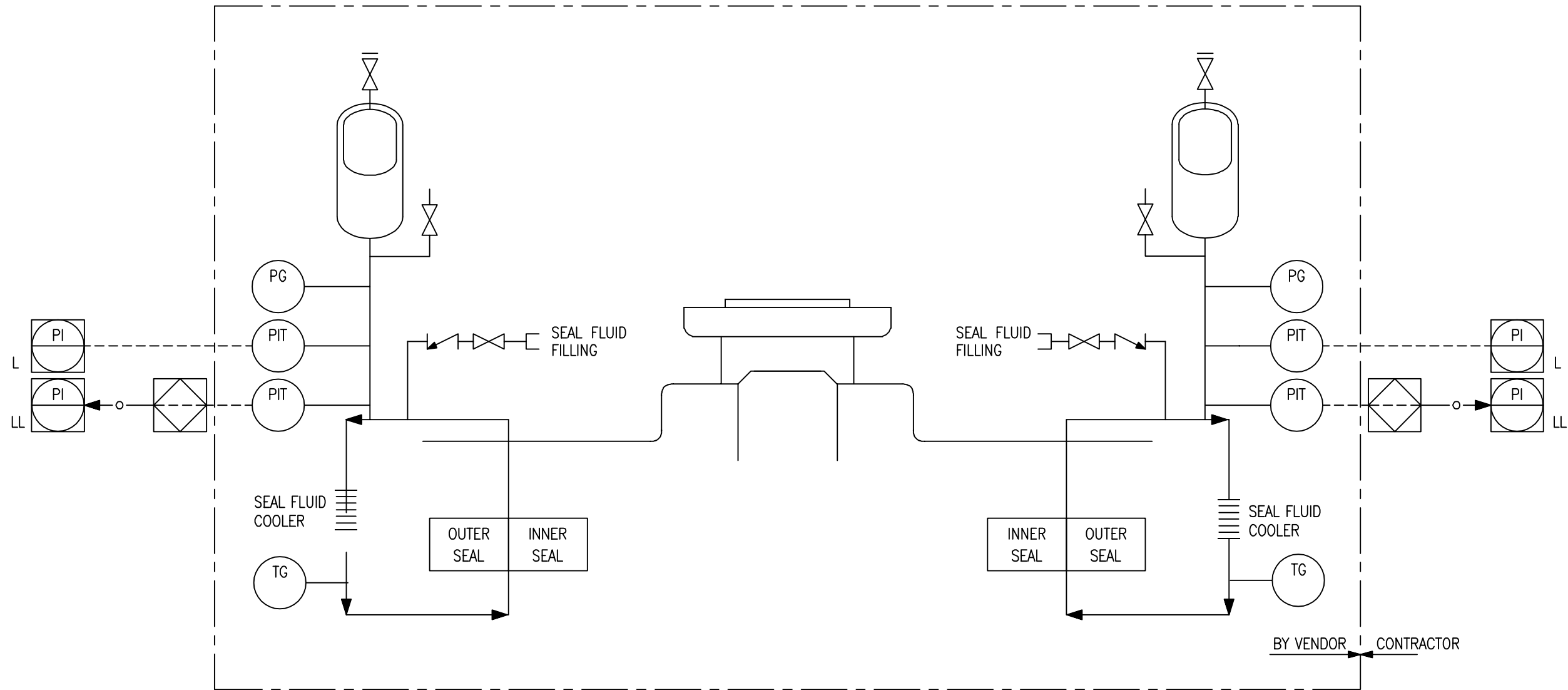


ITEM NO.	PG	PIT (PAL)	PIT (PALL)	TG	RO
G-003A/B/C	0003AR/BR/CR	0003AR/BR/CR	0003AS/BS/CS	0003AR/BR/CR	0003AR/BR/CR
G-016A/B	0016AR/BR	0016AR/BR	0016AS/BS	0016AR/BR	0016AR/BR
G-017A/B	0017AR/BR	0017AR/BR	0017AS/BS	0017AR/BR	0017AR/BR
G-106A/B	1106AR/BR	1106AR/BR	1106AS/BS	1106AR/BR	-
G-107A/B	2107AR/BR	2107AR/BR	2107AS/BS	2107AR/BR	-
G-108A/B	3108AR/BR	3108AR/BR	3108AS/BS	3108AR/BR	-

API SEAL PLAN 53B



PRIMARY					SECONDARY			
ITEM NO.	PG	PIT (PAL)	PIT (PALL)	TG	PG	PIT (PAL)	PIT (PALL)	TG
G-001A/B	0001AR/BR	0001AR/BR	0001AS/BS	0001AR/BR	0001AS/BS	0001AL/BL	0001AN/BN	0001AS/BS
G-002A	0002AR	0002AR	0002AS	0002AR	0002AS	0002AL	0002AN	0002AS
G-006A/B	0006AR/BR	0006AR/BR	0006AS/BS	0006AR/BR	0006AS/BS	0006AL/BL	0006AN/BN	0006AS/BS
G-007A/B/C	0007AR/BR/CR	0007AR/BR/CR	0007AS/BS/CS	0007AR/BR/CR	0007AS/BS/CS	0007AL/BL/CL	0007AN/BN/CN	0007AS/BS/CS
G-101A/B/C (DESALTER TRAIN A)	0101AR/BR/CR	0101AR/BR/CR	0101AS/BS/CS	0101AR/BR/CR	0101AS/BS/CS	0101AL/BL/CL	0101AN/BN/CN	0101AS/BS/CS
G-201A/B/C (DESALTER TRAIN B)	0201AR/BR/CR	0201AR/BR/CR	0201AS/BS/CS	0201AR/BR/CR	0201AS/BS/CS	0201AL/BL/CL	0201AN/BN/CN	0201AS/BS/CS

API SEAL PLAN 53B  
BETWEEN BEARING TYPE

## GENERAL NOTES:

- A. FOR STANDARD SYMBOLS AND NOMENCLATURE SEE DRAWINGS 50489-530-020-PID-1104.001 & 1104.002.  
B. ALL EQUIPMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 530-  
C. ALL INSTRUMENT NUMBERS SHOWN ON THIS P&ID ARE PRECEDED BY 030--.

## NOTES:

1. FOR TYPICAL PUMP SEAL PIPING DETAILS OF:  
G-004A/B/C REFER DWG 50489-530-020-PID-1126.004/1126.007/1126.010  
G-005A/B/C REFER DWG 50489-530-020-PID-1153.016/1153.019/1153.022  
G-011A/B/C REFER DWG 50489-530-020-PID-1153.007/1153.010/1153.013

## AS-BUILT

### KOC APPROVAL

NAME / KOC No:

DESIGNATION :

GROUP / TEAM :

SIGNATURE :

DATE :

## AS-BUILT

### LARSEN & TOUBRO LIMITED

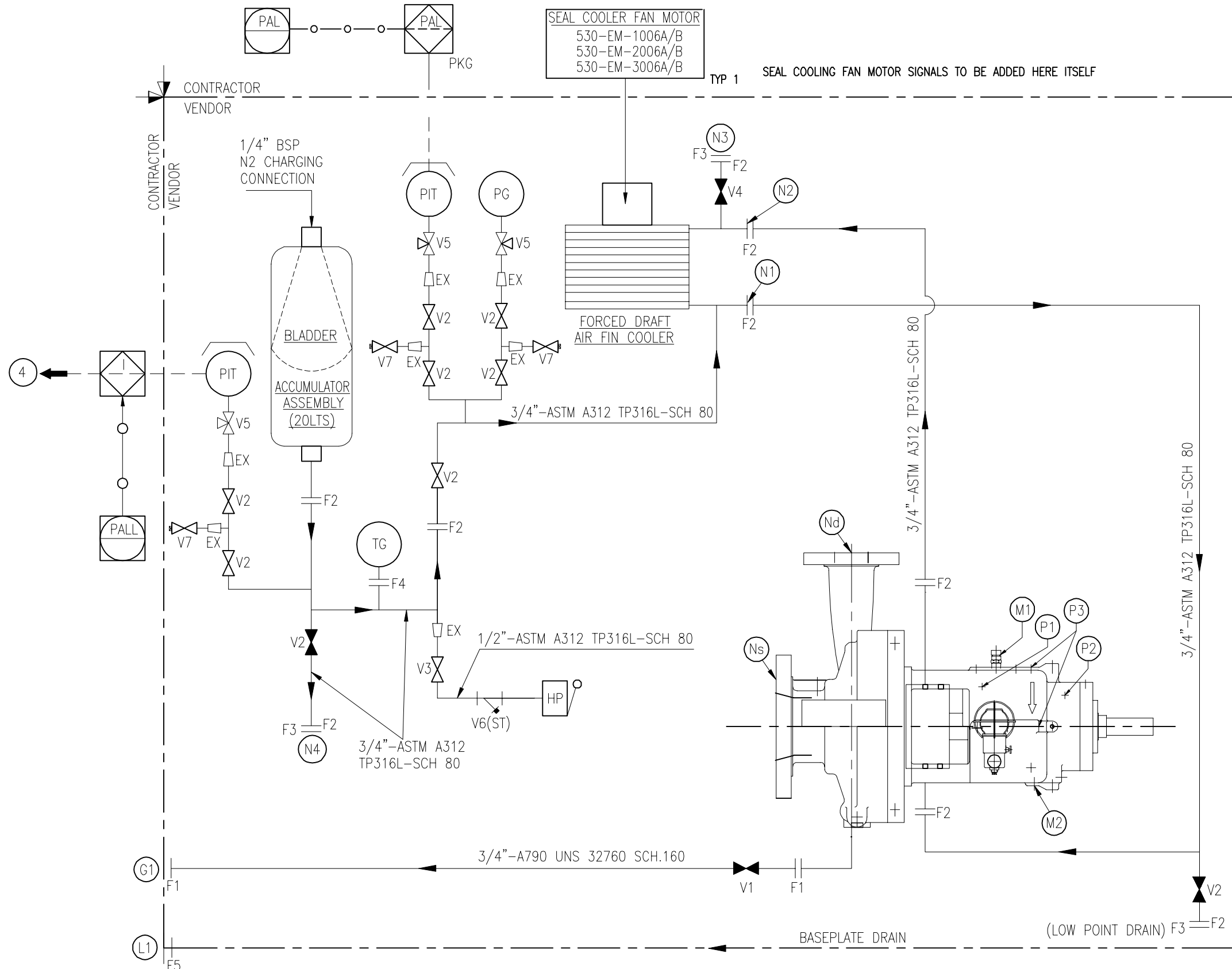
NAME : VAIBHAV VERMA

DESIGNATION : AGM

SIGNATURE :

DATE : 03-OCT-2018

DEPT/ DIVISION : ENGINEERING



API SEAL PLAN 53B  
IGF SYSTEM

INSTRUMENT TAG NUMBERS(IGF)				
TAG NUMBERS	PG	PIT (PAL)	PIT (PALL)	TG
530-G-106A	530-PG-1106AR	030-PIT-1106AR	030-PIT-1106AS	030-TG-1106AR
530-G-106B	530-PG-1106BR	030-PIT-1106BR	030-PIT-1106BS	030-TG-1106BR
530-G-107A	530-PG-2107AR	030-PIT-2107AR	030-PIT-2107AS	030-TG-2107AR
530-G-107B	530-PG-2107BR	030-PIT-2107BR	030-PIT-2107BS	030-TG-2107BR
530-G-108A	530-PG-3108AR	030-PIT-3108AR	030-PIT-3108AS	030-TG-3108AR
530-G-108B	530-PG-3108BR	030-PIT-3108BR	030-PIT-3108BS	030-TG-3108BR

AUXILIARY INTERFACE NOZZLE CONNECTION DETAILS				
MARK	DESCRIPTION	SIZE (inch)	CLASS	FLANGE TYPE
Ns	SUCTION FLANGE	6	300	R.F-ASME B16.5
Nd	DISCHARGE FLANGE	4	300	R.F-ASME B16.5
G1	CASING DRAIN	3/4	300	W.N.R.F
L1	BASE PLATE DRAIN	2	150	W.N.R.F
AUXILIARY SKID NOZZLE CONNECTION DETAILS				
N1	TO SEAL-PLAN 53B	3/4	300	W.N.R.F
N2	FROM SEAL-PLAN 53B	3/4	300	W.N.R.F
N3	COOLER VENT-PLAN 53B (WITH BLIND FLANGE)	3/4	300	W.N.R.F
N4	DRAIN & FILING CONNECTION-PLAN 53B (WITH BLIND FLANGE)	3/4	300	W.N.R.F
M1	FILL/VENT FOR BEARING HOUSING	1/2	NPT	PLUGGED
M2	BEARING HOUSING DRAIN	1/2	NPT	MAGNETIC PLUG
P1	PROVISION FOR BEARING THERMORESISTANCE	1/2	NPT	PLUGGED
P2	PROVISION FOR BEARING THERMORESISTANCE	1/2	NPT	PLUGGED
P3	PROVISION FOR ACCELEROMETERS	M8x1.25	-	8mm DEPTH

Z0	ISSUED FOR AS-BUILT	VPA/CHS	CHS	SRA	VAV	03.10.18
02	ISSUED FOR CONSTRUCTION	VPA/CHS	CHS	SRA	VAV	14.11.17
01	ISSUED FOR CONSTRUCTION	BAK/AGK	AGK	SRA	RAK	06.01.17
0	ISSUED FOR CONSTRUCTION	PAK/ABY	AGK	SRA	RAK	07.05.16
D	ISSUED INCORPORATED CLIENT COMMENTS	BAK/ABY	AGK	SRA	RAK	08.01.16
C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/ABY	AGK	SRA	RAK	28.10.15
0C	ISSUED INCORPORATED CLIENT COMMENTS	BAK/ABY	AGK	SRA	RAK	08.09.15
B	ISSUED INCORPORATED CLIENT COMMENTS PREVIOUS DWG. NO. 50489-530-020-PID-1109.002	JSI/VSA	AGK	SRA	RAK	20.01.15
A	ISSUED FOR APPROVAL	JSI/VSA	AGK	SRA	RAK	24.11.14
REV.	DESCRIPTION	DRAWN	CHECKED	HOD	PEM	DATE

## CONTRACTOR REVISION

**KUWAIT OIL CO.**  
**K. S. C.**

شركة نفط الكويت  
ش.م.ك.

الهيئة العامة للغذاء والدواء  
A Subsidiary of Kuwait Petroleum Corporation

CONTRACTOR DETAILS:-

**LARSEN & TOUBRO LIMITED**  
FARIDABAD

PROJECT TITLE:-

**NEW GATHERING CENTRE GC-30**  
IN NORTH KUWAIT

DOCUMENT TITLE:-

**PIPING & INSTRUMENTATION DIAGRAM**  
**PUMP SEAL DRAWING**

PROJECT NO.	DRAWING NO.		
EF1902	CONTRACTOR DRG. NO.	REV.	KOC DRG. NO.
	50489-530-020-PID-1108.006	Z0	
	SHEET NO. 6 OF 10		SHEET NO.
	COMPANY DRG. NO.	REV.	
	EF1902-530-DCO-PID-0109.002	A1	
	SHEET NO.		