



**BHARAT HEAVY ELECTRICALS  
LIMITED**  
PROJECT ENGINEERING MANAGEMENT

BHEL PEM,PPEI  
PLOT No.25, SECTOR-16A,  
NOIDA-201301 (U.P.)  
PHONE: 0120-4368761

Ref. No: GEM/2021/B/1750786 Dtd. 10.12.21

Date : 20.12.2021

**CORRIGENDA/ADDENDA-01**

**SUBJECT : 1X660 MW WBPDCS SAGARDIGHI EXTN UNIT V Project**  
**PACKAGE : OXYGEN DOSING SYSTEM**

GeM Bid No. :- GEM/2021/B/1750786 dtd. 10.12.21

DUE DATE
27.12.2021
BY 4:00 PM

GeM Bid No. :- GEM/2021/B/1750786

**BHEL Enquiry No. :- E-6831/2021 (For reference at pem.bhel.com & bhel.com.)**

**Sub:** Issuance of Corrigendum due to – a) Extension of due date for offer submission, &  
b) Uploading of **P&IDs** for above mentioned project/package/tender at “www.pem.bhel.com” &  
“www.bhel.com”.

- 1) The bid submission date of tender for OXYGEN DOSING SYSTEM invited through GeM vide Bid No. GEM/2021/B/1750786 dtd. 10.12.21 is extended up to 27.12.2021 at 04:00 PM. Bidders are requested to submit their offer on or before due date & time.
- 2) Bidders to note that **P&IDs** for subject project/package/tender are **uploaded** at “www.pem.bhel.com” & “www.bhel.com” for compliance **alongwith this Corrigendum no. 1.**

Thanks And Regards

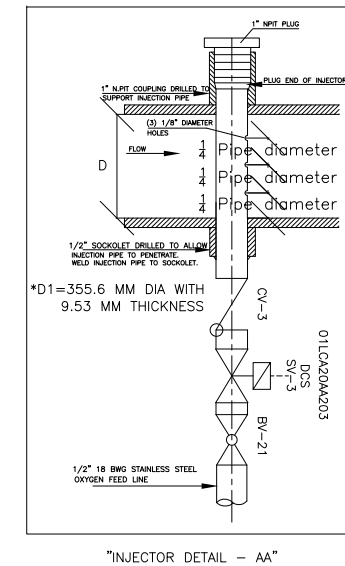
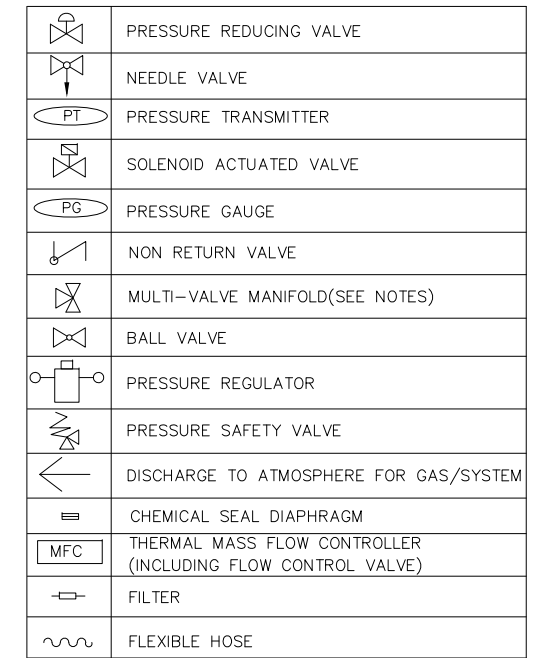
*Ashutosh Sharma*

Ashutosh Sharma  
Dy. Mgr. /BHEL PEM, Noida  
Mob. No. 9953038740

BHEL/PS-PEM  
POWER PROJECT ENGINEERING INSTITUTE,  
PLOT NO. 25, SECTOR - 16A, NOIDA (UP)

Regd. Office:  
BHEL House  
Siri Fort  
New Delhi-110049

LEGEND



- 1 THE ENTIRE SYSTEM INCLUDING THE JUNCTION BOX SHALL BE SKID MOUNTED.
- 2 ONE NUMBER SKID SHALL BE PROVIDED FOR DOSING AT CPU OUTLET.
- 3 ONE NUMBER INJECTION ASSEMBLY SHALL BE SUPPLIED LOOSE FOR O<sub>2</sub> DOSING AT CPU OUTLET.
- 4 ALL THE VALVES SHALL BE OF SS 316.
- 5 ALL TUBING SHALL BE OF SS 316, 15 NB AND 18 BWG.
- 6 100 M OF TUBING OF SAME SPECIFICATION SHALL BE SUPPLIED LOOSE WITH THIS SKID,
- 7 ALL THE MULTI VALVE MANIFOLD SHALL BE 3-WAY VALVE MANIFOLDS (MOC: SS316).
- 8 THE FOLLOWING SHALL BE THE TERMINAL POINT DETAILS:—,

TP 1:— ALL FIELD INSTRUMENTS (PRESSURE AND FLOW TRANSMITTERS), AND SOLENOID VALVES (SV1 & 2 ONLY) SHALL BE TERMINATED AT THE JB BY OXYGEN DOSING VENDOR FOR FURTHER CONNECTION TO DCS BY BHEL.

TP 2:— ALL VENT CONNECTIONS SHALL BE TERMINATED AT ONE POINT BY OXYGEN DOSING VENDOR FOR FURTHER CONNECTION TO ATMOSPHERE (OUTSIDE POWER HOUSE) BY BHEL.

TP 3: DOSING TERMINAL POINT SHALL BE AFTER MFC AND TERMINATED BY THE OXYGEN DOSING SUPPLIER FOR FURTHER INTERCONNECTION TILL DOSING LOCATIONS BY BHEL.

TP 4:— 24 V-DC CONNECTION TO SV-3 SHALL BE DIRECTLY CONNECTED BY BHEL.

1X660 MW SAGARDIGHI THERMAL POWER STATION, UNIT NO. 5



**WBPDCL**

**The West Bengal Power Development Corporation Limited**  
(A Government of West Bengal Enterprise)



DEVELOPMENT CONSULTANTS PVT. LTD.  
KOLKATA



BHARAT HEAVY ELECTRICALS LTD  
POWER SECTOR  
PROJECT ENGINEERING MANAGEMENT  
NEW DELHI

DEPT CODE		NAME	SIGN	DATE
A	DRN	DK		04.08.2021
	DESN	MA		04.08.2021
	CHD	AKS/ JP		04.08.2021
	APPD	SB		04.08.2021

TITLE	P&ID FOR OXYGEN DOSING SKID AT CPU OUTLET
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DRAWING No.	PE-DG-445-154-A001
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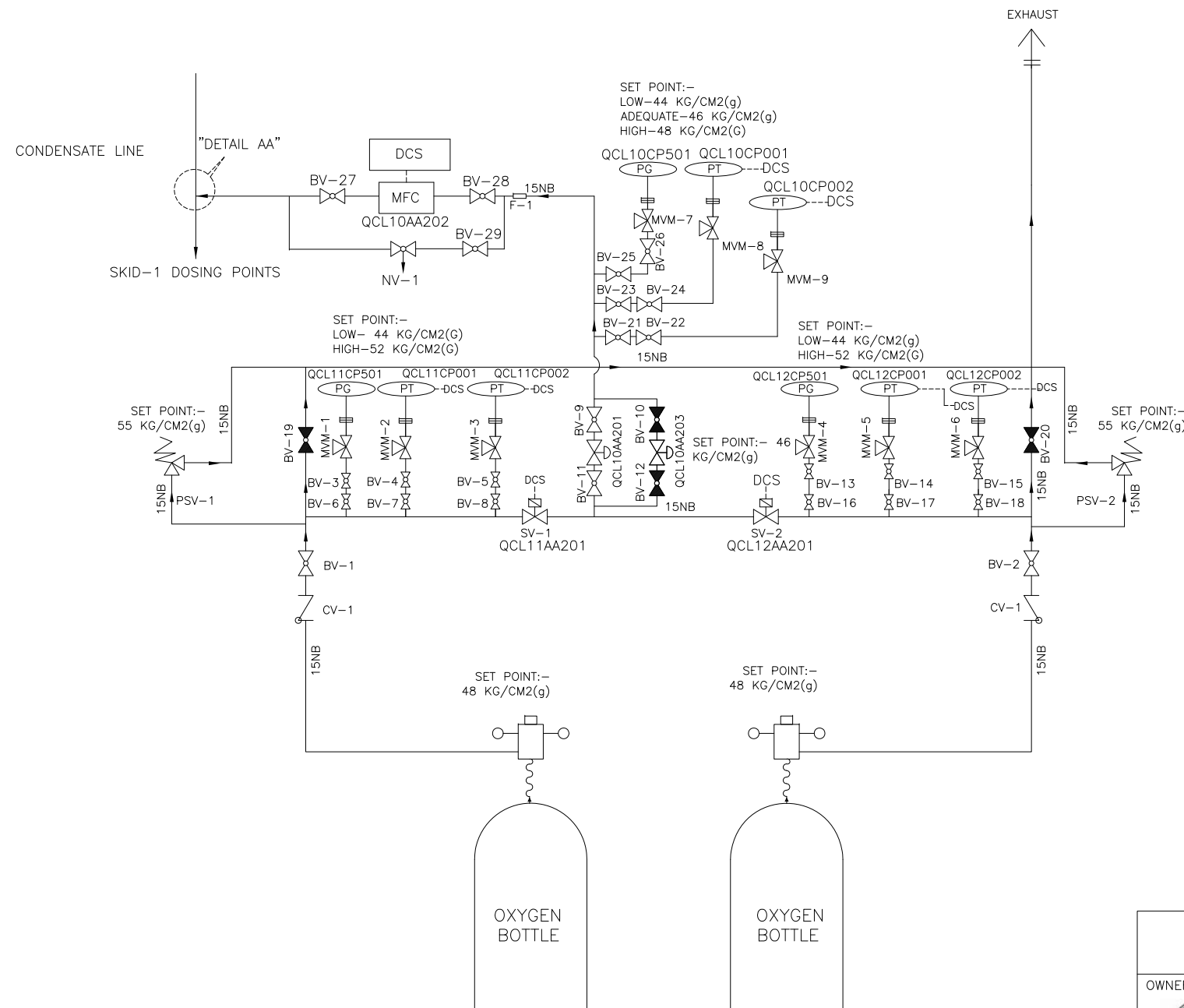
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SIZE-A3

COMPUTER FILE NAME : :

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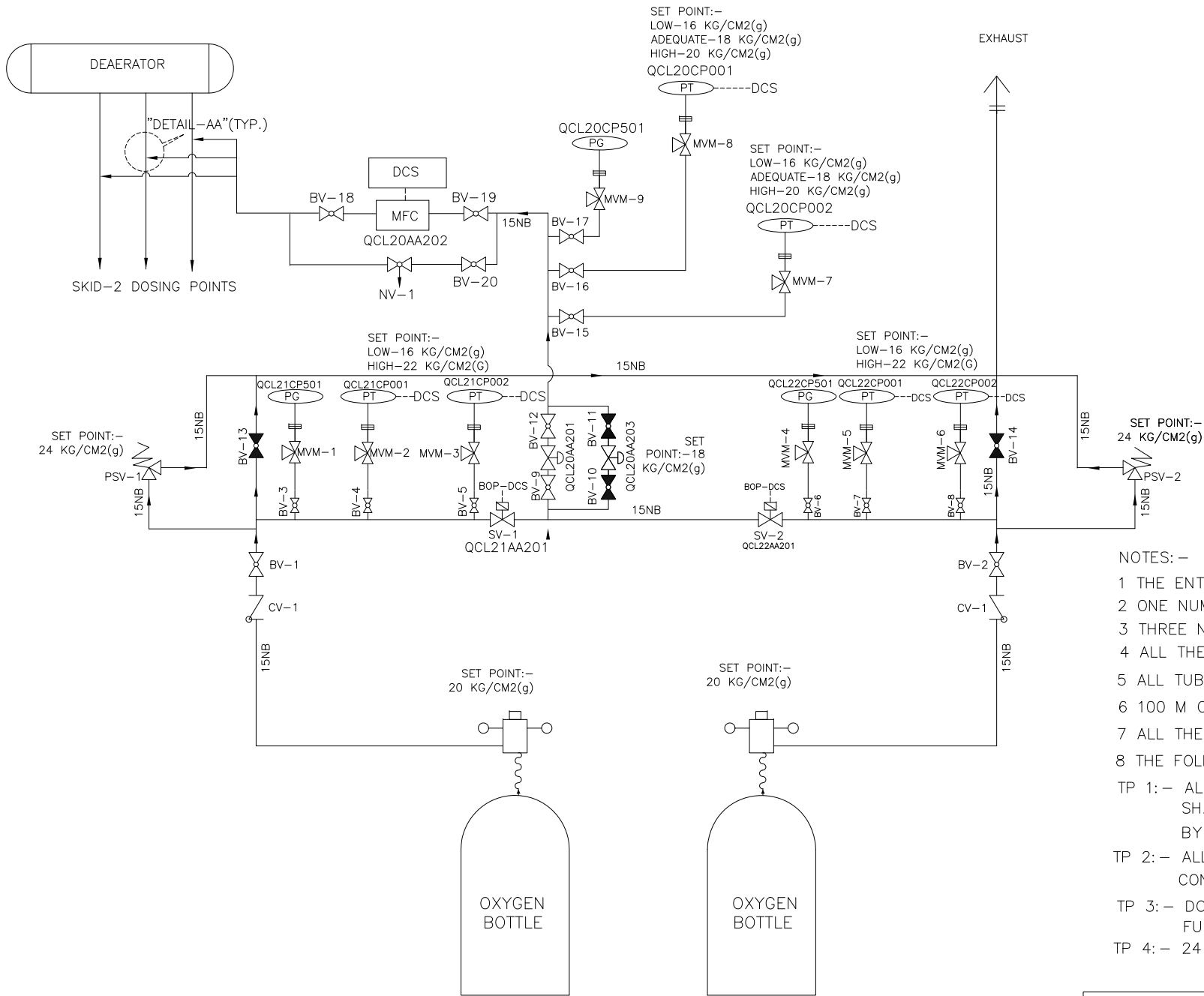


REV.	DATE	ALTD	CHD	APPD	JOB No. <b>445</b>
					STATUS <b>CONTRACT</b>
					DISTRIBUTION

FIRST ANGLE PROJECTION

ALL DIMENSIONS ARE IN MM

DRAWING NO.



NOTES: -

- 1 THE ENTIRE SYSTEM INCLUDING THE JUNCTION BOX SHALL BE SKID MOUNTED.
- 2 ONE NUMBER SKID SHALL BE PROVIDED FOR DOSING AT DEAERATOR OUTLET.
- 3 THREE NUMBERS INJECTION ASSEMBLY PER UNIT SHALL BE SUPPLIED LOOSE FOR O2 DOSING AT DEAERATOR OUTLET.
- 4 ALL THE VALVES SHALL BE OF SS 316.
- 5 ALL TUBING SHALL BE OF SS 316, 15 NB AND 18 BWG.
- 6 100 M OF TUBING OF SAME SPECIFICATION SHALL BE LOOSE WITH THIS SKID.
- 7 ALL THE MULTI VALVE MANIFOLD SHALL BE 3-WAY VALVE MANIFOLDS (MOC: SS 316).
- 8 THE FOLLOWING SHALL BE THE TERMINAL POINT DETAILS:-  
TP 1:- ALL FIELD INSTRUMENTS (PRESSURE AND FLOW TRANSMITTERS), AND SOLENOID VALVES(SV1 & 2 ONLY) SHALL BE TERMINATED AT THE JB BY OXYGEN DOSING VENDOR FOR FURTHER CONNECTION TO DCS BY BHEL.  
TP 2:- ALL VENT CONNECTIONS SHALL BE TERMINATED AT ONE POINT BY OXYGEN DOSING VENDOR FOR FURTHER CONNECTION TO ATMOSPHERE (OUTSIDE POWER HOUSE) BY BHEL.  
TP 3:- DOSING TERMINAL POINT SHALL BE AFTER MFC AND TERMINATED BY THE OXYGEN DOSING SUPPLIER FOR FURTHER INTERCONNECTION TILL DOSING LOCATIONS BY BHEL.  
TP 4:- 24 V-DC CONNECTION TO SV-3, SV-4, AND SV-5 SHALL BE DIRECTLY CONNECTED BY BHEL.

LEGEND

	PRESSURE REDUCING VALVE
	NEEDLE VALVE
	PRESSURE TRANSMITTER
	SOLENOID ACTUATED VALVE
	PRESSURE GAUGE
	NON RETURN VALVE
	MULTI-VALVE MANIFOLD(SEE NOTES)
	BALL VALVE
	PRESSURE REGULATOR
	PRESSURE SAFETY VALVE
	DISCHARGE TO ATMOSPHERE FOR GAS/SYSTEM
	CHEMICAL SEAL DIAPHRAGM
	THERMAL MASS FLOW CONTROLLER (INCLUDING FLOW CONTROL VALVE)
	FILTER
	FLEXIBLE HOSE

1X660 MW SAGARDIGHI THERMAL POWER STATION, UNIT NO. 5

OWNER:



**The West Bengal Power Development Corporation Limited**  
(A Government of West Bengal Enterprise)

PMC CONSULTANT:



DEVELOPMENT CONSULTANTS PVT. LTD.  
KOLKATA



BHARAT HEAVY ELECTRICALS LTD  
POWER SECTOR  
PROJECT ENGINEERING MANAGEMENT  
NEW DELHI

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	CHD	AKS/ JP		04.08.2021
	APPD	SB		04.08.2021

TITLE **P&ID FOR OXYGEN DOSING  
SKID AT DEAERATOR OUTLET**

DRAWING No.  
**PE-DG-445-154-A101**

SHEET 02 OF 02 REV 00

REV. DATE ALTD CHD APPD

JOB No. **445**

STATUS **CONTRACT**

DISTRIBUTION