioned above, all such liability shall terminate. Supplier liability does not extend to consequential damages, either direct or indirect or expenses for repairs or replacements or	Provision of Technical Specification shall prevail
15	GTP Sr. No. 62	LBS & Earth Switch operation counter	Please note that operation counter shall be provided in LBS only. Operation counter in Earth switch shall not be provided.	Provision of TS shall prevail
16	Page No. 14 2.2 (k)	Fiber Optic Network / GPRS / CDMA, etc	We have not considered any of these in our FRTU supply	Only supply of FRTU is not in the scope of Tender, However RMU shall be SCADA compatible and Ready for installation and integration with third party FRTU within the RMU enclosure without any additional work/materail i.e wiring etc to use it in plug and play manner.
17	1. SCOPE	Where it is mentioned "FRTU, fully integrated & demonstrable at the time of dispatch"	We understand that all these clauses included any other references to FRTU, FRTU integration, FRTU features are not required as per present scope. Please confirm.	Only supply of FRTU is not in the scope of Tender, However RMU shall be SCADA compatible and Ready for installation and integration with third party FRTU within the RMU enclosure without any additional work/materail i.e wiring etc to use it in plug and play manner.
18	6.1 Configuration	Where it is mentioned "FRTU and other communication capability for remote SCADA operation"		
19	6.2 RMU Design feature	'SCADA Ready', 'in-built FRTU by using Modbus protocol', 'all necessary interconnecting wires... to connect to FRTU'		
20	6.7 Protection Relays	'The protection relay shall be..... hardwired to FRTU', 'Relay shall be installed in FRTU panel'		
21	6.15 Feeder Remote Terminal Unit	Complete section		
Firm No. 2				

1	5. General Technical requirements: Sr. No. 6: Internal Arc Test & GTP Sr. No. 26	Internal ARC Test: ABFLR 20KA for 1 sec.	There is no internal arc class ABFLR in IEC-62271-200.It is either AF or AFLR. Offered RMU is type tested for internal arc test of AFLR 21KA/1Sec. The accessibility type is A for authorised personnel only on the front, lateral and rear side	Refer Amendment
2	6.2.4 & GTP Sr. No. 51	The RMU shall be completed with all connection and Tinned copper or silver plated copper bus bar with continuous current carrying capacity of 630A as per relevant IS/IEC.	All bus bars are encapsulated in SF6 environment & Type tested as per IEC, hence tin plating / silver plating is not envisaged.	Refer Amendment
3	GTP, SI. No. 32,	Moving contacts of Earthing switch shall be visible in closed position	All live parts are enclosed inside robotically welded stainless steel tank hence visibility of moving contacts of earth switch shall not be applicable. However, earth switch position can be viewed from the front of mimic.	Refer Amendment
4	GTP, Sr. No. 34	Circuit Breakers: SF6 Type	As per Clause 6.1 the Vacuum Interrupter type Circuit breaker is asked.Circuit Breaker will be Vacuum Type encapsulated in SF6 environment. Generally Vacuum Type Circuit Breakers preferred over SF6 type breakers due to higher number of short circuit operations & life.	CB shall be Vacuum type enclosed in SF6 environment
5			RMU (Ring Main Units) , all units are motorised units. In some units, Auxiliary PT has been asked to provide and in some cases Auxiliary PT is not asked. Whether units will have power from utility where the auxiliary is not asked to charge the battery	Yes where auxiliary transformer not asked, the LT supply shall be taken from nearest LT network to charge the battery
Firm No. 3				
1	Clause 5.9 of LT panel	2 no incoming 6 nos. outgoing for type A to D pillars and 2 no incoming 10 nos outgoing for type E pillars	Bus Bar Configuration is not clear.	Given in clause no 6.22
2	Clause 5.17	Provision shall be make to mount the CT operated meter	CT to be provided or not. If yes, mounting of CTs will be required. Size of meter will be required to give provision in feeder pillars.	Refer clause 8.0
3	Clause 6.14	Min. three anti theft type hinges. Hinges shall not be visible from outside and hence not removable. Tight fit brass type - 100mm ID, 12.7mm OD & 20mm length. All accessories such as hinges, screws shall be of non-corroding material	ID should be 10mm instead of 100mm.	Refer Amendment
4	Clause 6.15	Min. 150 degree.	Door opening will be 120 deg.	Provision of Technical Specification shall prevail
5	Clause 6.15	The door shall be fitted with gaskets made of non-inflammable and self-extinguishing EPDM rubber.	Neoprene Gasket will be provided which is better than EPDM rubber.	Provision of Technical Specification shall prevail
6	Clause 7.1.2	The circuit breaker shall have indication of mechanical wear of contacts enabling visible indication of contact life.	The operator needs to open the Arc chute and see the indication physically wear out of contacts.(i.e. no indication of mechanical wear out on ACB)	Refer Amendment
7	Clause 7.1.2	Busbar-ACB terminal joint temperature sensing feature should be on modbus as per communication architecture defined in clause 8.1 below	ACB terminal joint temperature sensing feature is not possible to provide.	Refer Amendment
8	Clause 7.1.2 (16)	Earth fault setting with time - 30% to 70%	Earth fault setting shall be from 20%-60% as per L&T's standard product setting range.	Provision of Technical Specification shall prevail
9	Clause 7.1.3	Tripping time should be less than 30ms to reduce the let through energy in the event of fault.	Tripping time shall be 40ms as per L&T's standard product setting range.	Provision of Technical Specification shall prevail
10	Clause 7.1.3	There shall be mechanical indicator on the front panel for "Ready to close" situation for the breaker by checking all interlocks.	Please note that we give Ready to close micro-switch, it is an electrical indication. The wiring of the micro-switch will be done with an LED on the panel for indication purpose. No mechanical indication shall be provided.	Refer Amendment
11	Clause 7.1.3	Mechanical & electrical anti pumping devices shall be incorporated in the ACB's as required.	Only electrical anti-pumping feature shall be provided. No mechanical provision will be provided for anti-pumping.	Refer Amendment
12	Clause 7.1.5	The release should have LCD/LED display phase currents and voltages (running, average & max) parameters the bar graphs to show percentage loading of the breaker to be available. It should be possible to store tripping history of last 10 faults with type of fault & values. ACB should be compatible to have ON/OFF & trip indication monitoring on modbus over Ethernet at SCADA	Release will not display the ACB loading in form of Bar Graphs (Please note this specification is of Schneider, we will be able to give the % loading in form of absolute values and not bar graph. Schneider gives %Percentage loading bar graph on the release which will not be able to give the absolute value).	Refer Amendment

13	Clause 7.2.5	Circuit breaker auxiliaries - the circuit breaker shall be provided with following accessories. If specified in drawings/schedule of quantities - 1. Under voltage trip 2. Shunt trip 3. Alarm switch 4. Auxillary switch	In MCCBs, there are two slots available to mount the accessories. Only below configuration is possible - 1. Alarm+Aux. + Shunt trip or 2. Alarm+Aux. + Undervoltage trip Kindly clarify your requirement. Either shunt or undervoltage trip can be provided with MCCB along with alarm + aux. contacts.	Provision of technical specification prevail
14	Clause 8.1	Typical communication architecture for type A, B & C panels.	MCCBs / ACBs are considered without communication feature. Only hardwire communication (ON/OFF and Trip) will be provided for Type A, B & C as release considered with MCCBs/ ACBs are non-communicable. Kindly also clarify whether communication as specified for type A, B & C is required for type D or not.	Provision of technical specification shall prevail.Refer Amendment also.
15	Clause 8.1	Hardwired ON/OFF & trip contacts	Either ON or OFF with Trip will be provided for communication. Both ON and OFF will not be provided.	Provision of Technical Specification shall prevail
16	-		Specification for the LT fuse unit Board is not clear to us. Kindly provide the pictures/drawings which are given on last 3 pages (as same is not clear). Drawings of LT Fuse unit boards is required.	Please refer Nigam specification no CSC 87 R1
1	ITB Clause 15.1 & 15.2	EMD BG: The Bid Security shall be 2% of estimated cost subject to maximum of Rs. 10.00 Lacs. The EMD shall be deposited online in cash by the firm through Debit Card or RTGS/ NEFT or Net banking. It is expected of the prospective bidder to deposit EMD online by atleast one day before deadline of submission of bids due to web portal provisioning. Any non-acceptance of EMD by web-based system on last day of submission of bids due to web-portal constraints shall be the bidder's responsibility (OR) in the shape of Bank Guarantee from scheduled bank valid upto 193 days from the date of opening of part-1 of tender.	Herein we envisage that the bidders have an option to submit the EMD in the form of Bank Guarantee. However while going through the Tender documents we observe that the sample format in which the BG is to be printed is no where provided in the contract documents. Request you to kindly furnish the same.	EMD: As per prevailing instructions of Nigam, the EMD amount should be deposited through the stipulation made in the Bid document only.The Bank Guarantee Performa for EMD is attached.
2	ITB Clause 12.4	Statutory variation (such as Sale Tax, Excise Duty, Service Tax etc.), if any may be taken into account while quoting the price.		
3	Price Schedule	Note:- In case of reduction of taxes,the payment will be made with the reduced rate of taxes.However,in case of increasing of taxes,the payment will be made on the basis of total rates quoted by successful bidder under Schedule-I.The merit will be decided on the basis of total price quoted by the successful bidders for supply of equipment/material and erection charges of erection and dismantlement for Tender Enquiry No. TSGP-02/2016-17,including taxes,duties,levies,freight and insurance under schedule-I	Referred ITB Clause & Note under Price Schedule are contradictory in terms of payment towards statutory variations. We envisage Statutory variations shall be payable to the contractor. Further statutory variations on account of GST also shall be accounted to the contract value for the project. Kindly confirm.	Note under Price schedule is deleted. Reply on GST & Taxation shall be provided seperately.

4	Section III, COC Clause 47.2	<p>47.2 Statutory and other regulations.</p> <p>The Contract price shall be adjusted to take account of any increase or decreases in cost resulting from changes in legislation of the country. Legislation means any law, order, regulation or bye-law having the force of law, which affects the Contractor in the performance of his obligations under the Contract, made after the date of notification of award and its acceptance. The Employer shall certify the amount of the resulting increase or decrease in cost, which shall be added to or deducted from the Contract price.</p>	<p>As per Section III Conditions of Contract Clause 47.2, the Contract price shall be adjusted to take account of any increase or decreases in cost resulting from changes in legislation of the country.</p> <p>Herein line to above query, GST Implementation is an act of change in legislation attributing to entire change in tax structure of the country. Hence as per this clause also, we envisage that the statutory variations corresponding to GST shall be treated as change in legislation and shall accordingly be adjusted to the contract price.</p>	Reply on GST & Taxation shall be provided separately.
5	ITB Clause 14.6	<p>14.6. Service Tax:</p> <p>Service tax as per applicable rates will be borne by the Nigam. However, for civil contracts, as per reverse charge mechanism, 50% of service tax due shall be deposited by the contractor and the same will be re-imbursed only after production of deposit challan.</p>	<p>As per the referred clause kindly confirm that the Erection Cost as per Schedule of Prices to be considered inclusive of Service Tax or Exclusive of Service Tax. Further reconfirm that whether Service Tax shall be reimbursed by the Nigam.</p>	Clause no. 14 is ample clear
6	Section III, COC Clause 33.1B	<p>A rebate of 0.05 percent per day shall be availed of by the Nigam if payment is made earlier than the period specified above. The rebate will be calculated on the payable amount.</p>	<p>We understand payments shall be eligible on completion of stage specified as per 33.1 A and will be paid within 15 days from certification. We request that no such rebate should be applicable for payments after certification unless the payments are taken in advance.</p>	Provision of Tender document shall prevail. However it is clarified that as per instruction defined by Nigam that the payment will be made to suppliers/firms within 30 days after submission of bills/invoices complete in all respect.
7	ITB Scope 10	<p>The scope of the contractor extends upto the point of connecting the newly laid LT system upto the consumer meter which will be shifted to the new location i.e. on the outer wall of the premises of the consumer/ inside the LT meter housing almirah, without any cost. This shall be carried out by the contractor in the presence of the Nigam's representative. The sealing/ de-sealing of meter shall be the responsibility of the Nigam. The incoming and outgoing cable before and after the meter shall be fixed on the walls through cleating for which the design shall be got approved by the contractor. For relocating the existing meters in such circumstances, the meter and MCB box will be provided by the department.</p>	<p>In reference to this clause the scope of work includes service connections to consumers including shifting of meters. However as per the schedule of prices such scope is nowhere quantified. Kindly specifically indicate the tentative consumer connections to be covered under present scope with a line item in the schedule of prices for such activity.</p>	This clause is applicable only in case of LT under grounding which is very less in quantity and accordingly very few no of consumer meter will be required to be shifted, which can be captured during the foot survey.
8	ITB Scope 7	<p>Restoration:</p> <p>The U/G laying of the power and optical fibre cables and erection of OH lines and other works may require digging alongside/ across the roads/ streets/ pavements/or any other public/ private area. The contractor has to restore the dugout area by back filling and suitable compacting. The top layer has to be restored in the same fashion and condition to give it the original look as far as practically possible.</p> <p>No payment towards any additional material, other than that provided in the BoQ / labour/ erection/ services etc cost required for the restoration shall be allowed to the contractor in this regard, however, the proper restoration shall be considered as a part of the laying of cables/erection of OH lines. Any permission charges of HUDA/ MCG/ NHAI etc, if applicable, shall be refundable to the contractor on actual basis on production of receipt, after the faithful completion of the work for which charges are deposited.</p>	<p>In reference to this clause the scope of work includes restoration of road or any other public / private area in the same condition of original look. However as per our understanding municipality or PWD apart from permission fee requires deposit of cost towards restoration works as per stipulated rate with which return the works are done by department itself. Kindly confirm that whether such cost be reimbursable to the contractor.</p>	Provision of Tender document Shall Prevail

9	ITB Scope 1	<p>The contractor shall survey the area taking the sketches provided as a reference. The contractor shall carry out the mapping of the existing underground utilities such as water, sewerage, telecom. Gas pipeline etc by GPS and GPR (Ground Penetrating Radar) equipments to avoid the damage to any utility at the time of execution.</p> <p>The contractor shall carry out the foot survey within 3 (three) months from the issue of letter of award under the supervision of the Nigam's representatives and shall after conducting the foot survey submit four sets of sketches of the existing and proposed system with proper legends alongwith the proposed Bill of Quantity viz z viz the work order quantity, PERT chart, methodology – all complete in every respect - for approval by the Nigam.</p> <p>In case of delay in submission of the sketches, Bill of Quantity and PERT chart, methodology – complete in all respects – penalty @ 0.5% per week or part thereof shall be deducted from the contractor's bills subject to maximum of 2% of the contract value. This will be in addition to any other penalties mentioned in this tender document.</p>	<p>In reference to this clause GIS Mapping of the existing underground utilities is to be done using GPS & GPR Equipment and complete survey report to be submitted within 3 Months. Herein we wish to highlight that survey with GPR equipments takes substantial time hence the penalty clause may please be omitted or the duration for submission of complete survey may please be extended till 6 Months.</p>	<p>Provision of Tender document Shall Prevail</p>
10	Section IV, Contract Data	<p>The Intended Completion Date for the whole of the Works is (24) twenty four months from the date of start with the following milestones. ----- As per Approved PERT Chart -----</p>	<p>In reference to the referred clause, we envisage that the term 'milestones' stated across various clauses of the tender documents refers to the PERT chart that is to be submitted by the bidder as desired inline to the completion period and in concurrence with DHBVN. Kindly confirm that no separate completion milestone except PERT has been defined or anticipated by the employer.</p>	<p>Bidders understanding is in order</p>
11	ITB Clause 39	<p>The material shall be supplied from the approved list of empanelled firms of Nigam for supply of various item used in 11/33 kV works / Turnkey/ Deposit works /self execution works.</p>	<p>Kindly furnish Nigam's approved/ empanelled vendor list for supply of various item used in 11/33 kV works / Turnkey/ Deposit works /self execution works.</p>	<p>may be obtained from Nigam Website.</p>
1	Price Envelope 1, Sl.No 28- k,l,m,n	<p>(k) Cutting/repair/finishing of interlocking paver block road including labour & material (l) Cutting/repair/finishing of cemented concrete road including labour,material & sufficient curing (m) Cutting/repair/finishing of metallic(Bituminous) road including labour,material & sufficient curing (n) Cutting/repair/finishing of brick on edge road including labour & material</p>	<p>Against the referred item & the scope involved for restoration of cut roads we understand that the Estimate consideration is very less. We request you to revisit the unit estimated cost as it will effect the overall cost of project in terms of percentage over estimate. PWD Restoration charges wrt different type of roads is hereby enclosed. Minimum charges towards restoration may please be considered in line to this.</p>	<p>provision of tender document Shall Prevail</p>
2	Price Envelope 1, Sl.No 19, 20 & 28	<p>Ambiguity in BOQ quantity- Scope of Cable Laying</p>	<p>The total quantity of Cable and corresponding quantity of laying through open cut method doesnot co-relate. Kindly clarify the quantity difference.</p>	<p>As multiple cables are to be laid in trenches and also cable to be laid in HDPE pipe through trenchless boring, therefor the length of open cut trench vis a vis cable length appears to differ.</p>
3	Price Envelope 1, Sl.No 28- k,l,m,n	<p>Ambiguity in BOQ quantity- Scope of Road restoration</p>	<p>Against the same items as referred above, the total quantity considered for road restoration against excavation for cable laying doesnot co-relate with the total scope of cable. Kindly clarify the scope difference as against what quantum the scope of restoration is considered. Open Cut Trench - Nearly 162 Kms Restroration - Only 37582 Sqm</p>	<p>As multiple cables are to be laid in trenches, therefor the length of trench vis a vis cable length appears to differ.</p>
3	Price Envelope 1, Sl.No 28- f,g,h,i	<p>Low Estimate for cable Trench & Cable Laying as per IS 1255</p>	<p>Against the referred item & the scope involved for Excavation of trenches, laying of cables & HDPE Pipes, covering of RCC slabs, filling of sand including cast riser for cable joint marker, route markers, earthing material and earthing cable etc, including testing and commissioning is very less. Scope under the same also includes restoration of road to make as original look however separate item for the cutting, repairing & finishing of roads is also there. Kindly confirm the scope consideration. We request you to revisit the unit estimated cost as it will effect the overall cost of project in terms of percentage over estimate.</p>	<p>provision of tender document shall prevail</p>

4	Price Envelope 1, Sl.No 20	Ambiguity in BOQ quantity - LT Cable	As per the scope we understand the quantity of LT cables are considered provisional only however still the provisional quantities are very less. Request nigram to kindly review the quantity.	provision of tender document shall prevail
5	Price Envelope 1	Erection Estimate	We observe that the unit erection rates considered for various items especially ACSR Conductors, Stay Set, Termination Kits & HDPE Pipes are extremely lower. The overall implication in the project cost would be much higher as these items constitute substantial portion of erection. Hence, we request you to revisit the unit estimated cost as it will effect the overall quoted percentage over estimate.	provision of tender document shall prevail
Firm No. 4				
1	Price Schedule	Note:- In case of reduction of taxes,the payment will be made with the reduced rate of taxes.However,in case of increasing of taxes,the payment will be made on the basis of total rates quoted by successful bidder under Schedule-I.The merit will be decided on the basis of total price quoted by the successful bidders for supply of equipment/material and erection charges of erection and dismantlement for Tender Enquiry No. TSGP-02/2016-17,including taxes,duties,levies,freight and insurance under schedule-I	As we know the Introduction of GST is very likely to happen, we request the inculsion of GST and to compensate the bidder accordingly. All major Client such as POWERGRID, REC etc are doing the same.	Note under Price schedule is deleted.
2	EMD	IFB 4.0 EMD through debit Card, RTGS, Net Banking	Kindly include Demand Draft also.	As per prevailing instructions of Nigram, the EMD amount should be deposited through the stipulation made in the Bid document only.
3	ITB 1.0 Pg 12	The network analysis and load flow studies of the proposed network shall be carried out by the contractor by using software tools and any modifications required on account of the same shall be incorporated after obtaining due approval from the Engineer in Charge of the project.	Kindly confirm whether at end of project the bidder should supply the software to utility, if yes kindly confirm the no of software required. Please also suggest name of the software.	Bidder need not to supply software, however results of study and analysis shall be provided in soft and hard copy. Any standard software may be used.
4	ITB 2 Pg 13	The laying of the underground cable shall be carried out in accordance with the I S 1255 (1983)	Kindly also provide drawing of Barricading.	Contractor shall follow the best industrial practice after getting the same approved by Nigram
5	ITB 7 Pg 16	The contractor has to restore the dugout area by back filling and suitable compacting. The top layer has to be restored in the same fashion and condition to give it the original look as far as practically possible.	The approval cost of road cutting shall be borne by the employer. However cost of restoration of road will be in scope of contractor, kindly confirm.	Refer clause 1.2 sub para 7 titled restoration
6	Boq Item No 25 and ITB pg 19 (last para)	Fencing of new DT installed on plinth, RMU and LT distribution feeder Panel including gate (Per Running meter) as per Nigram Specification	Please confirm the unit is running meter of sq meter, incase of running meter please confirm the height of fencing.	Provision of Technical Specification shall prevail
7	ITB 12.6	No mobilization advance shall be paid to the successful Bidder, as such the same will not be considered in the Bid.	We request mobilization advance of 15% of total contract price.	Provision of Technical Specification shall prevail
8	ITB 12.4	The price variation shall be allowed on HT/ LT XLPE cables and Distribution Transformers as per IEEMA circulars with base date of 01.03.2017	we request you to include switchgears also in the PV list	Provision of Technical Specification shall prevail
9	ITB 12.4	The variable price as per IEEMA formula with maximum +10% ceiling but on, negative side it will be up to any extent	We request to remove cap on the positive side also.	Provision of Technical Specification shall prevail
10	ITB 12.4	PV with base date of 01.03.2017, but within the scheduled completion period, only.	We request you to ammend the line as "agreed schedule completion period only"	Provision of Technical Specification shall prevail
11		Road Permit	Please confirm the road permit will be provided by the employer.	Provision of Technical Specification shall prevail
12		Entry Tax	Please confirm the Entry Tax will be reimbursed by the employer.	Entry tax, if any shall be borne by bidder.
13	ITB 14.1	In case of separate work orders(s) issued for supply & erection part of the contract, works contract tax (WCT) shall be payable by the contractors on the erection part of the contract only.	Please confirm the rate of works contract tax (WCT).	The rate of work contract tax as on date is 5.25% on the erection part,only if the work order for erection is separate from work order of supply.The details will be applicable as per clause 14.5 only.

14	ITB 14.6	Service Tax: Service tax as per applicable rates will be borne by the Nigam. However, for civil contracts, as per reverse charge mechanism, 50% of service tax due shall be deposited by the contractor and the same will be re-imbursed only after production of deposit challan.	We believe the all the bills will be reimbursed in 21 days, kindly confirm.	As per instruction defined by Nigam that the payment will be made to suppliers/firms within 30 days after submission of bills/Invoices complete in all respect.
15	ITB 29	After opening of the price bid, the following procedures shall be followed by Nigam:- i. The price discovery for the award of turnkey project shall be generally determined based on the rates quoted by the L1 bidder and the negotiations, if any, held with the lowest bidder. However, the award of turnkey works negotiations could be held up to L3 bidder, if the difference between the L1 quoted rate and those quoted by the L2 and L3 is within 5% of the L1 quoted rates. In cases where the L1 bidder refuses to further reduce the his offered price and the L2 or L3 bidder comes forward to offer a price which is better than the price offered by the L1 bidder, the bidder whose price is accepted becomes L1 bidder. However, in such a situation, the original L1 bidder shall be given one more opportunity to match the discovered price. In case of acceptance, he would be treated as the L1 bidder.	The discussion for negotiation must be held with the L1 bidder only as it will violate the very basis of inviting a competitive bid.	As per Tender document
16	ITB 29.3	Further, the DHBVN reserves the right to award separate Contracts to two or more parties in line with the terms and conditions specified in the tender Documents.	We request to delete the clause.	As per Tender document
17	ITB 39	The material shall be supplied from the approved list of empanelled firms of Nigam for supply of various item used in 11/33 kV works / Turnkey/ Deposit works /self execution works.	If new vendor is introduced by the bidder the DISCOM will provide approval to the vendor, kindly confirm.	Minimum stipulated condition of empanelement should be fulfilled.
18	Terms of Payment Point 33 page 72	Payment Terms	Annexure V talks about supply in LOTS where as Point no 3, Page 72 doesn't kindly confirm which will prevail.	Lot size will be regulated per QAP, payment terms shall be as per clause 33 of section-III
19	Annexure V	Payment Terms	Inplace of payment of 50%, we request the bidder should be paid 70%. And again 20% against erection. 50% of cost of supply of LOT-4 and balance erection payment will be held with Employer till CEI clearance, we request you to make this payment and hold only 10% as retention.	As per Tender document
20	Boq Item No 1	Poles (PCC Poles 11 m & 9 m)	Please clarify concreting is required. If yes kindly provide its drawing & detail.	Normally concreting is not required, however if required rate shall be governed byBOQ item no 28 (I)
Firm No. 5				
1			Clarifications are required on requirement of 1 Way RMUs, whether as standalone or as add on unit. In case if required as add-on unit, then 1 Way units should be bought without Aux Transformer.	1 way RMU with auxiliary transformer shall be used in stand alone mode for avoiding straight through joints in run through lines or at Tail end. 1 way RMU without auxiliary transformer shall be used as extension for the existing RMU.
2			Since busbar are enclosed in SF6 tank (inert gas), Therefore for Tin /Silver Plating on busbar is not required. Further, Tin plating may interfere with performance of the busbar. Therefore, busbar may be mentioned as bare copper.	Refer Amendment
3			The internal arc classification may be revised to IAC A FLR instead of IAC AB FLR. 4 Space of FRTU is required in RMU. Please inform size of FRTU.	Refer Amendment
4			Please clarify requirement of PT in various configuration of RMUs.	PT is required for metering purpose at later stage and auxiliary transformer is required for charging of battery
Firm No. 6				

1	Section II/ITB/Clause No 14 (Tax & Duties)/sub clause 14.2 /Page No. 32 of 133	Bidders are required to include/make the provision for Worker's Welfare Cess – payable on erection part only under the provisions of Building and other Construction Worker's Welfare Cess Act, 1996	Under the Tender document, there is nowhere clearly mentioned about the Separate work orders for Supply and Erection will be issued by DHBVN.Please clarify whether separate order for supply and separate order for erection will be issued by DHBVN or a single order for supply and erection will be issued by DHBVN	Separate work order will be issued for supply & erection
2	Section II/ITB/Clause No 14 (Tax & Duties)/sub clause 14.5 /Page No. 32 of 133	WCT shall be payable by the contractors on erection part of the contract only.		
3	Section III/Conditions of Contract/Clause No 47 (Changes in Cost and Legislation)/sub clause 47.2 /Page No. 84 of 133	Contract Price shall be adjusted to take account of any increase or decrease in cost resulting from changes in legislation of the country.	As GST seems to be implemented from 1st July, 2017, Whether any equitable adjustment in Contract price for Bought-out supply contract will be given to contractor on account of increase/decrease in taxes and duties due to GST implementation. And how you will calculate the same as the price schedule include all the current taxation?	Reply on GST & Taxation shall be provided seperately.
4	Price Envelope 1 (BOQ)	In case of reduction of taxes, the payment will be made with the reduced rate of taxes. However, in case of increasing of taxes, the payment will be made on the basis of total rates quoted by successful bidder under Schedule-I.		
5	Vol-I/ NIT/Clause No -4/Page 5	As per NIT EMD is as follows: The earnest money shall be deposited online in cash by the firm through Debit Card or RTGS/ NEFT or Net banking. It is expected of the prospective bidder to deposit EMD online by atleast one day before deadline of submission of bids due to web portal provisioning. Any non-acceptance of EMD by web-based system on last day of submission of bids due to web-portal constraints shall be the bidder's responsibility.	We request you to please confirm that EMD shall be furnished as per ITB. Also please furnish Format of Bank Guarantee for EMD.	As per prevailing instruction of Nigam,the EMD should be deposited through the stipulated made in the bid document only.The Bank Guarantee performa of EMD is attached.
6	Vol-I/ITB/Clause No-15 (Earnest Money Deposit)/Sub Clause 15.2/Page 33	But as per ITB EMD is as follows: The Bid Security shall be 2% of estimated cost subject to maximum of Rs. 10.00 Lacs. The EMD shall be deposited online in cash by the firm through Debit Card or RTGS/ NEFT or Net banking. It is expected of the prospective bidder to deposit EMD online by atleast one day before deadline of submission of bids due to web portal provisioning. Any non-acceptance of EMD by web-based system on last day of submission of bids due to web-portal constraints shall be the bidder's responsibility. OR In the shape of Bank Guarantee from scheduled bank valid upto 193 days from the date of opening of part-1 of tender.		
Technical queries for HT/LT & AB cables				
1	Technical Specifications for LT AB Cable/Clause 1.1/Scope	This specification covers the design, manufacture, testing & inspection at manufacturer's work, supply & delivery F.O.R. destination of ISI marked 5 core Aerial Bunched Cable (16 to 150 mm ²) with cross-linked polyethylene (XLPE) insulation & bare messenger wire conductor (for Earthing) for voltages up to & including 1100 volts, suitable for solidly grounded system. The cables are intended to be used for supply/service connections in Low- tension distribution system as per schedule of requirements.	ISI marking shall be provided on Cable Drums as the cables are not covered in any Indian Standard. Please confirm.	Refer Amendment

2	SPECIFICATION NO - CSC-13-R-II/ DH/ UH/ P&D/ 2015-16/Clause No - 4/General Requirement/Sub Clause-4.1	ISI marked PVC insulated armoured cables shall confirm to IS:1554(Pt-1)/1988 with latest ammendment and bear BIS certification mark.	ISI marking shall be provided on Cable Drums as per Indian Standard. Please confirm.	Refer Amendment
3	SPECIFICATION NO - CSC-13-R-II/ DH/ UH/ P&D/ 2015-16/Clause No - 5.4/ARMOURING	Armouring shall be of galvanised round steel wires for cable size 6 sqmm. Whereas armouring shall be of galvanised steel strips for cable sizes above 6 sqmm.	Armouring shall be as per IS(Galvanised Round Wire upto 13mm Dia and Flat Strip above 13mm Dia). Please confirm.	Refer Amendment
4	SPECIFICATION NO - CSC-13-R-II/ DH/ UH/ P&D/ 2015-16/Clause No - 6.6.2/Type of Armors Dimensions	The Armor shall consists of galvanised round steel wires for cable size 4 sqmm & 6 sqmm. Whereas it shall be galvanised steel strips for cable sizes above 6 sqmm with dimensions as specified in Table 6 of IS:1554(Pt-1)/1988.	Armouring shall be as per IS(Galvanised Round Wire upto 13mm Dia and Flat Strip above 13mm Dia). Please confirm.	Refer Amendment
5	SPECIFICATION No -CSC-111-R-1/ DH/ UH/ P&D/ 2015-16 - TECHNICAL SPECIFICATION FOR 6.5/11 KV TR-XLPE POWER CABLE/Clause No-7/Insulation	Insulation for 11 KV XLPE cables.	XLPE shall not be Fire Resistant and Resistant To Chemicals Like Acid, Alkalis, Oil & Ozone as these properties are not exhibited by XLPE compound. Please confirm.	Provision of Technical Specification shall prevail
6	SPECIFICATION No -CSC-115-R-1/ DH/ UH/ P&D/ 2015-16 - TECHNICAL SPECIFICATION FOR LT XLPE POWER CABLE(UNARMOURED/ARMOURED)/ Clause No-5/Insulation	Insulation for LT XLPE cables.	XLPE shall not be Fire Resistant and Resistant To Chemicals Like Acid, Alkalis, Oil & Ozone as these properties are not exhibited by XLPE compound. Please confirm.	Provision of Technical Specification shall prevail
TECHNICAL QUERRIES FOR RMU				
1	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 1	This specification covers Design, Engineering, Manufacture, Assembly, testing, Inspection, packing of 11 kV motorized Ring Main Units with inbuilt FPI & FRTU (fully factory integrated & demonstrable at the time of inspection) with all accessories for trouble free and efficient performance and capable of being monitored and controlled by the Central SCADA.	We understand from Price Schedule that FRTU is not required now. Further we are ignoring the points related to FRTU and since it is not required please confirm minimum dimension to be left in RMU for installation at later stage.	Only supply of FRTU is not in the scope of Tender, However RMU shall be SCADA compatible and Ready for installation and integration with third party FRTU within the RMU enclosure without any additional work/materail i.e wiring etc to use it in plug and play manner.
2	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI &FRTU, clause number : 6.2.1 ; Outdoor enclosure features (for outdoor application only)	The outer enclosure shall be made of GI high tensile steel 2 mm thick	The outdoor enclosure for the outdoor RMU shall be made of 2 mm thick CRCA. This is standard type tested design of reputed manufacturers.. Request you to please accept the same.	Refer Amendment
3	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI &FRTU,6.4 Circuit Breakers	Provision of Testing of cable without opening the front door	For cable testing cable door has to be open, and doors can be open once RMU is off	Refer Amendment
4	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI &FRTU,6.4 Circuit Breakers	ON/OFF/TRIP indication on Mimic	ON/OFF/EARTH indication on Mimic Trip indication shall be thru LED on relay front which glow on Trip on fault	Refer Amendment
5	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI &FRTU,6.4 Circuit Breakers	There shall be provision of hinged doors in the RMU.	Several manufacturers have tested this product for bolted type cable cover. Request you to please accept the same.	Refer Amendment
6	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI &FRTU,6.6 CT/PT	Protection CT shall be Epoxy Resin cast with 5VA for feeder & 2.5 VA for transformer	As RMU is compact switchgear having limited space for mounting items hence CT burden shall be 2.5 VA Which is sufficient	Provision of Technical Specification shall prevail

7	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI &FRTU,Clause number 6.7 ; Protection relay	The RMU shall be equipped with self powered numerical relays with MODBUS/IEC -870-5-104/ IEC 61850 protocol	Since Self powered relay is required generally manufacturers will offer relay with modbus protocol.If not, please specify which protocol to be considered.	Provision of Technical Specification shall prevail
8	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI &FRTU,6.12- Fault passage indicator	O/C setting shall be 200-1000A	O/C setting shall be 100-800A, We would request you to kindly confirm if we have to provide FPI in all LBS Modules.	Provision of Technical Specification shall prevail
9	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clauses - 5 (6) 6.2.7 GTP (26.0)	Internal Arc test: AB FLR 20 kA for 1 Sec Bidder shall provide type test report to prove compliance to the 'Internal fault IAC- ABFLRas per IEC 62271-200 Internal Arc test: A FL 20 kA for 3 Sec	As per IEC62271-200, IAC classification are either IAC A or IAC B. There is no mention of IAC AB. The offered product is tested for IAC A FLR and we do not recommend unauthorized access. We also recommend to have the internal arc test for tank as well as cable compartment.	Refer Amendment
10	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 5 (12) & GTP (15.0)	Number of operations at rated short circuit current on CB : 25 nos for 11 kv VCB.	We confirm to provide 20 nos of operation at rated fault current and higher no. of operation at fault current. Further there is no mention of number of operation at rated short circuit current in IEC 62271-100 and it should be as per manufacturer's standard type tested design. Also the number of operation at rated fault current is 5 in DHBVN APDRP specification. Therefore request you to accept.	Refer Amendment
11	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI &FRTU,Clause number : 6.3 Isolator	Operation counter with each Load break switch	Operation counter shall be provided on VCB only	provision of TS shall prevail
12	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 5 (16)	Rated cable charging interrupting current of incomer-- Load Break Switch: 10A	Rated cable charging current shall be 68A as per manufacturer's standard type tested design.	provision of TS shall prevail
13	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 5 (17) & GTP (14.0)	Rated cable charging breaking current of breaker: 25A	Rated cable charging current shall be 68A as per manufacturer's standard type tested design.	provision of TS shall prevail
14	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.1	1 way extension type (one side) indoor/ outdoor application, 11 kv RMU consist of 1 no 630 A Load break switch along with one incoming and one outgoing cable provision.	Generally one way RMU is used for coupling with other RMU & hence there shall be no provision to use this as standalone RMU. Also RMU with front cable entry don't have the provision to use them as an IOCL RMU. Kindly clarify the exact application / requirement.	1 way RMU with auxiliary transformer shall be used in stand alone mode for avoiding straight through joints in run through lines or at Tail end. 1 way RMU without auxiliary transformer shall be used as extension for the existing RMU.
15	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.1	3 Way Extension type (2xLBS+1xVCB)- FRTU and other communications capability for remote SCADA operation shall also be provided.	There is no mention of FPI. We are considering one FPI per RMU in line with 2 way RMU. Kindly confirm.	Provision of TS shall prevail, Minimum 1 FPI per RMU, however in case more than 2 LBS in RMU then no of FPI shall be provided with (n-1) logic where n is no of LBS
16	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.1	3 way extension type (3 VCB)	FPI is not required in VCB feeders for connecting incoming and outgoing main loop. In case of cable fault, VCB shall trip.	3 way extension type VCB is not in the scope of tender
17	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.2	RMU Design Features: The RMU are to be designed, manufactured and factory integrated with FRTUs and tested to be 'SCADA ready'and delivered at site. The SCADA ready RMU should be capable of being monitored and controlled by the SCADA by the communication system through optical fibre cable network. The manufacturer shall depute his representative for supervision of the installation, testing and commissioning of the RMU at site. The RMU shall include potential free contacts so as to connect to SCADA via RTU/FRTU, so as to:	Since FRTU is not required now, RMU shall not be SCADA ready. Kindly clarify if potential free contacts are required or not.	Only supply of FRTU is not in the scope of Tender, However RMU shall be SCADA compatible and Ready for installation and integration with third party FRTU within the RMU enclosure without any additional work/materail i.e wiring etc to use it in plug and play manner.

18	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.2.3	The RMU shall be designed so that the position of the different devices is visible to the operator on the front and operations are also visible.	Position indication shall be provided b mimic on the front of RMU which is covered with a hydraulic door. Hence position indication is possile only after opening the door.	Bidders understanding is in order.
19	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.2.4	The RMU shall be completed with all connection and tinned copper or silver plated copper bus bar with continuous current carrying capacity of 630A as per relevant IEC/IS.	All conductor inside the tank of RMU is made from electrolytic grade copper. As the complete environment inside SS tank is completely oxygen free, tinned copper or silver plated coppber is not an essential requirement. Hence, request you to suitably ammend the clause.	Refer Amendment
20	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.2.5	The cables shall be earthed by an earth switch with short circuit making capacity in compliance with IEC 62271-102. Circuit breaker shall not be closed in case Earth Switch is closed.	In case of Load Break Switch feeder, earthing shall be done by earth switch with short circuit making capacity. In case of Circuit Breaker feeder, earthing shall be achieved by earth switch in conjunction with Circuit Breaker as per our standard type tested design. The purpose of earthing is acheived which is of more importance.	Refer Amendment
21	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.2.5	The earth switch shall be fitted with its own operating mechanism and manual closing shall be driven by a fast-acting mechanism, independent of operator action.	In case of Circuit Breaker feeder, three position switch (ON-OFF-EARTH) is an OFF Load switch and without fast acting mechanism. The purpose of earthing is acheived which is of more importance.	Provision of Technical Specification shall prevail
22	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.3	The RMUs shall be equipped with 630Amp fault making/load breaking spring assisted ring switches, each with integral fault making/load breaking earth switches.	Earth switch will have only fault making capacity.	Refer Amendment
23	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.3(2)	Mechanism for manual and motorised operation with integrated earthing switch	Motorized operation is only possible for Load Break Switch. As a manufacturer, we do not recommend the motorized operation earth switch due to safety reasons.	Refer Amendment
24	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.4	Mechanical indication of the open, closed and earthed positions of the circuit breaker shall be provided.	Circuit breaker shall have only Open & Closed position. Circuit breaker feeder shall be provided with three positon disconnecter for earthing of the feeder.	Provision of Technical Specification shall prevail
25	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.4	11. ON, OFF, TRIP indication on the front mimic of the panel	Only ON & OFF indication are possible on the front mimic. Trip indication shall be provided on relay indication by LED	Refer Amendment
26	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.7	The breaker shall have the provision of flag Relay for indication of Trip on Fault High set (DT)	The breaker shall have the provision of LED indication on relay instead of flag	Refer Amendment
27	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.12	The unit shall have Short Circuit and Earth fault adjustable to different settings with separate Current transformer. They shall be fully field-programmable and shall have o/c setting 200-1000 A and E/F setting 10-150 A. To restrain operation of fault passage indicators due to inrush / switching current, settings of time delay of 1s-5s shall be available.	We have considered FPI per LBS Feeder. Limits for the same are as below. For Earth Sensor:10amp to 100amp	Provision of Technical Specification shall prevail
28	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.12	IEC 60068-2-9 Environmental testing - For Vibration, solar radiations	The Fault Passage Indicators shall be suitable for use in the tropical climate condition stipulated in the relevant paragraph. The components used in the Fault Passage Indicators shall be suitably protected from direct sunlight to prevent malfunctioning due to solar radiation. The maximum operating temperature shall not be less than 70° C. The Fault Passage Indicator sensors shall be IP67 Complaint. Tests are according to standards IEC 60255-21-1, IEC 60255-21-2, IEC 60068-2-6, IEC 60068-2-27. Performed tests Vibration Response, Class 1. Vibration Endurance, Class 1. Shock Response, Class 1 . Shock Withstand, Class 1. Bump, Class 1.	Provision of Technical Specification shall prevail
29	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 6.14	Surge Arrestor	For Offered RMU we have considered 1no. Surge arrestor in Y-PH.(Inside of Metering panel)	Provision of Technical Specification shall prevail
30	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - 9.1	The type test produced by supplier shall be only from reputed NABL accredited testing laboratories such as CPRI from India and KEMA, Volta, KERI, CESI, ERDA etc from remaining part of the globe.	Request you to accept the reports from other accceted lab such as PHELA etc.	Provision of Technical Specification shall prevail
31	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - GTP (20.0)	Temp rise above ambient: 50 Deg C.	It should be inline with IEC 60694	Refer Amendment

32	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - GTP (29.0)	SF6 Tank design: Hermetically/robotically sealed unpainted stainless steel enclosure with SF6 Gas. Sealed pressure system by Laser welding so that no refilling of gas is required for 30 years. No gas work at site. Complete body shall be tamperproof to prevent access to live parts. No gaskets shall be used. No bolts shall be provided	SF6 tank of offered RMU shall be MIG welded and sealed for life. There is no gas filling required for entire lifecycle of the switchgear under normal operating condition. Kindly accept the same	Provision of Technical Specification shall prevail
33	Specification No. CSC-117/R-1//DH/UH/P&D/2015-2016/Clause - NA	Metering	We assume that metering is not required	Meter is not to be provided but metering provision as per specification
34	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI & FRTU, Clause - 6.14 Battery Charger	24 V DC batteries shall have sufficient capacity to supply power to the following devices with a nominal back up 12 Hr - Rmu motor for minimum of 5 year & trip coil, closing coils and FPI	We understand that Battery should be capable for Motor Charging, trip, closing and FPI. We need not consider FRTU Load in Battery. If required then please specify the load to be considered.	The battery shall be design to cater all the loads envisaged in the Technical specification including FRTU.
	TECHNICAL QUERRIES FOR LT FEEDER PILLARS			
1	CSC-133/R-1/DH/UH/P&D/2016-17, Page 6 of 40, Clause 5.9	2 no incoming 6 nos. outgoing for type A to D pillars and 2 no incoming 10 nos outgoing for type E pillars	Bus Bar Configuration is not clear.	Given in clause no 6.22
2	CSC-133/R-1/DH/UH/P&D/2016-17, Page 6 of 40, Clause 5.17	Provision shall be make to mount the CT operated meter	CT to be provided or not. If yes, mounting of CTs will be required. Size of meter will be required to give provision in feeder pillars.	Refer clause 8.0
3	CSC-133/R-1/DH/UH/P&D/2016-17, Page 7 of 40, Clause 6.14	Min. three anti theft type hinges. Hinges shall not be visible from outside and hence not removable. Tight fit brass type - 100mm ID, 12.7mm OD & 20mm length. All accessories such as hinges, screws shall be of non-corroding material	ID should be 10mm instead of 100mm.	Refer Amendment
4	, Clause 6.15 CSC-133/R-1/DH/UH/P&D/2016-17, Page 7 of 40	Min. 150 degree.	Door opening will be 120 deg.	Provision of Technical Specification shall prevail
5	CSC-133/R-1/DH/UH/P&D/2016-17, Page 8 of 40, Clause 6.15	The door shall be fitted with gaskets made of non-inflammable and self-extinguishing EPDM rubber.	Neoprene Gasket will be provided which is better than EPDM rubber.	Provision of Technical Specification shall prevail
6	CSC-133/R-1/DH/UH/P&D/2016-17, Page 14 of 40, Clause 7.1.2	The circuit breaker shall have indication of mechanical wear of contacts enabling visible indication of contact life.	The operator needs to open the Arc chute and see the indication physically wear out of contacts. (i.e. no indication of mechanical wear out on ACB)	Refer Amendment
7	CSC-133/R-1/DH/UH/P&D/2016-17, Page 14 of 40, Clause 7.1.2	Busbar-ACB terminal joint temperature sensing feature should be on modbus as per communication architecture defined in clause 8.1 below	ACB terminal joint temperature sensing feature is not possible to provide.	Refer Amendment
8	CSC-133/R-1/DH/UH/P&D/2016-17, Page 15 of 40, Clause 7.1.2 (16)	Earth fault setting with time - 30% to 70%	Earth fault setting shall be from 20%-60% as per L&T's standard product setting range.	Provision of Technical Specification shall prevail
9	CSC-133/R-1/DH/UH/P&D/2016-17, Page 15 of 40, Clause 7.1.3	Tripping time should be less than 30ms to reduce the let through energy in the event of fault.	Tripping time shall be 40ms as per L&T's standard product setting range.	Provision of Technical Specification shall prevail
10	CSC-133/R-1/DH/UH/P&D/2016-17, Page 15 of 40, Clause 7.1.3	There shall be mechanical indicator on the front panel for "Ready to close" situation for the breaker by checking all interlocks.	Please note that we give Ready to close micro-switch, it is an electrical indication. The wiring of the micro-switch will be done with an LED on the panel for indication purpose. No mechanical indication shall be provided.	Refer Amendment
	OTHER QUERIES			
1	Schedule of Prices Item S No - 19(a,b,c,d) HT Cables	Unit rate for Laying of HT Cables	It is observed that unit rates for laying of HT cables is not included in schedule of prices. We request you to please incorporate the unit rates for laying of HT cable and issue revised schedule of prices.	Unit rates of cable lying are covered in BOQ item no 28 f,g,h,i
2	Drawing of 11KV Power & Optical Fibre cable in Excavated Trench	As per drawing, Sand cushion requirement is as follows: 100 mm sand cushion shall be provided below the cable & 150 mm sand cushion above cables shall be provided.	We request you to please confirm the exact requirement for Sand Cushion and revise the schedule of rates appropriately.	Refer Amendment
3	Schedule of Price Item S No - 28(f,g,h,i)	As per Schedule of Prices, Sand cushion requirement is as follows: 100mm Jamuna Sand shall be provided.		

4	Schedule of Rates	Unit Rates for supply & erection of variuos items.	<p>Unit rates for supply & erection of various items are very low and are not workable (for eg - supply rates of cables, PCC Poles, MS Galvanised Items, Insulators, DB's, HDPE Pipe etc and erection rates for insulators, clamps, cables, HT Termination Kits, cable trenches, HDPE pipe by HDD method etc). We request you to please review the rates for erection of items and issue revised schedule of rates.</p> <p>Also for ersion of various items like Poles, Stay sets, earthing etc the rates are low. We feel that civil work for these items are not considered. We request you to please review the rates for erection of items and issue revised schedule of rates.</p>	The erection charges provided includes all of type of rection activities including civil work for that particular item
Firm No. 7				
1	Clause number : 5-GTP	Internal Arc Test-ABFLR 20 KA for 1 sec	Internal Arc Test-AFL 20 KA for 1 sec, RMU manufaturer can only provide AFLR. For achieving ABFLR, contractor needs to fance the RMU, Hence fancing should be mentioned seperatly. RMU is tested for AFLR. Further since safty is major concern, We would like to take this opportunity to share that RMU is availble with 21 KA for 1 Sec Internal arc both for Cable and Breaker Chamber, which increases reliability and safty. hence we would request to kindly upgrade it to 21 KA for 1 Sec.	Refer Amendment
2	Clause number : 6.2.1 ; Outdoor enclosure features (for outdoor application only)	The outer enclosure shall be made of GI high tensile steel 2 mm thick	The outdoor enclosure for the outdoor RMU shall be made of 2 mm thick CRCA. This is our standard type tested design. Kindly accept the same.	Refer Amendment
3	Clause number : 6.2.4	The RMU shall be completed with all connection and tinned copper or silver plated copper bus bar with continuous current carrying capacity of 630	Since Bus Bar of RMU is encapsulated in side a Sf6 enclosed chamber and also Rmu is tested for bare copper for temperature rise test inside the SF6 gas tank. Thus no need to to have Tinned or silver plated busbar. Hence would request to kindly make it optional as per manufacturer.	Refer Amendment
4	Clause number : 6.3 Isolator	5.) Operation counter with each Load break switch	We shall provide counter on VCB only	Provision of Technical Specification shall prevail

5	6.4 Circuit Breakers	Provision of Testing of cable without opening the front door	For cable testing cable door has to be open, and doors can be open once RMU is off	Refer Amendment
6	6.4 Circuit Breakers	ON/OFF/TRIP indication on Mimic	ON/OFF/EARTH indication on Mimic Trip indication shall be thru LED on relay front which glow on Trip on fault	Refer Amendment
7	6.4 Circuit Breakers	There shall be provision of hinged doors in the RMU.	The product is tested to for bolted type cable cover. Kindly accept the same.	Refer Amendment
8	6.6 CT/PT	Protection CT shall be Epoxy Resin cast with 5VA for feeder & 2.5 VA for transformer	As RMU is compact switchgear having limited space for mounting items hence CT burden shall be 2.5 VA Which is sufficient	Provision of Technical Specification shall prevail
9	Clause number 6.7 ; Protection relay	The RMU shall be equipped with self powered numerical relays with MODBUS/IEC -870-5-104/ IEC 61850 protocol	Since Self powered relay is required generally Schneider will ofer relay with modbus protocol.If not please specify which protocol to be considered.	Provision of Technical Specification shall prevail
10	6.12-Fault passage indicator	O/C setting shall be 200-1000A	O/C setting shall be 100-800A, We would request you to kindly confirm if we have to provide FPI in all LBS Modules.	Provision of Technical Specification shall prevail
11	9.4 Acceptance tests:	Pre-commissioning test to be conducted on each RMU before installation and commissioning are as under- a) IR value. b) HV test (AC). c) Primary injection with timer of breaker including relay and CT circuit. d) Contact resistance	Pre-commissioning test shall not in our scope	Provision of Technical Specification shall prevail
12	19 Warranty	72 months from date of commissioning	warranty shall be 60 months from commissioning or 66 moths from dispatch whichever is earlier	Provision of Technical Specification shall prevail
13	Clause. 1 - Scope	11 KV Motorized Ring main unit with inbuilt FPI & FRTU	In BOQ it is mentioned RMU without FRTU. Please confirm if FRTU needs to be considered. If required please provide details of FRTU. If not required please confirm minimum dimension to be ledt in RMU for installation at later stage.	Only supply of FRTU is not in the scope of Tender, However RMU shall be SCADA compatible and Ready for installation and integration with third party FRTU within the RMU enclosure without any additional work/materail i.e wiring etc to use it in plug and play manner.
14	Clause 6 General construction, Clause 6.1 configuration	1 Way Extension type	Please confirm purpose of 1 way RMU with one incoming and one outgoing cable provision.	1 way RMU with auxiliary transformer shall be used in stand alone mode for avoiding straight through joints in run through lines or at Tail end. 1 way RMU without auxiliary transformer shall be used as extension for the existing RMU.
15	Clause - 6.14 Battery Charger	24 V DC batteries shall have sufficient capacity to supply power to the follwong devices with a nominal back up 12 Hr - Rmu motor for minimum of 5 year & trip coil, closing coils and FPI	We understand that Battery should be capable for Motor Charging, trip, cosing and FPI. We need not consider FRTU Load in Battery. If required then please specify the load to be considered.	The battery shall be design to cater all the loads envisaged in the Technical specification including FRTU.
16	BOQ	f) Outdoor type 11 KV SF6 type extensible and motorized one way smart Ring Main Unit (RMU) complete with LB and with FPI as per IS with the provision of self powered supply through 1 kVA auxilliary power transformer 11/0.230 KV as per Nigam Specs qty 183	We would request you to kindly confirm the purpose of this RMU. Also confirm if PT is also required, would request you to kindly provide PT details.	1 way RMU with auxiliary transformer shall be used in stand alone mode for avoiding straight through joints in run through lines or at Tail end. 1 way RMU without auxiliary transformer shall be used as extension for the existing RMU.
17		g) Outdoor type 11 KV SF6 type extensible and motorized one way smart Ring Main Unit (RMU) complete with VCB as per IS with the provision of self powered supply through 1 kVA auxilliary power transformer 11/0.230 KV as per Nigam Specs - Qty - 24 nos	We would request you to kindly confirm the purpose of this RMU. Also confirm if PT is also required, would request you to kindly provide PT details.	1 way RMU with auxiliary transformer shall be used in stand alone mode for avoiding straight through joints in run through lines or at Tail end. 1 way RMU without auxiliary transformer shall be used as extension for the existing RMU.

18		m) Outdoor type 11 KV SF6 type extensible and motorized one way smart Ring Main Unit (RMU) complete with LB and with FPI as per IS . Qty - 71 Nos	Please confirm if Auxiliary trf and PT is required or not also would request you to kindly confirm the purpose of these RMU.	1 way RMU with auxiliary transformer shall be used in stand alone mode for avoiding straight through joints in run through lines or at Tail end. 1 way RMU without auxiliary transformer shall be used as extension for the existing RMU.
19		n) Outdoor type 11 KV SF6 type extensible and motorized one way smart Ring Main Unit (RMU) complete with VCB as per IS. Qty - 46 Nos	Please confirm if Auxiliary trf and PT is required or not also would request you to kindly confirm the purpose of these RMU.	1 way RMU with auxiliary transformer shall be used in stand alone mode for avoiding straight through joints in run through lines or at Tail end. 1 way RMU without auxiliary transformer shall be used as extension for the existing RMU.
20		o) Outdoor type 11 KV SF6 type bus coupler/Bus dis-connector as per IS Qty - 49	Please confirm Purpose of these Modules, also would request you to provide specs for the same.	one way RMU shall be used as bus coupler
21			Kindly clarify the scope of metering (on which feeder req , CT rating etc etc)	Meter not to be provided, however metering provision is to be made as per technical specification.
22			we have not considered any FRTU OR its provision	Only supply of FRTU is not in the scope of Tender, However RMU shall be SCADA compatible and Ready for installation and integration with third party FRTU within the RMU enclosure without any additional work/materail i.e wiring etc to use it in plug and play manner.
23			we have not considered battery capacity suitable for our RMU operation only not for any other item e.g FRTU	The battery shall be design to cater all the loads envisaged in the Technical specification including FRTU.
Firm No. 8				
1	Bidding Document Vol-I (ITB Clause 1.2.8 Facilitation of Updation of GIS System) Page No 16 & 17 of 133	The contractor will facilitate the third party appointed by DHBVN in carrying out the Asset Mapping activities using DGPS based GIS survey. & The contractor shall deploy required qualified and trained resources for field activities (Asset Mapping/ Consumer Indexing) alongwith GIS SME (subject matter expert) for back office work.	What facility exactly want from Contractor if Third party appointed by DHBVN It needs elaboration as no discription of the item is given in the BOQ.	The contractor is required to carry out GPS survey to capture the asset details on GIS platform.In the present scenario GIS based system has been established in DHBVN under RAPDRP, which is standard ESRI product. In order to update the asset in GIS system, the bidder is required to prepare detailed PGDB (Personal Geographical Data Base) for bulk data updation in respect of newly created asset. And the GIS data captured by the bidder will be validated completely before submission to DHBVN for checking to ensure the correctness.The bidder will also submit the details of the dismantled assets on the defined templates for updation by third party agency hired by DHBVN.
2	Bidding Document Vol-I ITB 2.1 Technical Criteria Page No 24 of 133	50% of the length of HT underground cable given under the package/bid	For qualification purposes one circuit kilometer laying with single core cable for single circuit/double circuit should be considered as 3km/6Km having been laid.	Bidders understanding is in order
3	Bidding Document Vol-I ITB 2.9 QR Supplier HT Cable Page No 28 of 133	500 km of 400 mm2 or higher size 11 kV or above voltage level XLPE cable during the preceding completed financial year	Higher 11KV voltage and Multiple sizes of cable should be consider for calculating the eligiblity criteria.	provision of tender document shall prevail

4	Bidding Document Vol-I ITB 14. Taxes & Duties Page No 32 of 133	14. Taxes and Duties	Kindly confirm the impact of GST is consider or not?	Reply on GST & Taxation shall be provided seperately.
5	Bidding Document Vol-I ITB 15. Earnest Money Deposit Page No 33 of 133	15. Earnest Money Deposit	Kindly furnish the details of the banks, ransaction codes,account details etc for facilitating the preparing the Bank Guarantee required for the EMD .	AXIS BANK HISAR Dhbvn A/C NO 26001020000444 IFSC CODE UTIB0000260
6	Bidding Document Vol-I (Clause 59. Railway/Highway/Forest Crossing) Page No 88 of 133	"All charges as payable to Railway/Highway/Forest shall be initially borne by the bidder and the same be reimbursed by the owner on actual basis." However, the responsibility of owner shall be limited to extending support to contractor for expediting the approval from the Railway/Highway/Forest department.	ROW approval should be prime responsibility of DHBVN	provision of tender document shall prevail
7	Bidding Document Vol-I (Quantity of BOQ 28 k, l, m & n) Page No 132,133 of 133	Quantity of restoration given in Sqm does not commensurate with the trench length provided.	Quantity may be revised	As multiple cables are to be laid in trenches, therefor the length of trench vis a vis cable length appears to differ.
8	Bidding Document Vol-I Page No 133 of 133	LT & HT Pole With Complete Steel Structure	Separate BOQ item be provided for dismantling of pole accessories such as Insulator fittings, steel structure, etc., and not clupped with Pole dismantling.Since the dismantling of the assessories of the poles such as insulators fitting hardware,steel structural items etc has been clubbed with the pole dismantling,the handover of the material to the stores will be arduous,kindly create a mechanism in advance so that smooth handover takes place.	provision of tender document shall prevail, however the same will be carried out under Nigam supervision and proper accounting mechanism will be formulated during execution stage.
9	Price Envelop 1 - Sheet 2	Note : Tender Enquiry No. TSGP-02/2016-17,including taxes,duties,levies,freight and insurance inder schedule-I	Kindly Clarify the Tender Enquiry No as it is a mismatch.	Note under Price Shedule is deleted
10	Price Envelop 1 - Sheet 2 & BOQ (BOQ items at 28 f, g, h, l)	Excavation for trenches upto 2m depth for size 1000mmX1200mmX700mm	The items may be modified so that Trench width and depth is only given	As per BOQ
Firm No. 9				
1	Price schedule- Sr.no 10-a,b,c	Price BOQ :- LT XLPE AB Cable 3C x150 mm ² (PH)+ 1Cx150 mm.sq.(N)+1C x125 mm.sq.(M) + 16mm ² (SL)	With refer to Price BOQ, LT Aerial bunched cable mentioned 3C, However in the Technical specification is mentioned 5C core. Please confirm/ clarify the correct number of core for AB cable.	specification clearly indicate 5 core which includes 3 core for phase, 1 core for neutral and 1 core for street light.
2	SECTION –VII-C (TECHNICAL SPECIFICATION OF EQUIPMENTS)	ACSR Conductor 100mm ² insulated -CSC-112/DH/UH/P&D/20152016	As per given volume II technical specification of the ACSR Conductor 100mm ² insulated, However avaiable technical spec 105mm ² on the DHBVN Website. Please clarify and provide the correct cross section area of the conductor	The specification of 105 sq.mm are applicable.
3	SECTION –VII-C (TECHNICAL SPECIFICATION OF EQUIPMENTS)	V/straight-Cross Arm -S-180/DD-177	Please provide the technical specification of V/straight-Cross Arm	Refer specification no V/straight-Cross Arm -S-180/DD-177 which are available on Nigam Web site
4	General	Bank Gurantee	Please provide the format of bank Gurantee.	As per prevailing instruction of Nigam,the EMD should be deposited through the stipulated made in the bid document only.The Bank Guarantee performa of EMD is attached.
5	Volume 01 - clause Number 33.1	PBG :- BG would be issued by any scheduled bank in branch situated in Hisar	With refer the clause number 33.1 Volume no 01, request you to accept the performance bank gurantee issued from any scheduled bank situated in Haryana state.	provision of tender document shall prevail
6	Volume 01 - clause Number 44.1	Taxes & duties	As discussed in the pre-bid meeting on dated 04.05.2017, request you to provide the applicable tax structure related to (GST) Goods and service tax.	Reply on GST & Taxation shall be provided seperately.
7	General	Types of contract	As per our understanding this is diviable contract. Please confirm that the work shall be issued for supply and erection separately.	Seprate work order for supply and erection shall be issued
8	Volume 01 - clause Number 14.6	Service Tax-Service tax as per applicable rates will be borne by the Nigam. However, for civil contracts, as per reverse charge mechanism, 50% of service tax due shall be deposited by the contractor and the same will be re-imbursed only after production of deposit challan	As per our understanding applicable service tax on erection and installtion portion borne by the nigam.Please clarify that the budget considered by the nigam is exclusive of service tax on erection and installtion portion.	As per indtruction of income tax that service tax should be borned by the service reciever only after the production of deposit of challan by the contractor.
9	Volume 01 - clause Number 12.4	Price Variation - IEEMA Formula	As per existing clause number 12.4, The variable price as per IEEMA formula with maximum +10% ceiling but on, negative side it will be up to any extent . We request to Nigam to put a cap on negative side also.	provision of tender document shall prevail

10	Volume 01 - clause Number 8	Facilitaion of the Updation of GIS system developed in DHBVN under RAPDRP	With refer the clause number 08 of the volume 01, Any changes in the existing infrastrusture is being incorporated in the RAPDRP GIS system through a third party under the direct supervision of DHVBN. Please clarify what is the scope of contractor in GIS Mapping or we need to supervise the role of third party.	After the execution of this project, the existing 11kV infrastructure will be changed completely and LT infrastructure drastically. The contractor is required to carry out GPS survey to capture the asset details on GIS plateform.In the present scenario GIS based system has been established in DHBVN under RAPDRP, which is standard ESRI product. In order to update the asset in GIS system, the bidder is required to prepare detailed PGDB (Personal Geographical Data Base) for bulk data updation in respect of newly created asset. Any access and understanding of the existing GIS system shall also be given to the bidder for development of the PGDB and its further compatibility with the existing GIS system for its integration.The GIS data captured by the bidder will be validated completely before submission to DHBVN for checking to ensure the correctness.The bidder will also submit the details of the dismantled assets on the defined templates for updation by third party agency hired by DHBVN.
11	Volume 01 - clause Number 20	Inspaction of Material & Testing	As per ourstanding for the Material inspaction at manufacturer premises all lodging & boarding, Local fare in the account of contractor. And also confirm how many persones from DHVBN will inspect the material and how many days.	provision of tender document shall prevail, however number of personnel shall be deputed as per requirement
12	Volume 01 - clause Number 2.1	Technical Criteria -The bidder should have carried out during the last 5 years from the date of NIT/ tender publication on website/ in newspapers, on turnkey basis, a project of 11 kV or above voltage level equivalent to the 80% of the estimated cost of the package/ bid. During the above said period the prospective bidder should have laid 11 kV or above voltage level cable under the ground, in one or more projects, the length of the cable laid underground to be 50% of the length of HT underground cable given under the package/bid, regardless of the size and type of cable.	As discussed during the Per-bid meeting on dated 04.05.2017, this clause will reduce the particepation of major EPC contractor and for healthy competition, we request you to relax this criteria at least 25% of the length of HT cables or above voltage Level.	provision of tender document shall prevail
13	General	Funding Agency	Please provide the name of funding agency for this projects. And also update on the funds secure/grant approved for this projects.	payment terms shall be regulated as per the terms & conditions of tender documents
14	Volume 01- Price schedule Item no F	Excavation for trenches upto 2m depth for size 1000mmX1200mmX400mm with supplying & laying 100mm Yamuna sand for 1 nos. cables	With refer to tender price schedule item number F, excavation 2 m depth are not required 11KV voltage class cables. As per our design team 1 m depth are sufficient for the same .Please confirm	provision of tender document shall prevail
15	Technical specification clause no 10.1	Core Construction of distribution Transformer	As discussed during the Per-bid meeting on dated 04.05.2017, Transformer core inspection at purchaser premisis is the cause of delay of supply of transformer and perojects may be hampered due to this reason. So Inspaction of complete transformer possible in transformer manufacturer premisis only. we can arrange and submit the type test report of core of the transformer.	provision of tender document shall prevail
16	General	Energy Meter /Consumer connection Work	As discussed during the Per-bid meeting on dated 04.05.2017, LT Energy meter/ consumer connection work are not part of this projects. Please confirm	This clause is applicable only in case of LT under grounding which is very less in quantity and accordingly very few no of consumer meter will be required to be shifted, which can be captured during the foot survey.
17	General	Fencing of new DT installed on plinth, RMU and LT distribution feeder Panel including gate (Per Running meter) as per Nigam Specification	Please provide the drawing for Fencing work for DT, RMU, LT distribution feeder Panel	Already provided in the tender document
18	General	Store Location	Kindly provide exact Location for store location of DHBVNL for depositing of dismantled items.	Divisional store Gurgaon
19	General	Compensations for crops or tree cuttings	Cost of compensations payable for the standing crops or tree cuttings etc in the scope of DHVBN. Please confirm	provision of tender document shall prevail

20	ITB clause no 1.1	Foot survey and network designing of the system	Time period for approval of foot survey, BOQ and pert chart by Whole time directors of Nigam to be specified. Any delay in approval shall be to DHVBN account. Please confirm	Minimum justified time shall ebtaken for according approval
Firm No. 10				
1	1	This specification covers Design, Engineering, Manufacture, Assembly, testing, Inspection, packing of 11 kV motorized Ring Main Units with inbuilt FPI & FRTU (fully factory integrated & demonstrable at the time of inspection) with all accessories for trouble free and efficient performance and capable of being monitored and controlled by the Central SCADA.	We understand from Price Schedule that FRTU is not required now. Further we are ignoring the points related to FRTU. Also request you to clarify if space is required to mount FRTU with RMU or not. If required, kindly provide the dimension of the FRTU.	Only supply of FRTU is not in the scope of Tender, However RMU shall be SCADA compatible and Ready for installation and integration with third party FRTU within the RMU enclosure without any additional work/materail i.e wiring etc to use it in plug and play manner.
2	5 (6)	Internal Arc test: AB FLR 20 kA for 1 Sec	As per IEC62271-200, IAC classification are either IAC A or IAC B. There is no mention of IAC AB. The offered product is tested for IAC A FLR and we do not recommend unauthorized access. We also recommend to have the internal arc test for tank as well as cable compartment. <small>4.101.2 Types of accessibility Three types of accessibility to the enclosure of metal-enclosed switchgear and controlgear at the site of installation are defined: Accessibility Type A: restricted to authorized personnel only. Accessibility Type B: unrestricted accessibility, including that of the general public. Accessibility Type C: restricted by installation out of reach and above a general public area.</small>	Refer Amendment
	6.2.7 GTP (26.0)	Bidder shall provide type test report to prove compliance to the 'Internal fault IAC- ABFLRas per IEC 62271-200 Internal Arc test: A FL 20 kA for 3 Sec		
3	5 (12) & GTP (15.0)	Number of operations at rated short circuit current on CB : 25 nos for 11 kV VCB.	We confirm to provide 20 nos of operation at rated fault current and higher no. of operation at fault current. Further there is no mention of number of operation at rated short circuit current in IEC 62271-100 and it should be as per manufacturer's standard type tested design. Also the number of operation at rated fault current is 5 in DHVBN APDRP specification. Therefore request you to accept.	Refer Amendment
4	5 (16)	Rated cable charging interrupting current of incomer-- Load Break Switch: 10A	Rated cable charging current shall be 68A as per manufacturer's standard type tested design.	Provision of Technical Specification shall prevail
5	5 (17) & GTP (14.0)	Rated cable charging breaking current of breaker: 25A	Rated cable charging current shall be 68A as per manufacturer's standard type tested design.	Provision of Technical Specification shall prevail
6	6.1	-1 way extension type (one side) indoor/ outdoor application, 11 kV RMU consist of 1 no 630 A Load break switch along with one incoming and one outgoing cable provision.	Generally one way RMU is used for coupling with other RMU & hence there shall be no provision to use this as standalone RMU. Further in BOQ, control transformer is asked which is also not required for one way RMU which is to be used for coupling. Also RMU with side cable entry are not safe as they don't have provision of interlock for cable compartment cover. Kindly clarify the exact application / requirement.	1 way RMU with auxiliary transformer shall be used in stand alone mode for avoiding straight through joints in run through lines or at Tail end. 1 way RMU without auxiliary transformer shall be used as extension for the existing RMU.

7	6.1	'-3 Way Extension type (2xLBS+1xVCB)- FRTU and other communications capability for remote SCADA operation shall also be provided.	There is no mention of FPI. We are considering one FPI per RMU in line with 2 way RMU. Kindly confirm.	Provision of TS shall prevail, Minimum 1 FPI per RMU, however in case more than 2 LBS in RMU then no of FPI shall be provided with (n-1) logic where n is no of LBS
8	6.1	3 way extension type (3 VCB)	FPI is not required in VCB feeders for connecting incoming and outgoing main loop. In case of cable fault VCB shall trip	3 way extension type VCB is not in the scope of tender
9	6.2	<p>RMU Design Features:</p> <p>The RMU are to be designed, manufactured and factory integrated with FRTUs and tested to be 'SCADA ready' and delivered at site. The SCADA ready RMU should be capable of being monitored and controlled by the SCADA by the communication system through optical fibre cable network. The manufacturer shall depute his representative for supervision of the installation, testing and commissioning of the RMU at site.</p> <p>The RMU shall include potential free contacts so as to connect to SCADA via RTU/FRTU, so as to:</p>	Since FRTU is not required now, RMU shall not be SCADA ready. Kindly clarify if potential free contacts are required or not.	Only supply of FRTU is not in the scope of Tender, However RMU shall be SCADA compatible and Ready for installation and integration with third party FRTU within the RMU enclosure without any additional work/material i.e wiring etc to use it in plug and play manner.
10	6.2.3	The RMU shall be designed so that the position of the different devices is visible to the operator on the front and operations are also visible.	Position indication shall be provided b mimic on the front of RMU which is covered with a hydraulic door. Hence position indication is possible only after opening the door.	Bidders understanding is in order.
11	6.2.4	The RMU shall be completed with all connection and tinned copper or silver plated copper bus bar with continuous current carrying capacity of 630A as per relevant IEC/IS.	All conductor inside the tank of RMU is made from electrolytic grade copper. As the complete environment inside SS tank is completely oxygen free, tinned copper or silver plated copper is not an essential requirement. Hence, request you to suitably amend the clause.	Refer Amendment

12	6.2.5	The cables shall be earthed by an earth switch with short circuit making capacity in compliance with IEC 62271-102. Circuit breaker shall not be closed in case Earth Switch is closed.	In case of Load Break Switch feeder, earthing shall be done by earth switch with short circuit making capacity. In case of Circuit Breaker feeder, earthing shall be achieved by earth switch in conjunction with Circuit Breaker as per our standard type tested design. The purpose of earthing is achieved which is of more importance.	Refer Amendment
13	6.2.5	The earth switch shall be fitted with its own operating mechanism and manual closing shall be driven by a fast-acting mechanism, independent of operator action.	In case of Circuit Breaker feeder, three position switch (ON-OFF-EARTH) is an OFF Load switch and without fast acting mechanism. The purpose of earthing is achieved which is of more importance.	
14	6.3	The RMUs shall be equipped with 630Amp fault making/load breaking spring assisted ring switches, each with integral fault making/load breaking earth switches.	Earth switch will have only fault making capacity.	Refer Amendment
15	6.3(2)	Mechanism for manual and motorised operation with integrated earthing switch	Motorized operation is only possible for Load Break Switch. As a manufacturer, we do not recommend the motorized operation earth switch due to safety reasons.	
16	6.4	Mechanical indication of the open, closed and earthed positions of the circuit breaker shall be provided.	Circuit breaker shall have only Open & Closed position. Circuit breaker feeder shall be provided with three position disconnect for earthing of the feeder.	Provision of Technical Specification shall prevail
17	6.4	11. ON, OFF, TRIP indication on the front mimic of the panel	Only ON & OFF indication are possible on the front mimic. Trip indication shall be provided on relay indication by LED	Refer Amendment
18	6.7	The breaker shall have the provision of flag Relay for indication of Trip on Fault High set (DT)	The breaker shall have the provision of LED indication on relay instead of flag	Refer Amendment
19	6.12	The unit shall have short circuit and earth fault adjustable to different settings with separate Current transformer. They shall be fully field-programmable and shall have o/c setting 200-1000 A and E/F setting 10-150 A. To restrain operation of fault passage indicators due to inrush / switching current, settings of time delay of 1s-5s shall be	We have considered FPI per LBS Feeder. Limits for the same are as below. For Earth Sensor:10amp to 100amp	Provision of Technical Specification shall prevail
20	6.12	IEC 60068-2-9 Environmental testing - For Vibration, solar radiations	The Fault Passage Indicators shall be suitable for use in the tropical climate condition stipulated in the relevant paragraph. The components used in the Fault Passage Indicators shall be suitably protected from direct sunlight to prevent malfunctioning due to solar radiation. The maximum operating temperature shall not be less than 70° C. The Fault Passage Indicator sensors shall be IP67 Compliant. Tests are according to standards IEC 60255-21-1, IEC 60255-21-2, IEC 60068-2-6, IEC 60068-2-27. Performed tests Vibration Response, Class 1. Vibration Endurance, Class 1. Shock Response, Class 1 . Shock Withstand, Class 1. Bump, Class 1.	Provision of Technical Specification shall prevail
21	6.14	Surge Arrestor	For Offered RMU we have considered 1no. Surge arrestor in Y-PH.(Inside of Metering panel)	Provision of Technical Specification shall prevail
22	9.1	The type test produced by supplier shall be only from reputed NABL accredited testing laboratories such as CPRI from India and KEMA, Volta, KERI, CESI, ERDA etc from remaining part of the globe.	Request you to accept the reports from other accredited lab such as PHELA etc.	Provision of Technical Specification shall prevail
23	GTP (20.0)	Temp rise above ambient: 50 Deg C.	It should be inline with clause 5(20)	Refer Amendment
24	GTP (29.0)	SF6 Tank design: Hermetically/robotically sealed unpainted stainless steel enclosure with SF6 Gas. Sealed pressure system by Laser welding so that no refilling of gas is required for 30 years. No gas work at site. Complete body shall be tamperproof to prevent access to live parts. No gaskets shall be used. No bolts shall be provided	SF6 tank of offered RMU shall be MIG welded and sealed for life. There is no gas filling required for entire life cycle of the switchgear under normal operating condition. Kindly accept the same	Provision of Technical Specification shall prevail

25	NA	Metering	We assume that metering is not required	Meter is not to be provided but metering provision as per specification
26	Clause -37.3 (b) _ Volume -1	Right of way	Understand that Right of way is in scope of Contractor. Request to include the same in Scope of DHBVN and remove from contractor scope as It is difficult for us to do.	Provision of Technical Specification shall prevail
Firm No. 11				
Sr. No.	Clause No.	Stipulation as per Technical Specification	Clarification/Confirmation	Reply of DHBVN
1	<p>2. Qualifying Criteria:-</p> <p>Clause 2.1 Technical Criteria:-</p>	<p>The prospective bidder must be a company registered in India or a public/private limited Indian firm with principal place of business in India and should be a reputed Infrastructure contractor who regularly undertakes electrical turnkey projects and has adequate technical knowledge and practical experience OR an existing Indian power utility/ distribution franchisee who is in the business of transmission / sale of electricity in India</p> <p>The bidder should have carried out during the last 5 years from the date of NIT/ tender publication on website/ in newspapers, on turnkey basis, a project of 11 kV or above voltage level equivalent to the 80% of the estimated cost of the package/bid.</p> <p>During the above said period the prospective bidder should have laid 11 kV or above voltage level cable under the ground, in one or more projects, the length of the cable laid underground to be 50% of the length of HT underground cable given under the package/bid, regardless of the size and type of cable.</p>	<p>Other utilities and Discom's have provision of two/Three Contracts for meeting the aggregate contract value specified to assess bidder's financial capabilities to undertake the quantum of works specified. Hence we are proposing the following PQR which was followed by CPWD and other Smart city projects –</p> <p>At least one single project of power distribution/ transmission network work, having the contract value equal to at least 80% of the estimated cost.</p> <p>OR</p> <p>At least two projects of power distribution/ transmission network work, each having the contract value equal to at least 50% of the estimated cost</p> <p>OR</p> <p>At least three projects of power distribution/ transmission network work, each having the contract value equal to at least 40% of the estimated cost In normal course of execution of such projects the supply portion is of dominant value and as such bidder's qualification for erection portion do not form the pre qualification criteria. However to ensure that the bidder has experience of laying the HT cable we proposed as under –</p> <p>During the above said period the prospective bidder should have laid 11 kV or above voltage level cable under the ground, in one or more projects, the length of the cable laid underground to be 10% of the length of HT underground cable given under the package/bid, regardless of the size and type of cable.</p>	<p>provision of tender document shall prevail</p>
2	<p>2. Qualifying Criteria:-</p> <p>Clause 2.3</p> <p>Joint Venture Criteria :-</p>	Deleted	Joint Venture Option shall increase the participation since consortium can derive synergy owing to technical / Financial capabilities of each partner which is not available to standalone basis. Hence we request you to allow Joint Venture for bidding.	provision of tender document shall prevail
Firm No. 12				
1	<p>Qualifying Criteria</p> <p>Technical</p> <p>2.1-</p>	<p>The bidder should have carried out during the last 5 years from the date of NIT/tender publication on website/ in newspapers, on turnkey basis, a project of 11 KV or above voltage level equivalent to the 80% of the estimated cost of the package/bid</p> <p>During the above said period the prospective bidder should have laid 11KV or above voltage level cable underground, in one or more projects, the length of the cable laid length of HT underground cable given under the package/bid, regardless of the size and type of underground to be 50% of the package/bid length.</p>	<p>Financial Criteria of 80% of the bid estimated cost should be in one or two projects instead of one project. It will be Similar to underground cable length which is required in one or more project. Both the conditions should be similar in nature and there will be more competition for best prices.</p>	<p>provision of tender document shall prevail</p>

2	2.6 (g)- PERT CHART	Pert Chart is to be submitted with bid documents	It should be submitted after the award of work in consultations with concerned Officials of DHBVN	To be submitted in accordance with clause 1.2 subpara 1
3	12.4 Bid Price	Price Variation	There should not be maximum limit for Price variation in positive side and there is no limit in negative side.	provision of tender document shall prevail
4		Taxes	Any change in Tax Structure (As GST will be applicable in future) should be applicable accordingly.	Reply on GST & Taxation shall be provided seperately.
5	GPS/GPR Survey		There is no item in BOQ for GPS/GPR survey as per tender Before carrying out underground work, GPS/GPR survey is must and for such a large quantity for underground cable, huge cost is involved. There is no BOQ item for GPS/GPR survey. In this case bidders will load this amount in their rates and cost increases with no justification. In case of Per Km rate of this item, cost will be minimized. It is suggested to include this BOQ as a ITEM	provision of tender document shall prevail
6	Project Work Survey	Time given is 3 months and in case of delay, there is penalty.	For this one specific officer is to be deputed exclusive for this work only and by this there will be good coordination for doing survey.	provision of tender document shall prevail

Firm No. 13

1	Clause 1. Foot Survey and Network designing of the system	1. Foot Survey and Network designing of the system: (point no 2) "Foot survey and network designing of the system"	In this foot survey means the GPS survey or contractor has to do the manual survey. Can DHBVN provide the existing RAPDRP Part-A, GIS data of existing electrical network.	Foot survey may be carried out manually but GPS coordinates are to be identified of the key items/installations & sites and to be submitted while getting the foot survey approved. Needless to say after completion of project Asset mapping/consumer indexing updation is to be carry out on RAPDRP platform for which the contractor will provide full support. For the reference purpose, the sketches/line diagrams of the proposed network as provided with tender documents shall be utilized.
2	Page No. 12 Clause 1. Foot Survey and Network designing of the system	1. Foot Survey and Network designing of the system: (point no 3) The contractor shall carry out the foot survey within 3 (three) months from the issue of letter of award under the supervision of the Nigam's representatives and shall after conducting the foot survey submit four sets of sketches of the existing and proposed system with proper legends along with the proposed Bill of Quantity viz z viz the work order quantity, PERT chart, methodology – all complete in every respect - for approval by the Nigam. The details regarding the cables type and size, ACSR size, the DTs capacity and type, RMU types, LT	Please confirm that Sketches here means Contractor has to provide the SLD (single line diagram) and route plan of proposed system and SLD of existing system.	provision of tender document shall prevail

Firm No. 14

1			Status of approval of funds for the subject tender: Is it through state or central funding or loans? Earlier tender scrapped for unknown reasons and for proper flow of funds for new tender	Payment shall be regulated as per terms & conditions of Tender documents.
2			Break up of Locations in sector 14, 17, 31, 32, 40, jharsa village and 11 kv feeders along sohna road Scope and EXACT locations transformer wise will provide a quick site visit and any issues anticipated before start of works	Tentative locations are provided in enclosed sketches. Exact location are part of foot survey procedure to be carried out by the trunking contractor
3			Applicability of taxes. Impact of GST	Reply on GST & Taxation shall be provided seperately.
4			Change in QR: Inclusion of 50% of HT Underground cable laying experience as per tender requirements is to be changed as IPDS/cable tenders requirements complies with cable manufacturers It is cleared that HT cable is decreased in scope, this QR favour few bidders as all bidders have experience in laying underground cables in cable trenches to the extent of scope of works executed	provision of tender document shall prevail
5			80% of project cost considered for a single project of 11kv or above voltage level It is Not mentioned of underground cable works and this is contrary to 50% HT underground requirements	provision of tender document shall prevail

6			Type of RMU with or without RTU and FRTU	Only supply of FRTU is not in the scope of Tender, However RMU shall be SCADA compatible and Ready for installation and integration with third party FRTU within the RMU enclosure without any additional work/material i.e wiring etc to use it in plug and play manner.
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Firm No. 15

1	7.1.1	The breaker shall provide class II insulation between the front panel and internal power circuits to avoid any accidental contact with the live main current carrying path with the front cover open.	The applicable standard for Low Voltage Switchgear IEC 60947-I & II doesn't specify / require Class-II Insulation. Hence need to be removed.	Refer Amendment
2	7.1.2	The circuit breaker shall have indication of mechanical wear of contacts enabling visible indication of contact life.	There are different ways and means of ascertaining the mechanical wear of contacts including 1. Thru Measurement of contact resistance in "ON" condition 2. Thru Measurement of On /OFF Cycles for which a mechanical counter is more than sufficient Hence Manufacturers should be given the option to choose any one of the above method.	Refer Amendment
3	7.1.5	The bar graph on ACB to show percentage loading of the breaker to be available. On line setting of the parameters should be possible.	We request to accept the display of instant values of Current along with the % Bar Graph Indication.	Refer Amendment
4	7.1.5	The setting of the ACB should be possible digitally (also Navigation Keys) or with dial type potentiometer setting with the help of screwdriver.	ACB release required are "Microprocessor based Type" which can be set thru Navigation Keys easily. Dial Type Potential meter with Navigation Key settings are patented design of a particular manufacturer and need to be eliminated to have health comparison on common platform.	Provision of Technical Specification shall prevail
5	7.2.1	The circuit breaker shall provide class II insulation between the front cover and internal power circuits to avoid any accidental contact with the live main current carrying path with the front cover open.	The applicable standard for Low Voltage Switchgear IEC 60947-I & II doesn't specify / require Class-II Insulation. Hence need to be removed.	Refer Amendment
6	7.2.3	MCCB should be of cross bolted termination for cable connections to with stand higher thermodynamic stress.	Specific to a particular manufacturer and doesn't have any major significance. Hence need to be removed. Moreover IEC 60947-I & II doesn't specify these type of termination.	Refer Amendment
7	8.1	The manufacture shall provide the communication test report ACB/MCCB status and the same shall be got verified by him at site after installation. The acceptance test will also be done by the buyer representative at manufacture premises in accordance with the relevant standard.	As per clause No 7.2.2 (Constructional Features of MCCB) – the requirement is for MCCB with Thermal Release. Hence, Modbus communication can't be provided with thermal magnetic release. However, Status ON or OFF status can be provided thru potential free contacts. Hence, we hereby request to remove the communication parameters for MCCBs.	Refer Amendment

Firm No. 16

1	7.1.5 Protection Release	The release should have LCD/LED display phase currents and voltages (running, average & max) parameters the bar graphs to show percentage loading of the breaker to be available	Specifications calls for bar graphs to show percentage loading of the breaker which is not accurate data hence only rough idea about loading. Request your approval to get the same amended to "For accurate readings, the microprocessor release should display the loading of individual phases in absolute percentage" not bar graph.	Refer Amendment
2	Thermal Magnetic Release: - 7.2.2. Sr. No. 14	Thermal Protection adjustable up to 630 A	The statement is incomplete it should be Thermal and Magnetic Protections shall be adjustable.	Refer Amendment

Firm No. 17				
1	2.1-Technical Criteria	The bidder should have carried out during the last 5 years from the date of NIT, on turnkey basis, a project of 11 KV or above voltage level equivalent to the 80% of the estimated cost of the package bid.	The bidder should have carried out during the last 5 years from the date of NIT, on turnkey basis, projects of 11 KV or above voltage level equivalent to the 80% of the estimated cost of the package bid .There are very limited cable projects of the given size on "Turnkey" basis hence such clause will restrict fair competition and thus result in higher prices to user.	provisio of tender docment shall prevail
2	2.1-Technical Criteria	During the above said period the prospective bidder should have laid 11 KV or above voltage level cable under the ground ,in one or more projects ,the length of the cable laid underground to be 50% of the length of under the ground, in one or more projects, the length of the cable laid underground to be 50% of the length of HT underground cable given under the package /bid, regardless of the size and type of cable.	During the above said period the prospective bidder should have laid 11 KV or above voltage level cable under the ground ,in one or more projects , the length of the cable laid underground to be 25% of the length of HT ground, in one or more projects, the length of the cable laid underground to be 25% of the length of HT underground cable given under the package/bid, regardless of the size and type of cable. Large cable buyers eg. State Transco ,Public/Private Discoms ,award turnkey contracts for 66KV and above voltage cables only .Most of the 11 KV contracts for supply does not include for 66 KV and above voltage cables only. Most of the 11 KV contracts for supply does not include laying as part of scope. .The quantities are not very large (<10 Kms) in most66 KV turnkey jobs. .Thus it will restrict the participation of manufacturers of cables, who normally execute supply orders of 11 cables.	provision of tender docment shall prevail
3	2.1-Qualifying Requirement for suppliers: HT Cables	The OEM should have successfully completed the supply in India of 500 Km of 400 mm2 or higher size 11 KV or above voltage level XLPE cable during the preceding completed financial year for which the satisfactory supply completion certificate shall be provided.	The OEM should have successfully completed the supply in India of 500 Km of 400 mm2 or higher size 11 KV or above voltage level XLPE cable during the Last three completed financial year for which the satisfactory supply completion certificate shall be provided. .The period for meeting qualifying criteria is 3 years for OEM of all other key components I.e RMU,s Transformers, OFC thus same shall be maintained for HT cables. .400 sq mm conductor is an uncommon size in the industry ,even DHBVN has not used this before, thus 500 Km supply record of 400 or higher size in just one year "duration" will be difficult to fulfill for most OEMs.	provision of tender docment shall prevail
Firm No. 18				
1	Cl. No 15, Section 1. Vol.1, ITB.	Earnest Money Deposit.	Please let us know the Stamp Paper value on which the Earnest Money Deposit Bank Guarantee need to be Prepared.	As per Government rules.
2	Cl. No. 14 Section 1. Vol.1, ITB.	Taxes and duties.	We understand that in case of Bought-out materials all the Taxes, Duties, levis shall be included in the bidder's Quoted price including Sales tax and service tax on Erection portion. The tender is silent on the situation of introduction of any new tax. In view of GST being rolled out from 01-07-2017, we request you to confirm whether the impact due to introduction of GST will be reimbursed at actuals for both direct and bought items.	Reply on GST & Taxation shall be provided seperately.
3	Cl. No. 29 Section III. Vol.1, CONDITIONS OF CONTRACT.	Taking Over.	Kindly clarify, whether taking over of work will be done phase wise or after We request you to allow Taking over of the work in phase wise manner.	provision of tender docment shall prevail

4	Cl. No. 29 Section 1. Vol.1, ITB.	Warranty.	We have noted that warranty/guarantee period has been specified as 12 months or as specified in technical specifications of respective equipments/materials. In Case of Phase Wise Taking over Whether the Warranty of Equipments shall be 12	provision of tender document shall prevail
5	Cl. No. 33 Section 1. Vol.1, ITB.	Terms of Payment.	Looking at the large value of the project and payment term interlinked with the 1. Interest free mobilization advance @ 10% of total contract value against 2. 10% Retention may be released against submission of bank guarantee on Phase wise taking over. This retention BG shall be valid till the completion and	provision of tender document shall prevail
6	Cl. No 37.2, Section III. Vol.1, Risk and Responsibility	Employer's Risks Under all circumstance	Kindly confirm, any ROW issues arising during the course of project shall be resolved by DHBVNL and the same is not in Contractor's Scope please confirm.	provision of tender document shall prevail
7	----	Approved Vendors List.	Please provide the list of approved vendors for the various equipments.	May be obtain from Nigam website
8	----	Price Variation Indices.	We understand that the Price Adjustments For Cables & Distribution Transformers shall be governed by the following IEEMA Circulars/Indices and formulas as mentioned. a. For Cables: 309/DIV/CAB/05 dated 07/12/2006. b. For DTR: 127/DIV/TRF/05 dated 04/08/2015. Please confirm the base dates for price variation calculations. Also we request you to allow price variation on other major items such as RMU / Pillar boxes / DB's etc.	provision of tender document shall prevail
9	----	----	We understand that the subject tender is to be submitted electronically (e-tender). Kindly confirm the list of documents which are required to be submitted in hard copy. As per standard practise, only the key documents such as Tender Fee, Earnest Money, Power of Attorney of Bid signatory. Any Affidavits/Declarations are submitted in hard copies. All other documents including Bidding forms, Formats of Tender Specifications which are part of Techno-commercial Bid. Qualification Documents etc. are uploaded to e-procurement portal in Soft Copy (Scanned) format. Please confirm.	provision of tender document shall prevail
10	----	----	Looking at the enormous amount of work involved, we feel that it will not be possible for us to prepare a competitive techno-commercial offer within the existing due date. We request you to kindly provide a suitable time extension of	Refer Corrigendum-I
Firm No. 19				
1	Specification No. CSC-117/ R-1/DH/ UH/P&D/2016-17 TECHNICAL SPECIFICATIONS FOR 11 KV RING MAIN UNITS (RMU) With inbuilt FPI & FRTU Clause number : 4-Climate condition		Our RMU is designed at +40 deg C ; however RMU shall be operational upto +50 deg C with derating 579A	Provision of technical specification shall prevail.
2	Clause number : 5-GTP	Internal Arc Test-ABFLR 20 KA for 1 sec	Internal Arc Test-AFL 20 KA for 1 sec. Internal Arc test shall be IAC-A only. For Outdoor RMUs, the practical vicinity available to general public shall be restricted vide usage of fencing around the RMUs, which is as per general practice	Refer Amendment

Discussion regarding IS
16444

S.N.	Manufacturer	Sample submitted or not	Lab
1	Landis and Gyr	No	
2	HPL	Yes	ERDA
3	L&T	Yes	ERDA
4	Capital	No	
5	El swedy	No	
6	Adya wifi	Yes	CPRI Banglore
7	Genus	Yes	ERDA
8	JNJ	No	

Month of submission	Type test completed or not	reason
	No	Waiting for NABL as per amendment
Feb;2017	No	
March;2017	No	
	No	
	No	
Jan'2017	No	
Feb;2017	No	
	No	
	No	