


[illegible][illegible]

UNLOADING SYSTEM OF MS

TO TANK

 भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड Bharat Petroleum Corporation Limited	SURJICOT UNLOADING SYSTEM OF MS AT THINCHUPANGKHA, PARO-BHUTAN DEPOT			DATE: _____ DRAWN BY: _____ CHECKED: _____ APPROVED: _____
	SCALE = 1 : 80	DRAWING DESIGNERS ASSOCIATES	TECHNO	JOB NO: _____
	DATE : 18.5.2012			APPROV: _____
	REMARKS: CHARGE OUT NO. FOR SUPERVISOR'S SIGNATURE			DRAWING NO. _____
	REMARKS: CHARGE OUT NO. FOR SUPERVISOR'S SIGNATURE			DRAWING NO. _____

1500G PIPE

NRV#1

V#1

BF60

V#6

BF61

1500G PIPE

NRV#2

V#2

V#7

BF62

1500G PIPE

NRV#3

V#3

V#8

BF63

1500G PIPE

NRV#4

V#4

V#9

BF64

1500G PIPE

NRV#5

V#5

V#10

BF65

TO GUNTRY HEADER

V611

1500G PIPE

BF67

800G PIPE

V31

800G PIPE

V32

V36

V33

F31

V37

V38

LOADING ARM

V39

V38

V32

V34

F32

LOADING ARM

LEGEND :-

GATE VALVE

NON RETURN VALVE

BLANK FLANGE

FLOW METER

भारत पेट्रोलियम कॉर्पोरेशन लिमिटेड

Bharat Petroleum Corporation Limited

SUBJECT: LOADING SYSTEM OF HSD AT THINCHUPANGKILA, PARO, BHUTAN DEPOT

SCALE: 1:20

DRAWN: TECHNIO

CHECKED: DESIGNERS ASSOCIATES

DATE: 16.6.2012

JOB NO.:

APPVD.:

DATE	DRAWING NO.

APPROVED (SIGNED OUT) ARE FOR PROJECT CLOSURE

DRAWING NO.

1500 PIPE

NRV81

V81

1500 PIPE

NRV82

V82

1500 PIPE

NRV83

V83

OUTLET OF VT PUMP

BF64

V85

V86

V87

BF66

1500 PIPE

V84

600 PIPE

V31

600 PIPE

V32

V35

V37

V36

V38

F31

LOADING ARM

V39

V38

V34

F32

LOADING ARM

LEGEND >

Gate Valve

Non Return Valve

Blank Flange

Flow Meter

भारत पेट्रोल कॉर्पोरेशन लिमिटेड

Bharat Petroleum Corporation Limited

SUBJECT: LOADING SYSTEM OF MS AT THINCHUPANGKHA, PARO- BHUTAN DEPOT

SCALE = 1 : 50

DRAWN: TECHD

DESIGNER: ASSOCIATES

CHECKED:

DATE: 18.8.2012

JOB NO.:

APPD.:

DATE: DRAWING NO.

ISSUES CROSSED OUT ARE FOR IMPROVED VERSION

DRAWING NO.

FOR PRODUCT MS & HSD					FOR FIRE WATER		
SYMBOL	ITEM	HSD	MS	TOTAL	SYMBOL	ITEM	TOTAL
—	PIPE 800 1500 1000	82M. 90M 10M	83M 56M 6M	165M 146M 16M	—	PIPE 3500 2000	20M 694M
⋈	GATE VALVE 800 1500 1000	8 11 5	8 7 3	16 18 8	⋈	GATE VALVE 3500 2000	4 4
⋈	NRV - NON RETURN VALVE 1500	5	3	8	=	BLANK FLANGE 3500	2
L	90° ELBOW 800 1500	2 NOS. 5 NOS.	- 3 NOS.		⋈	NRV 2000	2
	60° ELBOW 800	1 NO.	1 NO.		⋈	BOX STRAINER 3500	2
	30° ELBOW 1500	1 NO.	-		∞	DOUBLE HYDRANT VALVE	23
=	BLANK FLANGE 1500	8	6	14	⊕	MONITOR	7
□	FLOW METER	1	1	2	⊥	T-350X350X350	4
	LOADING ARM	2	2	4	⊥	T-200X200X200	2
⊥	T-150X150X80	4	4	8			
⊥	T-150X150X100	5	3	8			
⊥	T-150X150X150	10	6	16			