



Regd No : 2607298

Department of Mechanical
Engineering *LOG BOOK*
FLUIDS MECHANIC & HYDRAULIC
LAB.

EXECUTIVE LONG BOUND EXERCISE BOOK



Scanned with OKEN Scanner

Bernoulli's Apparatus

BERNOULLI'S THEOREM

APPARATUS

MAKES- ATMA RAM SHARMA & SONS

KW/HP- 0.87/0.5

HEAD- 6/24 M

DISCHARGE- 2000/400 LPH

Date	Start	Stop	Signature	Remarks
12/11/22	11:00 Am	11:21 Am	AMB	
	11:30 Am	11:40 Am	AMB	
	11:48 Am	12:20 pm	AMB	
	12:28 pm	12:39 pm	AMB	
	12:56 pm	1:18 pm	AMB	

9/3/23	10:05 Am	10:20 Am	AMB	
	10:28 Am	10:40 Am	AMB	
	10:51 Am	11:05 Am	AMB	
	11:13 Am	11:21 Am	AMB	
	11:28 Am	11:39 Am	AMB	
	11:45 Am	11:50 Am	AMB	

15/0/23	3:05 pm	3:10 pm	B	
	3:18 pm	3:30 pm	B	
	3:41 pm	3:52 pm	B	
	3:58 pm	4:15 pm	B	
	4:30 pm	4:37 pm	B	
	4:44 pm	4:52 pm	B	

07/12/24	10:10 Am	10:20 Am	B	
	10:35 Am	10:42 Am	B	
	10:50 Am	11:00 Am	B	
	11:10 Am	11:22 Am	B	
	11:31 Am	11:48 Am	B	
	11:50 Am	11:58 Am	B	

Signature.....

Date	start	stop		Remarks
07/12/24	12:10 PM	12:30 PM		
	12:45 PM	12:52 PM		
	12:57 PM	01:10 PM		
	01:15 PM	01:30 PM		

~~15/12/24~~

Date	Start	Stop	Sign.	Remarks
01.08.2025	11:12 AM	11:47 PM		
02.08.2025	2:45 PM	3:12 PM		

Venturimeter apparatus

VENTURIMETER

APPARATUS

MAKES - ATMA RAM SHARMA & SONS

KW/HP - 0.37/0.5

HEAD - 6/24 M.

DISCHARGE - 2000/400 LPH

16/3/23

10:00 Am

10:10 Am

10:18 Am

10:25 Am

10:51 Am

10:42 Am

10:50 Am

10:06 Am

11:10 Am

11:30 Am

11:40 Am

11:48 Am

98hr
Normal
Detected

14/9/24

10:05 Am

10:10:30 Am

10:40 Am

10:55 Am

11:05 Am

11:18 Am

11:30 Am

11:50 Am

12:10 Pm

12:25 Pm

12:40 Pm

12:59 Pm

01:10 Pm

01:20 Pm

01:30 Pm

01:38 Pm

98hr

14/9/24

10:30 Am

10:50 Am

11:05 Am

11:15 Am

11:25 Am

11:35 Am

11:50 Am

12:20 Pm

12:30 Pm

12:45 Pm

01:05 Pm

01:10 Pm

98hr

Signature.....



Date.

Start

Stop

Remarks

28/9/24

10:07 AM

10:20 AM

P

10:27 AM

10:40 AM

P

10:52 AM

11:08 AM

P

QPR

11:30 AM

11:40 AM

P

preparing

12:00 AM

12:20 PM

P

not work

Date

Start

Stop

Signature

Remarks

08.08.2025

11:15 AM

11:40 AM

P

QPR

16.08.2025

2:40 PM

3:15 PM

P

QPR

22.08.2025

11:00 AM

11:30 AM

P

QPR

Orifice meter.

ORIFICE METER

MAKES - ATMA RAM SHARMA & SONS

KW/HP - 0.37/0.5

HEAD - 6/24 M.

DISCHARGE - 2000/400 LPH

Date

Start
timeStop
time

Page No. 22
Date
Signature

Remarks

20/3/23

8:15 PM

8:20 PM

P

8:28 PM

8:33 PM

P

8:38 PM

8:48 PM

P

8:59 PM

9:10 PM

P

9:10 PM

9:20 PM

9:31 PM

P

9:42 PM

9:53 PM

P

Normal
School

5/10/24

10:20 AM

10:31 AM

P

10:45 AM

11:00 AM

P

11:05 AM

11:20 AM

P

11:40 AM

12:00 AM

P

9:10 PM

12:30 AM

12:51 AM

P

12/10/24

10:21 AM

10:27 AM

P

10:40 AM

11:05 AM

P

11:10 AM

11:31 AM

P

12:00 PM

12:30 PM

P

12:30 PM

12:50 PM

P

9:10 PM

01:10 PM

01:20 PM

P

10/10/24

10:05 AM

10:25 AM

P

10:35 AM

10:50 AM

P

10:59 AM

11:20 AM

P

11:30 AM

11:50 AM

P

9:10 PM

12:10 PM

12:30 PM

P

12:40 PM

01:11 PM

P

Refers
not
working

Signature.....



Pelton wheel turbine (5 HP)

PELTON WHEEL TURBINE (5 HP)

MAKES- ATMA RAM SHARMA & SONS

RATED SUPPLY HEAD - 23-25 METERS

DISCHARGE - 500 L/min

RATED SPEED - 1000 - 2000 RPM

RUNNER OUTSIDE DIA. - 160 MM

NO. OF RUNNER BLADES - 18

BREAK DRUM DIA. - 300 MM

Date	Start	Stop	Signature	Remarks
26/10/24	10:06 Am	10:16 Am	B	
	10:20 Am	10:30 Am	B	
	10:38 Am	10:45 Am	B	
	10:55 Am	11:15 Am	B	98hr
	11:28 Am	11:32 Am	B	Normal Debris

02/11/24	10:28 Am	10:58 Am	B	
	11:10 Am	11:30 Am	B	
	12:00 pm	12:10 pm	B	
	12:30 pm	01:00 pm	B	98hr
	01:10 pm	01:15 pm	B	
	01:25 pm	01:30 pm	B	

09/11/24	10:20 Am	10:40 Am	B	
	10:50 Am	10:50 Am	B	
	11:20 Am	11:35 Am	B	
	11:50 Am	11:10 pm	B	98hr
	12:20 pm	12:31 pm	B	
	12:40 pm	12:58 pm	B	Probedy
	01:10 pm	01:30 pm	B	not working

Date	Start Time	Stop Time	Signature	Remarks
13.09.25	10: Am	1:40 pm	B	B
19.09.25	2:45 pm	3:50 pm	B	B
23.09.25	3:30 pm	5:20 pm	B	B

Signature.....

Kaplan ~~Water~~ Turbine (5HP)

KAPLAN TURBINE (5HP)

MAKES - ATMA R&M & SHARM & SONS

RATED SUPPLY HEAD - 25-40 METERS

RATED SPEED - 1000-2000 RPM

RUNNER OUTSIDE DIA. - 160 MM

NO. OF RUNNER BLADE - 4

BREAK DRUM DIA. - 300 MM

Date - 12.09.2023

Stand	Stop	Sign.
2. 20 PM	2. 40 PM	☒
2. 45 PM	2. 55 PM	☒
3. 00 PM	3. 15 PM	☒
3. 20 PM	2. 30 PM	☒
3. 35 PM	3. 45 PM	☒

Date - 14.11.2023

Stand	Stop	Sign.	Remarks
11.55 AM	12.10 PM	☒	
12. 15 PM	12. 25 PM	☒	
12. 35 PM	12. 45 PM	☒	
12. 55 PM	1. 05 PM	☒	
1. 15 PM	1. 30 PM	☒	
1. 35 PM	1. 40 PM	☒	

16/11/24

10:05 AM	10:20 AM	☒
10:30 AM	10:35 AM	☒
10:41 AM	10:58 AM	☒
10:55 AM	11:40 AM	☒
12:10 PM	12:40 PM	☒
01:10 PM	01:20 PM	☒

30/11/24

10:20 AM	10:35 AM	☒
10:45 AM	10:55 AM	☒
11:10 AM	11:25 AM	☒
11:35 AM	11:50 AM	☒
12:1 PM	12:30 PM	☒
12:50 PM	12:59 PM	☒

Professory
mt
work

Signature.....