



**Response to Pre-Bid Queries**  
**Tender Enquiry No. TPNODL/OT/2021-22/165 Dtd.04/02/2022**  
**Tender Description: Supply of Distribution Boxes and KIT KAT Fuses**

The pre-bid queries as received against the referred tender enquiry and TPNODL's responses on the same are placed below:

S. No.	Tender Reference	Bidder's Pre-Bid Query	TPNODL's Response
01.	<b>Document No. ENG-LV-032</b> Drawing of KITKAT is not available	Drawing of KITKAT with KITKAT Mounting Hole dimension required	Will be provided on or before 6 <sup>th</sup> April 2022.
02.	<b>Document No. ENG-LV-032</b> Clause No. 5.1, First Paragraph Degree of Protection IP 55 required	In IP-55, Louvers are not required	Louvers required. Degree of Protection IP- 33 required.
03.	<b>Document No. ENG-LV-032</b> Clause No. 5.1, First Paragraph  The enclosure shall be provided with extended insulated Aluminium links for tapping off multiple outgoing connections, designed for use on 230V, 1 Phase and 415V, 3 Phase 4 Wire, 50Hz supply system	Please provide the no. of outgoing connection for 1 phase and three phase.	For number of outgoing connection please refer the <b>table in clause no. 5.2</b>
04.	<b>Document No. ENG-LV-032</b> Clause No. 5.1, Last Paragraph  2 set of Louvers of suitable size shall be provided. The louvers shall be provided such that heat dissipation is proper. The perforated sheet of 20SWG with 2.5mm holes shall be welded from inside of the louvers	In clause no. 5.1 First Paragraph IP-55 is required but as per this clause IP-33 required. So, kindly clarify the Degree of protection IP-55 or IP-33.	Louvers required. Degree of Protection IP- 33 required
05.	<b>Document No. ENG-LV-033</b> Clause No. 5.1, First Paragraph  Degree of Protection IP 66 required	IP-55 is sufficient for Degree of Protection of Metallic Enclosure	Louvers required. Degree of Protection IP- 33 required.



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06	<b>Document No. ENG-LV-033</b> Clause No. 5.1, Last Paragraph  2 set of Louvers of suitable size shall be provided. The louvers shall be provided such that heat dissipation is proper. The perforated sheet of 20SWG with 2.5mm holes shall be welded from inside of the louvers	In clause no. 5.1 First Paragraph IP-55 is required but as per this clause IP-33 required. So, kindly clarify the Degree of protection IP-55 or IP-33	Louvers required. Degree of Protection IP- 33 required
<b>Document No. ENG-LV-036</b>			
07	Clause No. 5.3, First Paragraph  Size of Incoming Feeder dropper & Bus Bar for 100KVA LTDB will be 25x8mm cross section	For 100 KVA Transformer Bus Bar should be 40x10mm cross section is required, Also in Incoming Circuit you are using 400A TP MCCB, 40x10mm Al Busbar is required for 400A MCCB	The bus bar Size for 100 KVA LTDB shall be <b>50X8</b> mm
08	Clause No. 5.4, First Paragraph  The LT Distribution box cabinet means for installation in the DP structure Plinth mounted/Pole mounted.	Please clarify the boxes shall be Plinth Mounted or Pole Mounted	Boxes shall be Pole mounted.
09	Clause No. 5.4, Last Paragraph 4 set of Louvers of suitable size shall be provided. The louvers shall be provided such that heat dissipation is proper. The perforated sheet of 20SWG with 2.5mm holes shall be welded from inside of the louvers	In clause no. 5.4 First Paragraph IP-55 is required but as per this clause IP-33 required. So, kindly clarify the Degree of protection IP-55 or IP-33.	Louvers required. Degree of Protection IP- 33 required.



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10	GTP Material of LTDB Box- GI Sheet	Please clarify CRCA MS Sheet or GI Sheet	Enclosure shall be made of <b>CRCA MS sheet</b> for all the TS including <b>ENG-LV-036</b>
11	GTP Thickness of Box, Load Bearing Size-3mm & Non Load Bearing Size-2mm	As per Clause no. 5.4, 2mm Metal Sheet is required for the box only.	2 mm MS sheet required
12	Technical Specification of KitKat Fuse Doc. No. ENG-LV-012, Page No. 10 of 15, Clause No. 13 (Tender Sample)  Bidder shall submit the sample of material with the technical bid. Tenders received without sample are liable for rejection.	In this tender 4th type of technical specification, in Doc. No. ENG-LV-012 & ENG-LV-036 sample required along with tender & in other not required. Please clarify that whether tender sample required or not, further it is not possible to submit the sample in such short time period.	
13	Technical Specification of DISTRIBUTION BOX FOR 100A /200A /300A/400A/500A KITKAT FUSE, Doc. No. ENG-LV-032, Page No. 10 of 13, Clause No. 13 (Tender Sample) Not applicable.	In technical specification (Doc. No. ENG-LV-036) mention the Bidder shall submit the sample of material with the offer (in case of first supply to TPNODL) therefore.	Ok. After getting the approved GTP and Drawing from TPNODL one number sample need to be submitted at our Central store, Balasore for inspection before proceeding for full lot manufacturing.
14	Technical Specification of DISTRIBUTION BOX WITH KITKAT FUSE FOR DTR UPTO 63 KVA, Doc. No. ENG-LV-033,		<b>Note-The above point is applicable for all type of LTDB boxes.</b>



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	Page No. 10 of 13, Clause No. 13 (Tender Sample) Not applicable.											
15	Technical Specification of DISTRIBUTION BOX WITH KITKAT FUSE FOR DTR UPTO 63 KVA, Doc. No. ENG-LV-036, Page No. 08 of 15, Clause No. 13 (Tender Sample) Bidder shall submit the sample of material with the offer (in case of first supply to TPNODL).											
16	Clause No:5.4 Description of Enclosure	In view of higher length of Panel- Modular construction (multiple doors) is suggested from manufacturing & operational point of view	We required double door arrangement.									
17	Clause No:7 Type test	Please confirm Type test reports as per IEC 60439 / 61439 are required for panel or not. Icw value is not defined for panel in tender document	<p><b>Following type test required for Enclosure</b></p> <ul style="list-style-type: none"><li>i- Temperature rise test</li><li>ii- Dielectric Properties test</li><li>iii- Degree of Protection of Enclosure</li></ul> <p><b>For Short circuit breaking capacity please refer the below table</b></p> <table border="1"><thead><tr><th>Description</th><th>For 100 KVA</th><th>For 200 kVA</th></tr></thead><tbody><tr><td>Icu</td><td>25 KA</td><td>36 kA</td></tr><tr><td>Ics</td><td>100% of Icu</td><td>100% of Icu</td></tr></tbody></table>	Description	For 100 KVA	For 200 kVA	Icu	25 KA	36 kA	Ics	100% of Icu	100% of Icu
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			<b>Icw value need to be furnished by Bidder.</b>
18	Clause No: 19.27      GTP - Make of MCCB	Havells name to be approved	OK
19	Clause No :19.28      GTP - Make of KitKat Fuses	Havells name to be approved	OK

**Note: - This document shall form an integral part of tender and should be submitted along with the tender document.**