DATE	REVISION NO.	REMARKS
10.01.2025	R-14	1. Dismantling of existing 24 station Carousel -1 and allied equipment 2. Installation of new 48 station carousel and allied equipment
11.05.2024	R-13	1. Addition of Automatic valve changing machine and automatic o-ring remover & inserter 2. Conversion of manual SQC to automatic SQC
17.06.2022	R-12	1. Additional of 3 Manual Filling Machines.
07.02.2022	R-11	1. Existing Carousal & PAM filling machine to be used for composite cylinders.
21.12.2019	R-10	1. Corr 3 =Additional correction unit for New carousal with drive unit. 2. Pt1 & Pt2 unit Reverse loop with conveyor modification, Gd2 shifting.
01.08.2018	R-9	1. Installation of 2nos. of filling machine for manual filling 35kg & 47.5 kg cyl. 2. Installation of purging unit for pressure tested cylinders. 3. Installation of 6 nos. of filling machine for 19 kg manual filling with correction unit (roller conveyor line) & check scale joining to the main line before GD machine. 4. Additional installation of conveyer to the new carousel line.
14.06.2017	R-8	1. Installation of 422kg LPG cylinder filling machine with check scale & correction (HIPPO FACILITY). 2. Additional roller conveyer installation between OLD& NEW carousel line in loading shed.
08.03.2016	R-7	1. Internal cleaning & Air drying unit installed in Deputy CCOE's site visit at solar LPG Plant. 2. PT shed (which was not in initial approval) after this is as built drawing.
20.07.2015	R-6	1. Laying of conveyer for proposed cylinder loading bay for 35/47.5 kg cylinders. 2. Laying of conveyer for proposed OVCU 2 3. Dismantling of excess conveyer near carousel 2.
19.08.2014	R-5	1. Laying of conveyer from Filling shed to PT shed.
30.11.2013	R-4	1. Dismantling of conveyer from filling shed to CR shed. 2. Modifying the conveyer route at manual filling station.
16.03.2009	R-3	1. Dismantling & reinstallation of Evacuation unit avoided by shifting cold repair return conveyer. 2. pneumatic pushers introduced for transfer of evacuated cylinders to the main line &then to the cold repair conveyer. 3. TC6 & NDU1 are now reversible conveyers 4. An additional reversible conveyer introduced between NDU1 & empty stacking conveyer.
12.11.2008	R-2	1. Drive units & drive sections now consider on confirmation from BPCL that these items are not part of carousel.
10.06.2008	R-1	1. Changes made to accommodate valve change without evacuation.

LAYOUT IND-TIV0727-006 (REV009)

TOTAL CHAIN CONVEYOR IN METERS

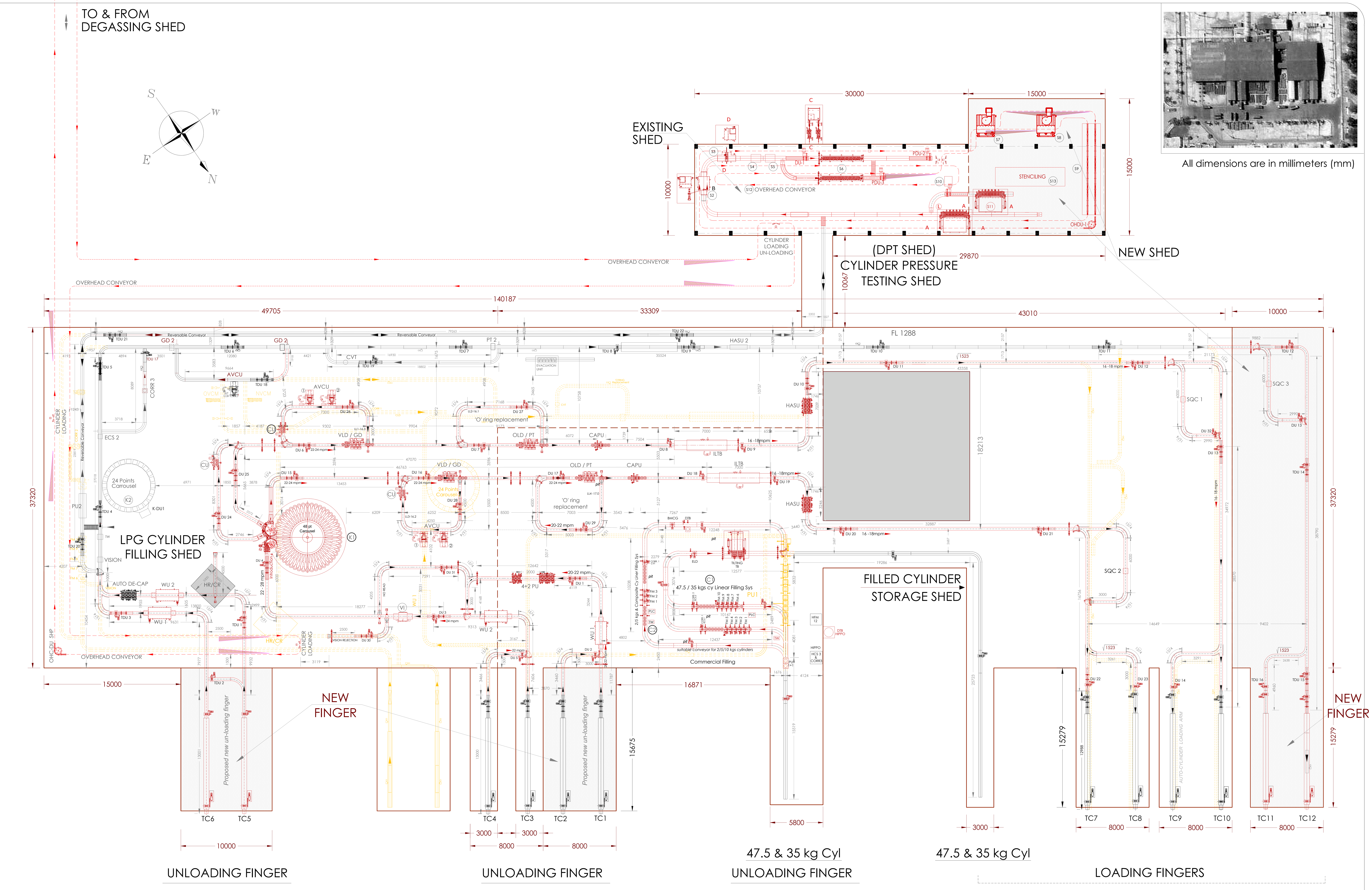
CONVEYOR FOR 48.PT CAROUSEL LINE	**578.50 METERS**
PARTIAL NEW CONVEYOR SYSTEM FOR 24.PT CAROUSEL	**115.80 METERS**
CONVEYOR FOR 47.5KGS CY. / COMMERICAL CY. LINE	**56.90 METERS**
CONVEYOR SYS. FOR 2/5/10KGS CYLINDERS LINE	**41.00 METERS**
TOTAL CONVEYOR SYS.	**792.20 METERS**

FILLING & SHED - EQUIPMENT FOR 48.PT CAROUSEL

EQ.SrN	DESCRIPTION	QTY
TC 1-8	TELESCOPIC CHAIN CONVEYOR	8
4+2 PU	PURGING UNIT (4 +2 HEADS)	1
WU 1, 2	WASHING UNIT	2
Vi	VISION UNIT	1
K1	48 STATION FILLING CAROUSEL	1
CU	WEIGHT CORRECTION UNIT	3
VLD/GD	VALVE LEAK REJECTION / GAS LEAK DETECTOR	2
OLD/PT	O-RING LEAK DETECTOR / PRESSURE TRANSMITTER	2
AVCU	AUTO VALVE CHANGING UNIT W/O EVACUATION	4
CAPU	VALVE SCREWING UNIT	2
ILTB	INLINE TEST BATH	2
HASU	HOT AIR SEALING UNIT (4 HEADS)	2
SQC	STATISTICAL QUALITY CONTROL UNIT	2
C1	COMMERICAL CYLINDER FILLING LINE - 47.5KGS	1
C2	COMMERICAL CYLINDER FILLING LINE - 2/5/10KGS	1
DTB	DIP TEST BATH - FOR HIPPO CYLINDERS (425KGS)	1
HFM	HIPPO CYLINDER (425KGS) FILLING MACHINE	2

DPT SHED-EQUIPMENT

EQ.SrN	DESCRIPTION	QTY
S1	VALVE UNSCREWING UNIT	1
S2	CAUSTIC SODA WASHING UNIT	1
S3	HIGH PRESSUREWATER RINSING UNIT	1
S4	CYL INTERNAL CLEANING & INSP	1
S5	TW CHECKING CHECK SCALE	1
S6	HYDROTESTING UNIT	2
S7	AUTO PRIMER PAINTING	1
S8	AUTO PAINTING UNIT	1
S9	HOT AIR PAINT DRYER	1
S10	VALVE SCREWING UNIT	1
S11	6 HEAD ONLINE PN.TESTING	2
S12	OVERHEAD CONVEYOR	325 RM
S13	STENCILING	1



All dimensions are in millimeters (mm)

LEGEND

CONVEYOR

- NEW CONVEYOR SYS
- EXISTING CONVEYOR SYS
- TO BE DISMANTLED CONV. SYS

CIVIL

- PROPOSED PIT
- PROPOSED NEW FINGER

TEMPERATURE CLASS : T6
GAS GROUP ZONE: IIA & IIB
DESIGNED AS PER NORMS: OISD144 STD

CATEGORY OF DRAWING :
APPROVAL ☑ REFERENCE ☐ INFORMATION ☐ RECORD ☐

PROJECT NAME:
CONSULTANCY FOR DESIGN OF CONVEYOR LAYOUT

DRAWING TITLE:
PROPOSED CONVEYOR LAYOUT FOR NEW 48PT. CAROUSEL

DESIGN PROPOSED BY: SATYASHEEL PATKI
APPROVED BY:
DATE: 10/12/2024

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UNIT: OPTION - 6