

**Name of Work** : Effluent Treatment Plant (ETP) for Panipat Refinery Expansion Project (P25) of M/s Indian Oil Corporation Limited (IOCL), India  
**Bidding Document**: SG/B269-487-PC-T-8702/1018

### PRE-BID QUERIES LOT-5

SL. No.	REFERENCE OF ENQUIRY DOCUMENT				BIDDER'S QUERY	EIL/IOCL REPLY	Bidder's further query	EIL/IOCL REPLY
	PART/VOL.	PAGE NO.	CLAUSE NO.	SUBJECT				
1	Engineering Design Basis (Instrumentation) Doc. No. B269-999-16-51-EDB-1001 Rev.2	1446 /533 5	4.5.4		<p>It is indicated under this clause that "In general ball type valves shall be used for shutdown unless any other type specifically required for the application. For line sizes 20" and above triple offset butterfly valves with double flange design shall be used.</p> <p>1. Kindly note that Detailed P&amp;ID is provided in tender documents indicating type of On-Off valves as per EIL process requirement.</p> <p>From above we understand that the type of valve Ball/Butterfly shall be followed as per tender P&amp;ID.</p> <p><b>Kindly confirm</b></p> <p>2. The On- Off valve shall have following specifications.</p> <p>Ball Valve type</p> <p>(a) Body &amp; Flange rating – 300# Min or as per relevant pipe class whichever is higher.</p> <p>(b) Body Material as per relevant pipe class.</p> <p>(c) Ball material – SS316</p> <p>(d) Seat Material – PTFE</p> <p>Butterfly Valve type</p> <p>(a) Body rating – 300# Min or as per relevant pipe</p>	<p>Sr. No. 1 &amp; 2: For Ball &amp; Butterfly valve follow MR requirement.</p> <p>S. No. 3</p> <p>Refer Notes in P &amp; ID B269-487-17-44-1111 attached with TA-02</p>	<p>In the referred P &amp; ID following is indicated in Note no. 33</p> <p>"For Auto On Off valves EDB B260-999-16-51-EDB-1001 shall be followed."</p> <p>In EDB B260-999-16-51-EDB-1001 clause no. 4.5.4 "On Off valves" specifies use of Ball valves for shutdown valves.</p> <p>We would like to submit that on off valves used in ETP in refineries are process isolation valves and NOT shutdown valves. Therefore in all EIL's ETP projects On Off Ball valves are used only upto 4" size and for sizes above 4", Double eccentric Butterfly valves with lugged end design are used.</p>	<p>For on-off application Ball valve shall be used for size upto 20",</p>

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					<p>class whichever is higher</p> <p>(b) End Connection – Lugged</p> <p>(c) Design --- Double Offset design</p> <p>(d) Body material – as per relevant pipe class</p> <p>(e) Disc Material – SS316</p> <p>(f) Seat Material – PTFE</p> <p><b>Kindly confirm.</b></p> <p><b>3.</b> Further we would like to inform that in P &amp; ID at some places On Off valve type has been depicted as Gate valve. However since On Off valves are mainly available as either Ball or Butterfly valve, for places where On - Off Gate valve has been depicted, we will consider On Off Butterfly valve with above specifications.</p> <p><b>Kindly confirm</b></p>		<p>We request you to review the above and kindly allow us use of Double eccentric lugged end design butterfly valves for size 6” and above</p>	