

**Point wise replies to the queries raised against BYPL tender vide
NIT NO CMC/BY/19-20/RB/SV/60**

S. NO.	EXISTING CLAUSE	CLARIFICATION/ CONFIRMATION REQUIRED	BYPL Reply
1	Supply BOQ	As per Supply BOQ Item No. 24 Link Box, single/three phase not defined. Similarly, Link Box with SVL not given. Please specified separate line items for the following 1. Single phase link box with SVL 2. Single phase link box without SVL 3. 3 Ph link box with SVL 4. 3Ph link box without SVL Separate earthing arrangement shall also be specified as a separate line items.	Refer revised BOQ
2	Supply BOQ	Sheath bonding cable has not been specified. Please specify the size and qty. Propose size shall be 3.3 kV 1Cx150 sqmm Cu Cable	Refer revised BOQ, Required cable size shall be 3.3 kV XLPE insulated 1Cx300 sq mm
3	Supply BOQ	As per Supply BOQ Item No. 16, HDPE type is 200mm PN-6 PE 80. However, as per services BOQ Item No.9, it is PN 4 PE 80 class. Please specify the current requirement.	Refer revised BOQ
4		Also based on our prior experience, there has been requirement of PN6 PE 63 200mm. Please add item in supply & services.	PE 80 PN 6 Pipe shall be used instead; Refer revised BOQ
5	Technical Specification FOR 66kV 3-CORE CABLE, Clause No. 3.14. Balance fillers including centre fillers used in 3-Core cables shall be of PP Fillers grade along with sufficient water blocking tape to make it water tight construction.	Water Blocking Yarns shall be provided along with PP fillers. Water Penetration Test will be applicable on individual cores only.	Confirmed
6	Technical Specification FOR 66kV 3-CORE CABLE, Clause No. 3.19. Semiconducting layer coating shall be provided over the outer sheath	Kindly confirm whether extruded semiconducting layer is required, or graphite coating is sufficient over outer sheath.	Only semi conducting Layer shall be accepted
7	Technical Specification FOR 66kV 3-CORE CABLE, Clause No. 3.21. ISI mark to be provided in embossing on outer sheath	ISI mark will not be provided as Three Core cables are not covered in IS 7098 Part-3	OK, Noted
8	Technical Specification	Specifications for 66Kv, 1Cx1000 sq.mm & 66Kv,1Cx630 sq.mm cables are not provided in tender documents. Kindly provide the same.	Attached in corrigendum
9	Please confirm whether Optic Fibres cable (OFC) is required in case of 3 core 66 kV cable. If yes please provide details of same.		OFC cable shall be laid separately in 40 mm HDPE PLB duct in Wazirabad to Bhagirathi circuits. 24 F Single Mode OFC cable and HDPE duct are included in revised BOQ
10	Clause 3.12 – Core identification by coloured strip, applied longitudinally under the copper tape, should also be allowed.		We confirm that core identification coloured strips shall be applied helically / longitudinally under the copper tape
11	Clause 3.14 (Fillers) – This clause specified that all the three core cables shall be laid up with PP fillers and sufficient water blocking yarn to make it water tight construction. Please note that being three core cables, adding few water blocking yarns with PP fillers in interstices will not serve any purpose in water blocking through core interstices. However, we would request you to kindly advise the number of water blocking yarns to be provided with PP fillers to make water tight construction.		Water Tightness test is applicable for individual cores only. However it is required to provide water blocking yarns between interstices to restrict the flow of water along the cable length. No of yarns shall be decided during detailed engineering.
12	Clause 4.6 (Acceptance Test - Void and contamination) – Please note that Void and contaminations test has been deleted from IS: 7098-Part 3, hence this tests shall not be applicable.		Tests as per applicable standards with latest amendments shall be carried
13	66 kV single core 630 sq.mm and 1000sq.mm cable size is not enclosed with tender documents. So please arrange technical specification of cable for further proceed.		Attached in corrigendum
14	Please also confirm shape of conductor for 1000sq.mm i.e. compacted circular or Milliken conductor.		Compacted circular
15	Please confirm whether Optic Fibres cable (OFC) is required in case of 3 core 33 kV cable. If yes please provide details of same.		OFC cable is not required in 3 Core 33 kV cable
16	Clause 4.0.0 (e) Acceptance Test – Requires Void and contamination test and Wafer Boil Test – Please note that these two test has been deleted from IS: 7098-Part 2 , hence this tests shall not be applicable.		Tests as per applicable standards with latest amendments shall be carried

17	Clause 4.0.0 (e) Acceptance Test – Requires Water Penetration Test (WPT) - Please note that in three core cable Water Penetration test shall be conducted in core only ,not on cable . Kindly confirm .	Confirmed
18	Clause 2.1.12 Outer sheath : This clause specifies Outer Sheath shall be FRLS-type, if chosen by purchaser Kindly confirm whether purchaser requires Normal PVC Type ST2 outer sheath or FRLSH PVC Type ST2 outer sheath .	Non FRLSH type, Normal PVC Type ST2 shall be required
19	Price Schedule -Supply-Sr-19 & Price Schedule-Services -Sr No-9 - Please clarify that the 200 MM HDPE Pipe PE-80 PN-4 or 6 shall be used.	Refer revised BOQ
20	Please provide the specification of sheath Bonding Cable.	3.3 kV 1Cx300 Sq mm XLPE insulated Copper conductor
21	Please provide the Google Earth drawing for the above projects.	Site visit was carried during prebid meeting
22	Due date Extension-Please extend the Due date by 15 Days from current due date.	-
23	CL.3.2	Aluminium Conductor shall be of H4 grade instead of H2 grade. H2 grade is for semi annealed grade of conductor. Since conductor is intended to be water sealed by use of water swellable tapes in the conductor, the annealed process (Heat treatment of conductor) will damage the water swellable tapes and resulting into failure to meet longitudinal water penetration test.
24	Cl.3.17	It specifies diameter of armour wire as min 4.0 mm. However as per S.No. 32(a) of Annexure B, it is Nom 4.0 mm. Please review and confirm armour wire dia Nom. 4.0 mm
25	Cl.3.1.6 & C. 4.6	Carbon black content is intended for outer PE sheath. It is superfluous for inner sheath. Please review it's requirement for inner sheath.
26	Cl.3.21	Cable has been called with ISI marking. Hence testing should be as per IS 7098 Part 3/93 wherever it has been specifies as per IEC 60840 in the specification
27	Cl.4.6	(i) Void & Contamination test has been deleted from Is 7098 Part 3/93. Hence we request you to waive this test from list of special acceptance tests.
		(ii)Abrasion resistance test also comes under category of test which are not required to be repeated on multiple sample. Hence we request you to specify it's frequency one sample per contract.
		(iii) Longitudinal water lightness test- It should be applicable on core only to ensure conductor is water sealed.
28	Technical specification for single Core 66kV cable is not available.	Attached in corrigendum
29	Please clarify the HDPE pipe grade requirement PN6 / PN4	Refer revised BOQ
30	Line item for Laying/placing in RCC Trench (casted by DMRC) is not mentioned.	Refer revised BOQ
31	Laying/Placing arrangement in RCC Trench/cable duct (casted by DMRC) need to be clarify	Cable shall be laid on cable support structure.
32	Specification of Clamps trefoil/single.	For 66 kV single core cables- trefoil cleats For 66 & 33 kV Three core cables - Single cable cleats Material of Cleat - HDPE or Stainless Steel, Mounting hardware's - Stainless steel
33	For cross bonding arrangement, Three phase link box are not considered in BOQ.	Refer revised BOQ
34	Specification of Sheath bonding cable	Refer revised BOQ
35	Type of earthing is not specified	Refer revised BOQ
36	Please provide the technical Specification for below size XLPE cable as these are not in the tender	
i	66 kV 1Cx630 – 32.1 Kms.	Quantity of cable is revised. Technical Specification is uploaded in corrigendum
ii	66 kV 1Cx1000 – 24.0 Kms.	Technical Specification is uploaded in corrigendum
iii	66 kV 3Cx400 – 3.6 Kms.	3.6 Km is the quantity of cable required for 33 kV 3Cx400 sq mm cable. Its specification is already uploaded with the tender document