

Well Field Construction Project at
Tetulzhora-Bhakurta Area of Savar
Upazilla(Part-1)

ELECTRICAL DRAWINGS
FOR APPROVAL

March 2017

AS BUILT

						PROJECT Well Field Construction Project at Tetulzhora-Bhakurta Area of Savar Upazilla(Part-1)					
						TITLE					
						STATUS FOR APPROVAL					
						DESIGNED KH,Yook	DRAWN GS, Hwang	CHECKED IY, Ryu	APPROVED BY		
						DATE March, 10, 2017	DATE March, 10, 2017	DATE March, 10, 2017	DATE		

						CONSULTANTS					
						CLIENT					
						CONTRACTOR					
						Notes:					
						DRAWING SCALE					
						DRAWING No.					
						REV.					

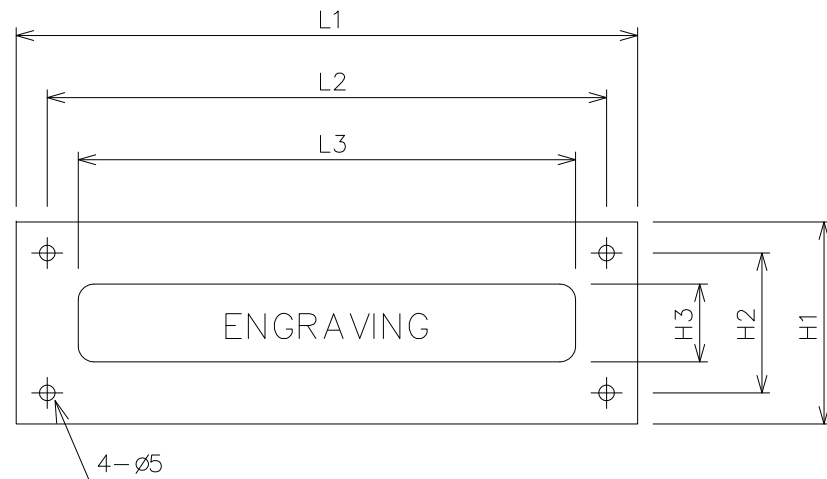
						ORIGINAL DRAWING SIZE A3 - 420x297					
						DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY					
						HYUNDAI ROTEM COMPANY					
						Hankuk Engineering Consultants H.E.C					
						SUNG JI Engineering					
						Institute of Water Medelling					
						AS BUILT					
						GS, Hwang					
						IY, Ryu					
						-					
						July, 25, 2017					
						Rev					
						Description					
						Drawn					
						Checked					
						Approved					
						Date					

B

C

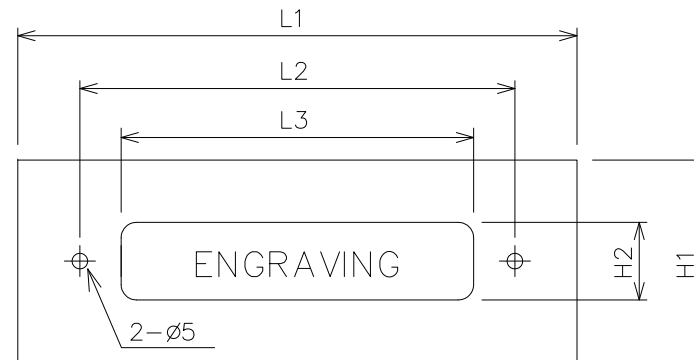
E

F

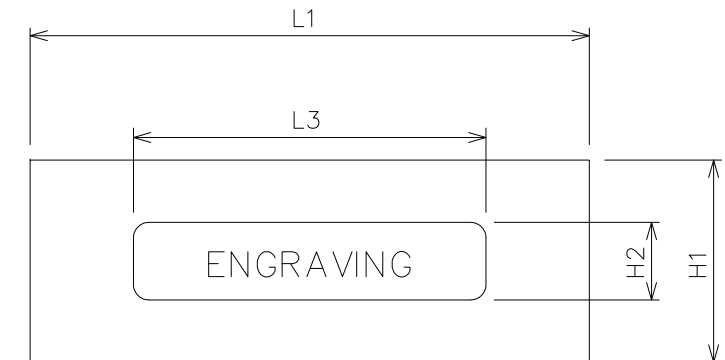


DEMENSION

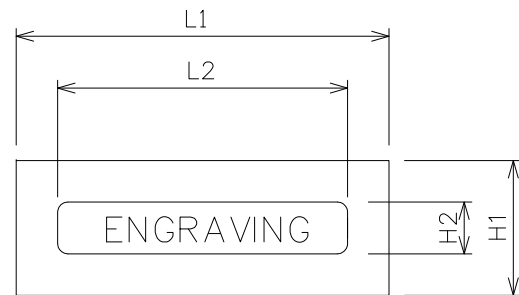
TYPE	L1	L2	L3	H1	H2	H3	THICK- NESS	MATERIAL
T01	315	300	275	63	50	32	5t	LAMINATE

DEMENSION

TYPE	L1	L2	L3	H1	H2	THICK- NESS	MATERIAL
T04	60	51	42	20	12	2t	LAMINATE

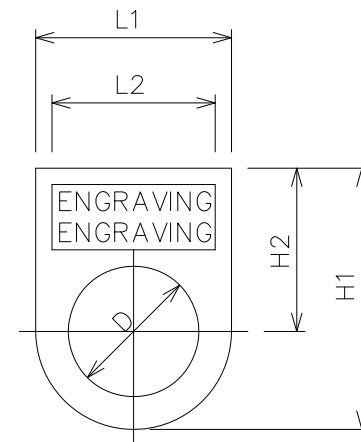
DEMENSION

TYPE	L1	L2	L3	H1	H2	THICK- NESS	MATERIAL
T04	60	—	42	20	12	2t	LAMINATE



DEMENSION

TYPE	L1	L2	H1	H2	THICK- NESS	MATERIAL
T05	40	36	12.5	8	2t	LAMINATE



DEMENSION

TYPE	L1	L2	H1	H2	D	THICK- NESS	MATERIAL
T08	37	33	51	32	31	2t	LAMINATE

* * N O T E * *

1. COLOR OF LETTER
- ☒ BLACK ☐ WHITE ☐ OTHER _____
2. COLOR OF BACK GROUND
- ☐ MATERIAL COLOR ☒ WHITE _____
3. FITTING METHOD
- ☒ BOLTING(G) ADHESIVE ☐ OTHER _____
(T01,T04) (T05,T08)
4. MATERIAL
- ☐ SUS ☒ LAMINTE

AS BUILT

[illegible]

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Notes: 1. All dimensions are in millimetres and all levels in metres PWD unless shown otherwise. 2.	
DRAWING SCALE Not in Scale	ORIGINAL DRAWING A3 - 420x297
DRAWING No. E-VP-E-013	REV.

H

[illegible]

	1	2	3	4	5	6	7	8	9	10	11	12
A												
B												
C												
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H												

PANEL NAME : LOP FOR DRYING BED PUMP (2P03A)/(2P03B)

NO.	DESCRIPTION	Q'TY	TYPE	REMARK
1	DRYING BED PUMP (LOP-2P03A)	1	T01	
2	DRYING BED PUMP (LOP-2P03B)	1	T01	
3	LOCAL/MCC	1	T08	
4	RUN	1	T08	
5	STOP	1	T08	
6	FAULT/RESET	1	T08	

PANEL NAME : MOP FOR SUMP PUMP(MOP-2P04A/B)

NO.	DESCRIPTION	Q'TY	TYPE	REMARK
1	IRP#1 SUMP PUMP (MOP-2P04A/B)	1	T01	
2	LOCAL/MCC	1	T08	
3	RUN	1	T08	
4	STOP	1	T08	
5	FAULT/RESET	1	T08	

PANEL NAME : LV INCOMING PANEL (LV-301)/(LV-302)

NO.	DESCRIPTION	Q'TY	TYPE	REMARK
1	LV INCOMING PANEL (LV-301)	2	T01	
2	LV INCOMING PANEL (LV-302)	2	T01	
3	DIGITAL METER	1	T04	
4	APFC	1	T04	
5	PTT	1	T04	
6	CTT	1	T04	
7	UVR	1	T04	
8	NO.1 CONDENSER BANK	1	T04	
9	NO.2 CONDENSER BANK	1	T04	
10	NO.3 CONDENSER BANK	1	T04	
11	NO.4 CONDENSER BANK	1	T04	
12	RESET/B.Z STOP	1	T08	
13	OPEN	1	T08	
14	CLOSE	1	T08	
15	LAMP TEST	1	T08	
16	ON	1	T08	

PANEL NAME : LOW VOLTAGE PANEL(LV-301)

NO.	DESCRIPTION	Q'TY	TYPE	REMARK
17	OFF	1	T08	
18	OVER LOAD	1	T08	
19	ELD	1	T04	
20	APFC	1	T04	

PANEL NAME : LOW VOLTAGE PANEL(LV-302)

NO.	DESCRIPTION	Q'TY	TYPE	REMARK
1	LV-302 LOW VOLTAGE PANEL	2	T01	
2	ATS CONTROLLER	1	T04	
3				
4				
5				
6				
7				

PANEL NAME : AIR BLOWER PANEL(ABP-301A/B)

NO.	DESCRIPTION	Q'TY	TYPE	REMARK
1	ABP-301A/B AIR BLOWER STARTER(VFD)PANEL	4	T01	
2	ANNUNCIATOR LAMP	2	T04	
3	INVERTER	2	T04	
4	MCC/PLC	2	T08	
5	RUN	2	T08	
6	STOP	2	T08	
7	FAULT/RESET	2	T08	
8	LAMP TEST	2	T08	
9				
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13				
14				
15				
16				

AS BUILT

Rev

Description

Drawn

Checked

Approved

Date

CONSULTANTS



Hankuk Engineering Consultants
H.E.C



SUNG JI Engineering



Institute of Water Medelling

CLIENT



DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY

CONTRACTOR



HYUNDAI ROTEM COMPANY

Notes:

1. All dimenstons are in millimetres and all levels in metres PWD unless shown otherwise.

2.

DRAWING SCALE

Not in Scale

ORIGINAL DRAWING SIZE

A3 - 420x297

DRAWING No.

E-VP-E-016

REV.

PROJECT

Well Field Construction Project at Tetulzhora-Bhakurta Area of Savar Upazilla(Part-1)

TITLE

NAME PLATE LIST 5/6

STATUS

FOR APPROVAL

DESIGNED

KH,Yook

DRAWN

GS, Hwang

CHECKED

IY, Ryu

APPROVED BY

DATE

March, 10, 2017

DATE

March, 10, 2017

DATE

March, 10, 2017

DATE

[illegible]

A

B

C

D

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H

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BILL OF MATERIAL LIST																																														
NO	DESIGN	SPECIFICATION	TYPE	MAKER	OGR																		DTW		IRPW1					IRPW2					Q'TY	REMARK'S										
					IRVP-401	IRVP-402	LVSP-401	LVSP-402	GEIP-401-402	DPSP-401	DPSP-402	DPSP-403	DPSP-404	DPSP-405	DPSP-406	IVSP-401	IVSP-402	LVBT-01	LOP-4P01-06 (DB Pump)	LVDP-401	LVDP-402	MCC-402	LOP-4P02(A/B) (Sump Pump)	LOP-4S02(A/B) (Fan)	LOP-4S02(A/B) (Fan)	LVH-401	LV-101-146	PWP-101-146	MCC-201	ADP-201AB	LOP-2P01(A/B) (Air Blower)	LOP-2P01(A/B) (Backwash P.F.)	LOP-2P02(A/B) (Drying Bed P.F.)	LV-301			LV-302	MCC-301	ADP-301AB	LOP-3S01(A/B) (Air Blower)	LOP-3P01(A/B) (Backwash P.F.)	LOP-3P02(A/B) (Drying Bed P.F.)				
1	VCB	12KV/630A 25KA 520MVA	KVAF-3625M	VITZROTECH	1	1																																				2				
2	ACB	4P,AC 400V, 50Hz, 2000A	VAB S20204NAE0D1 17 KL	VITZROTECH			1	1	2																																		4			
3	ACB	4P,AC 400V, 50Hz, 630A (W/OCR,OCGR)	VAB S20064NA56A2 17 KL	VITZROTECH																					46								1									47				
	ACB	3P,AC 400V, 50Hz, 1000A	VAB S20109NAE0D1 17 KL	VITZROTECH											1																											1				
4	ATS	4P 400A 12KA	64WNB(ACK)	VITZROTECH																					46									1								47				
5	Digital Protection & Monitoring	OCR, OCGR, OVR, UVR, OVR, SGR, POR	GEPAM-113F1	LS	1	1	1	1	2																																		6			
6	Digital Power Meter	V,A, KW, Phase, Wh, Hz, PF	GEMAC+	LS																				46									1									47				
7	INVERTER	3P,AC 400V, 50Hz, 55KW	ATV68D55N4	Schneider																					46																	46				
8	INVERTER	3P,AC 400V, 50Hz, 75KW	ATV68D75N4	Schneider																								2						2								4				
9	INVERTER	3P,AC 400V, 50Hz, 315kW	ATV68C31N4	Schneider										1	1																												2			
10	MCCB	800AF/800AT	ABS800c	LS						1	1	1	1	1	1	1	1	1																										8		
11	MCCB	4P 400AF/300AT	ABS404c	LS														1									1								1	1								4		
12	MCCB	3P 250AF/175AT	ABS203c	LS																				46	46	2	2								2	2								100		
13	MCCB	3P 250AF/100AT	ABS203c	LS			1	1																																				2		
14	MCCB	4P 250AF/175AT	ABS204c	LS														1	1																									2		
15	MCCB	4P 250AF/150AT	ABS204c	LS																		1																						1		
16	MCCB	4P 125AF/100AT	ABS104c	LS														1	2													1												4		
17	MCCB	3P 125AF/100AT	ABS103c	LS														-																									-			
18	MCCB	3P 125AF/75AT	ABS103c	LS																						2									2									4		
19	MCCB	4P 50AF/50AT	ABS54c	LS														2	2	3					184		3						5	3										202		
20	MCCB	4P 50AF/30AT	ABS54c	LS														2																										2		
21	MCCB	3P 50AF/50AT	ABS53c	LS														2	3	-					92		2							2										101		
22	MCCB	3P 50AF/15AT	ABS53c	LS																						1								1										2		
23	MCCB	3P 50AF/10AT	ABS53c	LS																						8								8										16		
	MCCB	4P 50AF/30AT	ABS54c																	1					4									4									9			
24	MCCB	3P 50AF/30AT	ABS53c	LS														3	3	1																								7		
25	MCCB	3P 50AF/15AT	ABS53c	LS																						16									1									18		
26	MCCB	3P 50AF/10AT	ABS53c	LS																						6																		6		
27	MCCB	4P 50AF/15AT	ABS54c	LS																						6																		14		
	MCCB	2P 50AF/50AT	ABS52c	LS														1									4							2									3			
28	MCCB	2P 50AF/30AT	ABS52c	LS																1							1								1									3		
29	MCCB	2P 50AF/10AT	ABS52c	LS	2	2	2	2	4															2			138	46	2	2				3	2	2									209	
30	MCCB	2P 50AF/5AT	ABS52c	LS	1	1	1	1	2																		92			4						4									106	
31	ELCB	4P 50AF/15AT	EB534c	LS																																								-		
32	LA	15KV/3KA	PDV-65	OHIO BRASS	-																																						-			
33	G.P.T	12KV/1000V-3/110V-3/190 1V 200VA	NY26TF	KYONGBO	3	3																																						6		
34	CURRENT LIMIT RESISTOR	25Ω	CLR	KYONGBO	1	1																																						2		
35	G.P.T	1.15 KV 400V-3/110V-3/190 100VA 1.0CL	NL2JT	KYONGBO																																								-		
36	PT	1.15 KV 400V 110 100VA 1.0CL	LL23	KYONGBO			3	3	3															3			138		3				3		3									159		
37	CT	12KV/150 5A 3P10 15VA 12.5KA Protection	WV-6R	KYONGBO	3	3																																						6		

AS BUILT

Rev	Description	Drawn	Checked	Approved	Date
AS BUILT		GS, Hwang	IY, Ryu	-	July, 25, 2017

**Hankuk Engineering Consultants**
H.E.C

**SUNG JI Engineering**

**Institute of Water Medelling**

**DHAKA WATER SUPPLY AND SEWERAGE AUTHORITY**

**HYUNDAI ROTEM COMPANY**

Notes:
1. All dimensions are in millimetres and all levels in metres PWD unless shown otherwise.
2.

DRAWING SCALE
Not in Scale

ORIGINAL DRAWING SIZE
A3 - 420x297

DRAWING No.

E-VP-E-018

REV.

PROJECT
Well Field Construction Project at Tetulzhora-Bhakurta Area of Savar Upazilla(Part-1)

TITLE
Material List for Electrical Panel Board 1/3

STATUS
FOR APPROVAL

DESIGNED
KH,Yook

DRAWN
GS, Hwang

CHECKED
IY, Ryu

APPROVED BY

DATE
March, 10, 2017

DATE
March, 10, 2017

DATE
March, 10, 2017

DATE

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