

		<b>COMMENT RESOLUTION SHEET</b>	
<b>Doc No.</b>	GE-100	<b>Review Status:</b> 3 (Approved with Comments)	
<b>Doc.:</b>	RADIOLOGY EQUIPMENT IMPOSED ON IPD LAYOUT	<b>Reference Letters:</b> TANIT□ FOMEX□ FMX-SOH-T23T-013, FOMEX, 14 November 2023	
<b>Item</b>	<b>Engineer comments</b> <b>10-Jan-2024</b>	<b>Fomex's response</b> <b>13-Jan-2024</b>	<b>Engineer comments</b>
	<b>Document title:</b> RADIOLOGY EQUIPMENT IMPOSED ON IPD LAYOUT		
	Kindly peruse the MOM below, for 10th January 2024		
<b>COMMENTS ON MRI SCAN</b>			
1	Cable sizes from electrical room to technical was identified to be 70mm but should be calculated along with voltage drop ratio to ascertain the accurate cable size. NB: Cables within the technical room system should be 50mm.	Noted and incorporated. Please refer to the cable schedule showing that cable sizes are revised from 70 mm to 95 mm.	
2	Exhaust Fan Switch should be removed from the current position of the drawing and sourced from the MCCB side.	Noted and incorporated.	
3	2 pieces of Single-Phase System should be created at the MCCB Area / 4 – way Panel. One will be dedicated for the Inspector Tool and the other for any Single Phase Device	Noted and incorporated.	
4	There should spares for all the MCCB breakers	Noted and incorporated.	
5	Cable size of 10mm and 16mm of at least 20m length each should be provided for the Compressor and outdoor Chiller side respectively.	Noted and incorporated.	
6	Water Chiller should be repositioned to a more appropriate area.- Refer to Note G- Concrete Plinth adjacent externals of MRI Technical Room / CT Room west of IPD	To be checked during the next site visit.	
7	Caution: Nothing should be done in the MRI Room until the cage is installed.	Noted. Will be implemented during the construction phase.	
8	Cable Tray (Main Feed) should be positioned close to the UPS	Noted and incorporated.	
9	RJ45 Sockets / Internet Sockets should be provided on each side of the walls to facilitate the installation of the Inspector Tool.	Noted and incorporated.	
10	Position of the MDP and MCCB should be determined	Noted and incorporated.	
11	Customer affirmed that, the Isolation and Protection System for the MRI space is not a problem, although concerns of electrical surges were raised by Efosa regarding the long length of the cable. (Explore Options of interspaced Breakers for further assurance of protection)	Earth pit was already provided for protection of the system. There should be no concern regarding the long length of the cable.	
12	There is no HVAC system on the drawing. HVAC drawing should be shared.	M/S TANIT to please share FOMEX transmittal "FMX-SOH-T24T-044-HVAC Layout Drawing and Equipment Schedule" with GE.	
13	Water Scaffold should be positioned close to the outdoor Chiller.	To be implemented by the civil department.	

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Item	Engineer comments 10-Jan-2024	Fomex's response 13-Jan-2024	Engineer comments
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COMMENTS ON CT SCAN			
1	More than 3 pieces of RJ45 Sockets / Internet Sockets should be provided	Noted and incorporated.	
2	Position for the MDP should be determined.	Noted. MDP located in the technical room.	
3	Inspector Tool should be close to the MDP and it's important to have RJ45 Socket / Internet Socket closer, to facilitate the installation of the Inspector Tool.	Noted and incorporated.	
4	Electrical sockets should be provided on the sides of the wall and should be close.	Noted and incorporated.	
5	Minimum Height of Room shall be 2.4m.	To be implemented by the civil department.	
6	Cable sizes not stated and Prince should be following up on all dimensions of cable	Noted & incorporated in the riser diagram	
COMMENTS ON X-RAY SCAN			
1	X – Ray main power feed should go to the Technical Room. Technical Room should be identified	Noted & incorporated. Please refer to the dedicated room, in the layout drawing, for the technical room.	
2	Same provisions for the CT should be made for the X – Ray in the case of 2 Gear Switches, MDP, Inspector Tool, RJ45 and Electrical Sockets	Noted and incorporated.	
COMMENTS ON MAMMO & ULTRASOUND			
1	Earth – Neutral Bonding is required for both Mammo and Ultrasound	Noted and incorporated.	
2	10 – 16mm cable is good for Mammo and less than 10mm is good for Ultrasound	Noted and incorporated.	
3	Electrical Sockets should be on the walls of the Mammo Space	Noted and incorporated.	
COMMENTS ON EARTH PIT			
1	One very good earth pit could suffice for all the DI Equipment (ie. MRI, CT, X-Ray etc.)	M/S TANIT to please share FOMEX transmittal "FMX-SOH-T24T-041-Lightning and Grounding Layout Drawings" with GE. Grounding drawing has been revised based on the previous comments of GE/ TANIT.	
2	For the Single – Phase, a very good Earth – Neutral Bonding should be done	Noted and incorporated in the grounding layout drawing.	
This is for your consideration for implementation.			