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ANNEXURE-6 TO PY55294

FEEDER LIST FOR 33kV GAS INSULATED SWITCHGEAR

PROJECT	75MW VISAKH REFINERY MODERNIZATION PROJECT (VRMP)
CUSTOMER	M/S HINDUSTAN PETROLEUM CORPORATION LIMITED,VIZAG,A.P
CONSULTANT	ENGINEERS INDIA LIMITED

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33kV GAS INSULATED SWITCHGEAR FEEDER LIST

Sl.No	Panel Description	Feeder Type	Rating(A)	Bus-A	Bus-B	Cable
1	Incomer – 1 Panel with line PT	VCB	2500A	1	-	5RX1CX630 sq.mm/Ph, Cu. 33kV(E)
2	Incomer – 2 Panel with line PT	VCB	2500A	-	1	5RX1CX630 sq.mm/Ph, Cu. 33kV(E)
3	Bus PT-1			1	-	Refer Note-2
4	Bus PT-2			-	1	
5	Bus coupler Panel	VCB	2500A	1		-
6	Spare Transformer feeder	VCB	1250A	2	1	2RX1CX630 sq.mm/Ph, , Cu. 33kV(E)
7	Spare Plant feeder	VCB	1250A	2	2	2RX1CX630 sq.mm/Ph, , Cu. 33kV(E) -
8	Transformer feeder to 25MVA to feed SWGR-200 Existing	VCB	630A	1	1	1RX1CX500 sq.mm/Ph, , Cu. 33kV(E)
9	Plant Feeder to Existing SWGR-270	VCB	1250A	1	1	2RX1CX500 sq.mm/Ph, , Cu. 33kV(E)
10	Plant feeder to 71-HV-111	VCB	1250A	-	1	2RX1CX630 sq.mm/Ph, , Cu. 33kV(E)
11	Dummy Panels			2		

NOTES:

- Feeder Types: VCB – Vacuum Circuit Breaker.
- All the above feeders shall be in separate panels. In case, Bus PT panels are part of any other panels as per type tested design of OEM and same may be accepted, however, subject to acceptance of end user.
- Plug & socket type termination kits to be provided as per given HT cable sizes, cable glands and lugs shall be provided for LT power cable, control and signal cables as applicable.
- This document is intended to provide the details of Incoming, Outgoing feeders, PTs only. For the aforementioned items, the contents of this document shall hold valid over any other corresponding detail mentioned elsewhere. However, items such as Fitments of each feeder and Switchboard components including Meters, Relays etc. are not mentioned in this document. All these items shall be provided in line with SLD and technical specifications of Switchboard (PY55294 and annexures).