



OPTIMUM ENGINEERING SERVICES

REFINERY PROJECTS LIST

S. No.	Client	Description
1	Pakistan Refinery Limited.	Study of existing Pumps 1304-J & 1302-J with Fuel Oil Piping Fit-For-Purpose At PRL Korangi.
2	Attock Refinery Ltd.	Design of fixed water spray system for Pumps / Compressors at Attock Refinery Ltd.
3	Pakistan Refinery Limited.	Study and design vetting of steel structures (JP-1 Gantry, Fire Station & Foam Tank Sheds) at Korangi & Keamari.
4	Pakistan Refinery Limited.	Study and detailed engineering services for Tank-9 local crude decanting and validation of Tank design for the new service.
5	Pakistan Refinery Limited.	Design Study for Anchor Bolts of Flare Stack 3101-B, Boiler-1 & 2 Stack and Boiler-3 Stack.
6	Pakistan Refinery Limited.	Tank-23 Design Study for NMA Service including Tank design check and hydraulic analysis of Pumps' Suction & Discharge Lines.
7	Pakistan Refinery Limited.	Engineering Services for Re-routing of JP-1 Pipeline through HDD.
8	Attock Refinery Ltd.	Design of Foundation for new FFO Tank (60' Dia. & 3673 KL Capacity) at Attock Refinery Ltd.
9	Pakistan Refinery Limited.	Design of Shed over Raw Water Pumps.
10	Pakistan Refinery Limited.	Existing HP Steam Line Design Study
11	Penspen International Ltd.	Preparation Of Isometrics For Ruwais Refinery West (RRW) Area - Crude Receiving Facilities At Jebel Dhanna Project.
12	Attock Refinery Limited.	Design of 100' Dia. x 10,000 KL Capacity External Floating Roof / Fixed Roof Tanks for PMG / HSD Services.
13	Attock Refinery Limited.	Design of Cooling Water System for Crude Oil Tank No. TK-4A.
14	Pakistan Refinery Limited.	Heat Flux Modelling & Installation of water sprinklers on LPG Weathering Unit vessels.
15	Pakistan Refinery Limited.	Development of Piping Specifications for LPG System at PRL.
16	Pakistan Refinery Limited.	Design of Decanting Shed with Fall Arrest System
17	Pakistan Refinery Limited.	Installation Of 108-FN Vessel (LPG Vapourizer) and associated Civil, Piping and Instrumentation Works.
18	Pakistan Refinery Limited.	Thermal Relief Valve System Study at Tank-06, 52 and 59.
	Pakistan Refinery Limited.	Analysis for laying of GRE Firewater line at warehouse/ office building and in front of lab/ block-2. Stress Analysis, preparation of piping layout & details, supports & thrust block details.
19	Pakistan Refinery Limited.	Dispersion Study of Gas vent line for New Generators.



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S. No.	Client	Description
20	Pakistan Refinery Limited.	Waste Water Treatment Plant Pumps Replacement Project.
21	Pakistan Refinery Limited.	HAZOP Study for 4.5 MW Gas Based Power House and Waste Heat Recovery Boiler at PRL. Conduct the study as HAZOP Chairman and submit Report.
22	Pakistan Refinery Limited.	Study of Installation of Natural Gas line for New Generators
23	Pakistan Refinery Limited.	Civil and Structure Design for Installation of Waste Heat Recovery Boiler at PRL
24	Descon Engineering Services and Technology (Pvt) Limited (formerly Descon Integrated Projects (Pvt) Limited)	Mechanical Design Calculations for 2 Nos. AES Type Heat Exchangers (PD TAR & DA Oil Exchangers) of M/s. National Refinery Ltd. (NRL).
25	Pakistan Refinery Limited.	Modification in Civil foundation and Piping of 1303-JB Pump at Korangi.
26	Pakistan Refinery Limited.	Design of Natural Gas Line including preparation of Piping Drawings, Hydraulics and Stress Analysis.
27	Pakistan Refinery Limited.	Consultancy Services for piping modifications at exchanger 303-CN, including hydraulic analysis & stress analysis.
28	Descon Engineering Services and Technology (Pvt) Limited (formerly Descon Integrated Projects (Pvt) Limited)	3-D Modelling, Development of As-Built Plot Plan, Piping Layouts & Isometrics for National Refinery Ltd. As-Built Project.
29	Pakistan Refinery Limited.	Design Calculations & Study for 101-E Column Support.
30	Pakistan Refinery Limited.	Design verification of LPG Vessels 602-F & 603-E
31	Pakistan Refinery Limited.	Design Review of Crude Oil Network at PRL Korangi Refinery & Keamari Terminal by undertaking Hydraulics, Surge Analysis & Stress Analysis.
32	Descon Engineering Services and Technology (Pvt) Limited (formerly Descon Integrated Projects (Pvt) Limited)	Modification of Existing LPG Reflux Drum 101-V15 of M/s. National Refinery Ltd.
33	Pakistan Refinery Limited.	Design of temporary ramp / bridge for vehicles.
34	Pakistan Refinery Limited.	Technical Study / Design Calculations for sizing of main furnace stack 102-B anchor bolts.
35	Pakistan Refinery Limited.	Design Vetting of Raw Water Filter including Supporting Structure & Foundation.



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S. No.	Client	Description
36	Pakistan Refinery Limited.	Updating of P&IDs & Design of TRV System at Korangi Tank Farm.
37	Pakistan Refinery Limited.	Sizing and preparation of Data Sheets for Thermal Relief Valve System at Korangi Tanks No. 17, 18, 25, 26, 27 & 28.
38	Pakistan Refinery Limited.	Design Review of Existing Foam Tank & its Foundation and preparation of detailed drawings for new tank including foundation.
39	Pakistan Refinery Limited.	Design and Detailed Engineering for installation of Thermal Relief Valve system at Korangi Tanks No. 10, 28 & 39.