



Uttarakhand Project Development And Construction

उत्तराखण्ड परियोजना विकास एवं निर्माण निगम लिमिटेड

Damuadhunga, Kathgodam (Nainital)

दमुवाढुंगा, काठगोदाम(नैनीताल)

NOTICE - INVITATION FOR QUOTATIONS

Ref - 53 /PM-1/Quotation/2026-27

Date- 29/05/2026

Subject:- Invitation of Quotations for carrying out Instrumentation work for Jamrani Dam Multipurpose Project.

Uttarakhand Project Development and Construction Corporation (UPDCC) is constructing a 150.60 meters high RCC dam on Gola River upstream of existing Gola barrage, located about 10 Km upstream of Kathgodam in Nainital district of Uttarakhand. Proper installation and functioning of instrumentation systems are essential for monitoring the stability and behaviour of the construction activities. Sealed quotations are hereby invited from eligible firms for carrying out the Instrumentation related works in Dam Construction as per items detailed below.

S.No	Item Description	Unit	Approximate quantity	Unit Rate (INR)
1	Joint Meter-3D Range : 0-50 mm	Nos.	43	
2	Automatic Weather Station	No.	1	
3	Strong Motion Accelerometer	No.	5	
4	TiltMeters Sensor : Biaxial Range : $\pm 15^\circ$	Nos.	3	
5	Multipoint Bore Hole Extensometers Range : 0- 50mm	Nos.	20	
6	Data Acquisition system including Data logger and Readouy unit	No	1	
7	Normal Plumb Line	No.	1	
8	Invert Plumb Line	No.	1	
9	Pore Pressure Meters (Piezometers)	Nos.	42	
10	Stress Meter	Nos.	20	
11	Uplift Pressure meter	Nos		
12	Strain Meter – GRP of 5	Nos.	20	
13	No Stress Strain Meter	Nos.	20	
14	Vibrating Wire Uplift Pressure Meters	Nos.	20	
15	Temperature Meter Range : -10° to $+ 80^\circ\text{C}$	Nos.	65	
16	Thermocouple	Nos.	248	
17	Deputation of Instrumentation Engineer Team for installation, monitoring, interpretation and submission of report in required format including mobilization			

Office Address: Office of Project Manager-I, Jamrani Drinking Water Multipurpose Project
PIU (UPDCC), Gola Sinchai Colony, Damuadhunga, Kathgodam (Nainital) -
263136



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दमुवाढुंगा, काठगोदाम(नैनीताल)

	and charges of total station with surveyor & helper as complete job and vehicle for site transportation etc. complete.			
	For First Year	Per Month	12	
	For Second Year	Per Month	12	
	For Third Year	Per Month	12	
	For Fourth Year	Per Month	12	
18	Providing and fixing of Bi-Reflex Target (For Monitoring surface and underground movement) including drilling & other miscellaneous activities required to install at various locations and protection of instrument etc. complete.	Nos	300	
19	Providing and Fixing of Rock Bolt Load Cell (Required for measuring the load or stress in rock bolts used to stabilize structures) including drilling & other miscellaneous activities required to install at various locations and protection of instrument etc. complete	Nos	40	
20	Providing and fixing of V-notch including drilling & other miscellaneous activities required to install at various locations and protection of instrument etc. complete.	Nos	50	
21	Automatic Seepage Measurement Devices	Nos	8	
22	Automatic Water Level Recorder (Radar Type)	Nos	1	
23	Inclinometer on slopes for monitoring	Nos	5	
24	Providing and placing of Cable splicing installation kit 4 core at different location required etc. complete	RM	1000	
25	6 Core Cable	RM	1000	
26	10 Core Cable	RM	1000	
27	20 Core Cable	RM	1000	
28	40 Core Cable	RM	1000	

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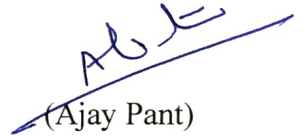
Damuadhunga, Kathgodam (Nainital)

दमुवाढुंगा, काठगोदाम(नैनीताल)

The Dam Contractor is already mobilized at site and is presently carrying out instrumentation works for the Diversion Tunnel (DT) as well as the excavated dam slopes. The Contractor shall install approximately 150 BRTs, 25 load cells, and other associated instruments prior to the engagement of the specialized Instrumentation Contractor. Monitoring of the instruments already installed by Dam Contractor shall subsequently be undertaken by the Instrumentation Contractor.

Instruments should be as per relevant IS Conditions, as applicable on our project. All civil, mechanical, and electrical works required for the installation of instruments shall be within the scope of the Instrumentation Contractor. The responsibility of the Department shall be limited to providing necessary inter-contractor coordination and support to the contractor. The quoted rates for all items shall be inclusive of supply at site, installation, drilling, and all other incidental and miscellaneous activities required for proper installation at various locations, including protection of instruments, complete in all respects. A sample drawing is enclosed for reference purposes only. The installation of instruments shall be carried out in accordance with the progress of concreting works. The Dam Contract is scheduled for completion by June 2029.

The quotations must be submitted on or before 6th June 2026, by 3:00 PM via submission in PIU Jamrani Office Damuadhunga Haldwani or in PIU email- piujamrani@gmail.com/pm04@jamranidam.com. The quoted rates must be valid for 90 days from the date of submission. Bidder may contact undersigned or Ms Shilpi Bhatt for any assistance or clarification of work.

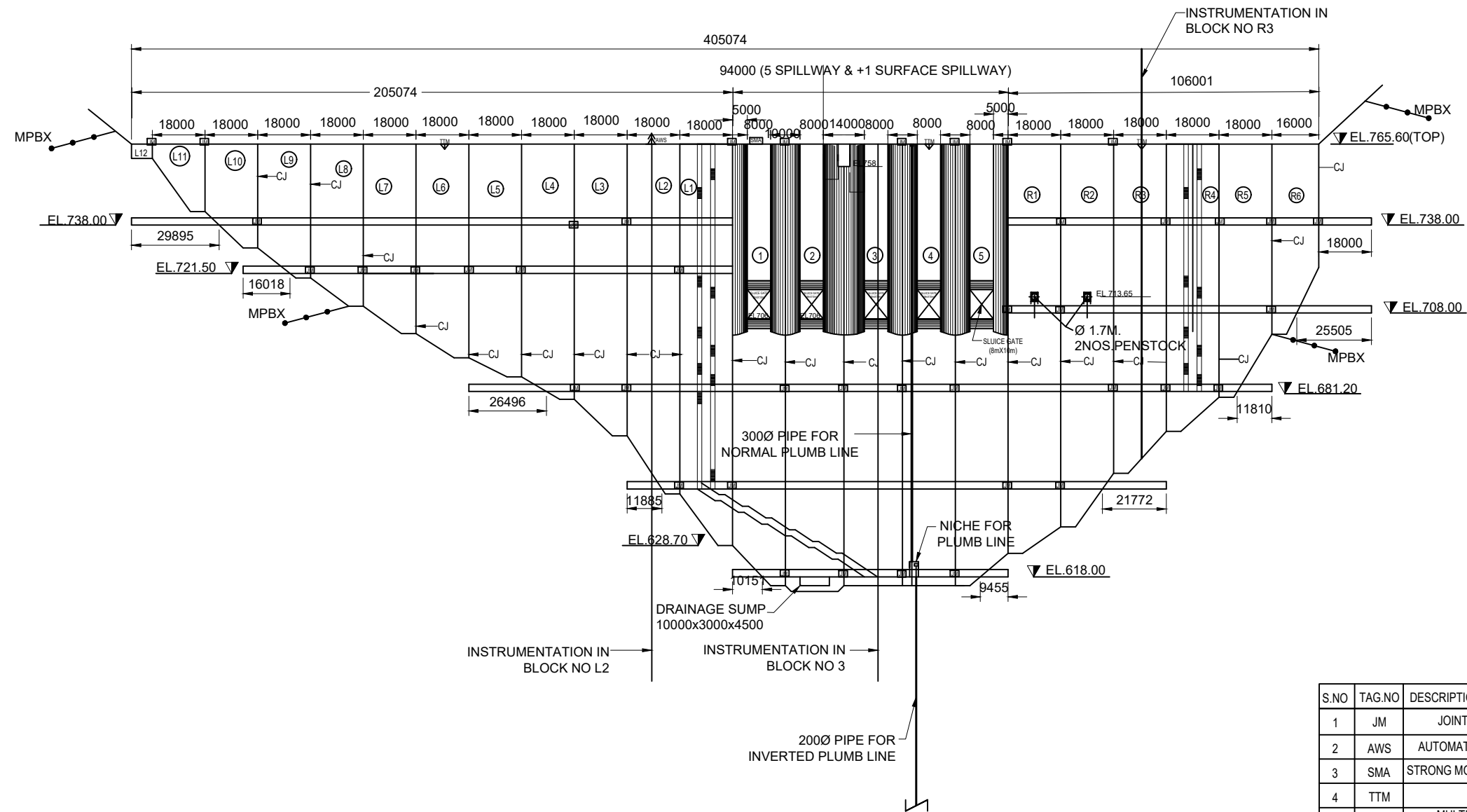

(Ajay Pant)
Project Manager-1
PIU Jamrani, Haldwani

Ref - /PM-1/Quotation/2026-27/dated as above

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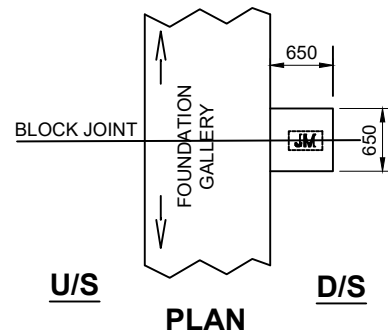
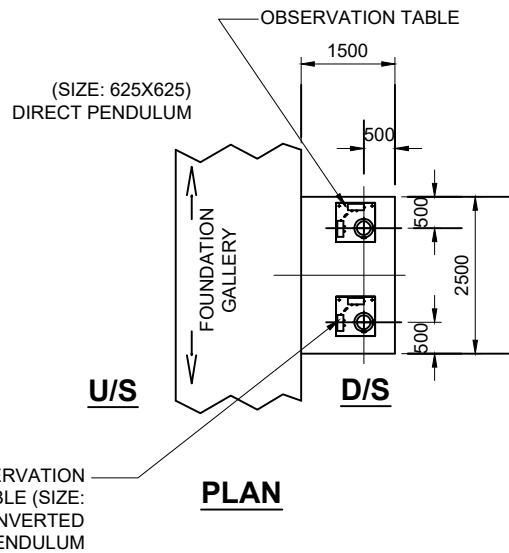
1. General Manager, PIU Jamrani
2. All Deputy General Manager, PIU Jamrani.
3. All PM, PIU Jamrani for information and necessary action
4. Ms Shilpi Bhatt, Assistant Project Manager, PIU Jamrani.
5. MD, Ehyte India (P) Limited for information and necessary action.
6. Notice Board/Jamrani Dam Website.


Project Manager-1



**INSTRUMENTATION DETAILS IN SECTIONAL ELEVATION
THROUGH GALLERY**

S.NO	TAG.NO	DESCRIPTION	LEGEND	QUANTITY
1	JM	JOINT METER-3D		43
2	AWS	AUTOMATIC WEATHER STATION		1
3	SMA	STRONG MOTION ACCELEROMETER		1
4	TTM	TILT METER		3
5	MPBX	MULTIPOINT BORE HOLE EXTENSOMETER (5,10,15 M)		4
6		DATA ACQUISITION SYSTEM		1
7		NORMAL PLUMB LINE		1
8		INVERT PLUMB LINE		1

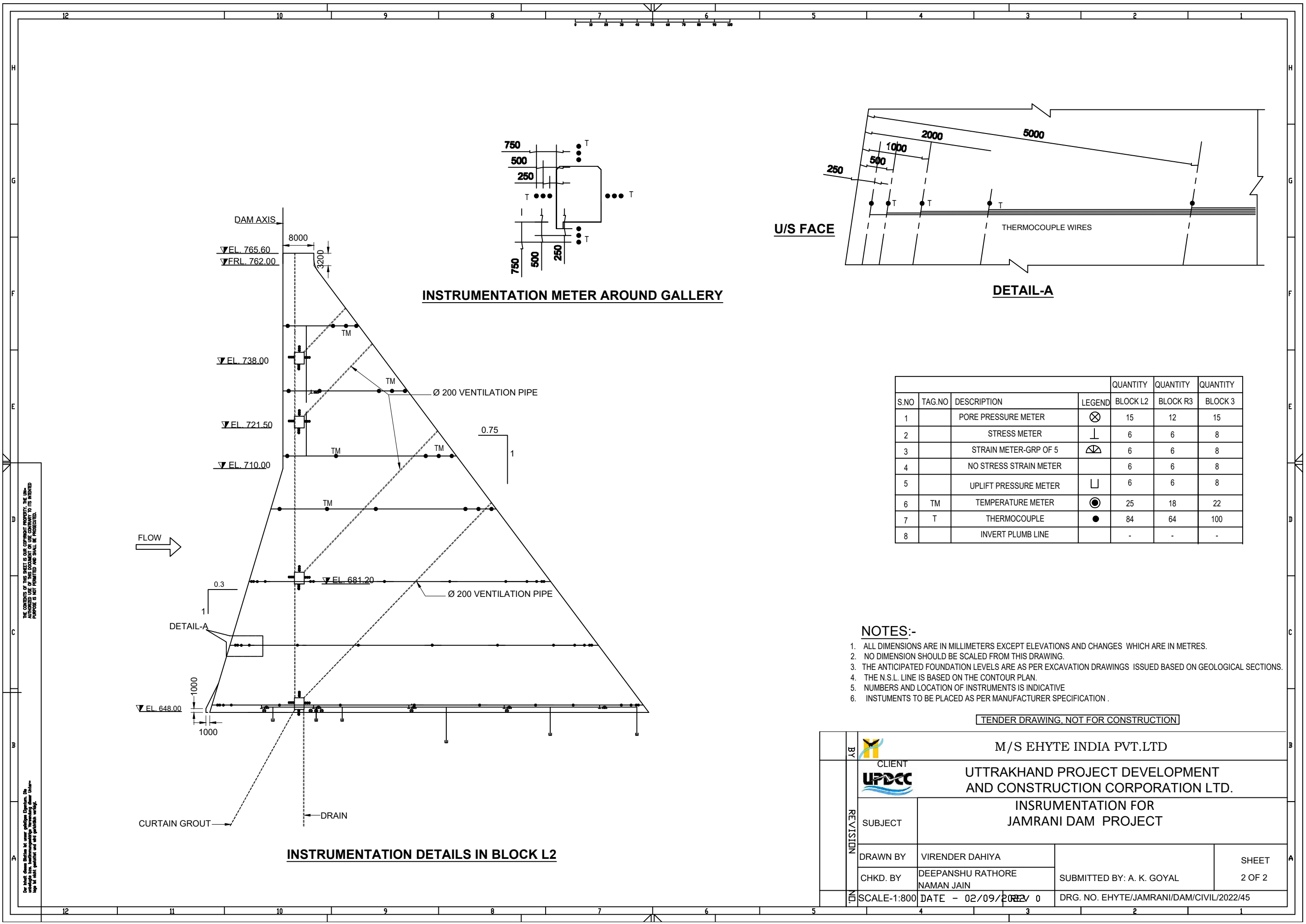


TENDER DRAWING. NOT FOR CONSTRUCTION

BY			
	M/S EHYTE INDIA PVT.LTD		
REVISION	CLIENT 		UTTRAKHAND PROJECT DEVELOPMENT AND CONSTRUCTION CORPORATION LTD.
	SUBJECT INSRUMENTATION FOR JAMRANI DAM PROJECT		
SCALE-1:1600	DATE - 02/09/2022	REV 0	SHEET 1 OF 2
	DRAWN BY: VIRENDER DAHIYA		
CHKD. BY: DEEPANSHU RATHORE NAMAN JAIN		SUBMITTED BY: A. K. GOYAL	
DRG. NO. EHYTE/JAMRANI/DAM/CIVIL/2022/45			

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S.NO	TAG.NO	DESCRIPTION	LEGEND	QUANTITY	QUANTITY	QUANTITY
				BLOCK L2	BLOCK R3	BLOCK 3
1		PORE PRESSURE METER	⊗	15	12	15
2		STRESS METER	⊥	6	6	8
3		STRAIN METER-GRP OF 5	⊕	6	6	8
4		NO STRESS STRAIN METER		6	6	8
5		UPLIFT PRESSURE METER	⊏	6	6	8
6	TM	TEMPERATURE METER	⊙	25	18	22
7	T	THERMOCOUPLE	●	84	64	100
8		INVERT PLUMB LINE		-	-	-

NOTES:-

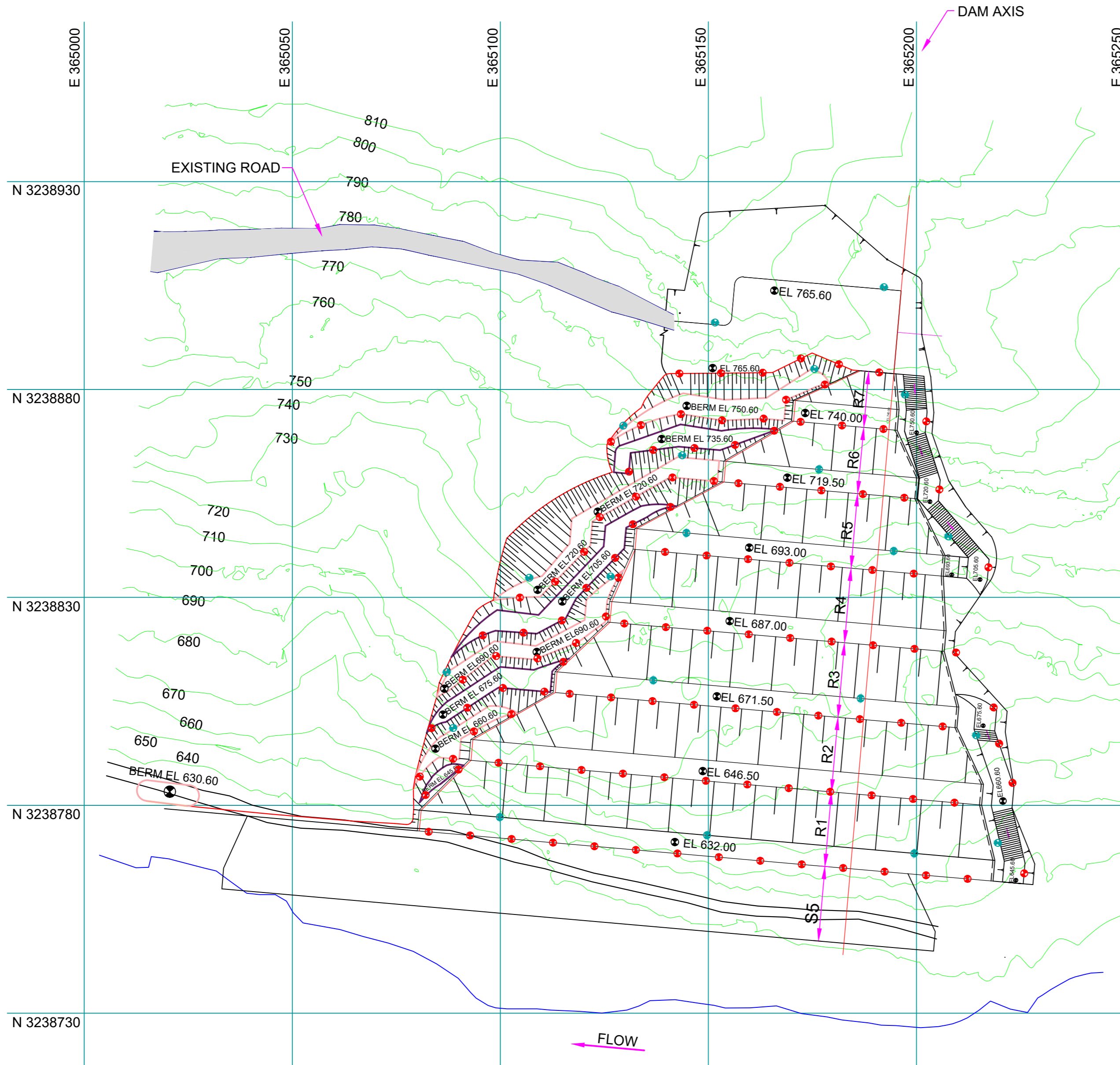
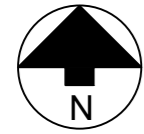
1. ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT ELEVATIONS AND CHANGES WHICH ARE IN METRES.
2. NO DIMENSION SHOULD BE SCALED FROM THIS DRAWING.
3. THE ANTICIPATED FOUNDATION LEVELS ARE AS PER EXCAVATION DRAWINGS ISSUED BASED ON GEOLOGICAL SECTIONS.
4. THE N.S.L. LINE IS BASED ON THE CONTOUR PLAN.
5. NUMBERS AND LOCATION OF INSTRUMENTS IS INDICATIVE
6. INSTRUMENTS TO BE PLACED AS PER MANUFACTURER SPECIFICATION .

TENDER DRAWING, NOT FOR CONSTRUCTION

BY	M/S EHYTE INDIA PVT.LTD		
	CLIENT		
REVISION	UTTRAKHAND PROJECT DEVELOPMENT AND CONSTRUCTION CORPORATION LTD.		
	SUBJECT		
IND	DRAWN BY	VIRENDER DAHIYA	SHEET
	CHKD. BY	DEEPANSHU RATHORE NAMAN JAIN	
SCALE-1:800		DATE - 02/09/2022	DRG. NO. EHYTE/JAMRANI/DAM/CIVIL/2022/45
		SUBMITTED BY: A. K. GOYAL	

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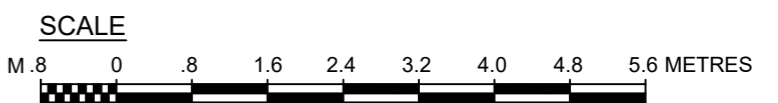


NOTE:

1. SPACING OF BI-REFLEX TARGETS IS 10M ALONG THE LENGTH OF THE BERM.
2. THE TARGETS SHALL BE INSTALLED ON THE OUTER EDGE OF THE BERM CREST WITH INSTALLATION BOLT HEIGHT 200MM ABOVE THE BERM.
3. LOAD CELL SHALL BE INSTALLED ON ROCK BOLT IN BOTTOM ROW ON EVERY ALTERNATE BERM OF THE CUT SLOPE.
4. THE LOAD CELL BE INSTALLED TOWARDS THE CENTER OF THE CUT SLOPE WITH A MINIMUM SPACING OF 50M ON EACH BENCH.
5. BRT AND LOAD CELL ADDED ON BERM EL 765.60.



LEGEND	
	BRT
	LOAD CELL



M/S EHYTE INDIA PVT.LTD

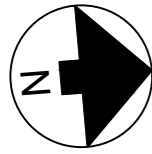


UTTRAKHAND PROJECT DEVELOPMENT AND CONSTRUCTION CORPORATION LTD.

JAMRANI DAM PROJECT

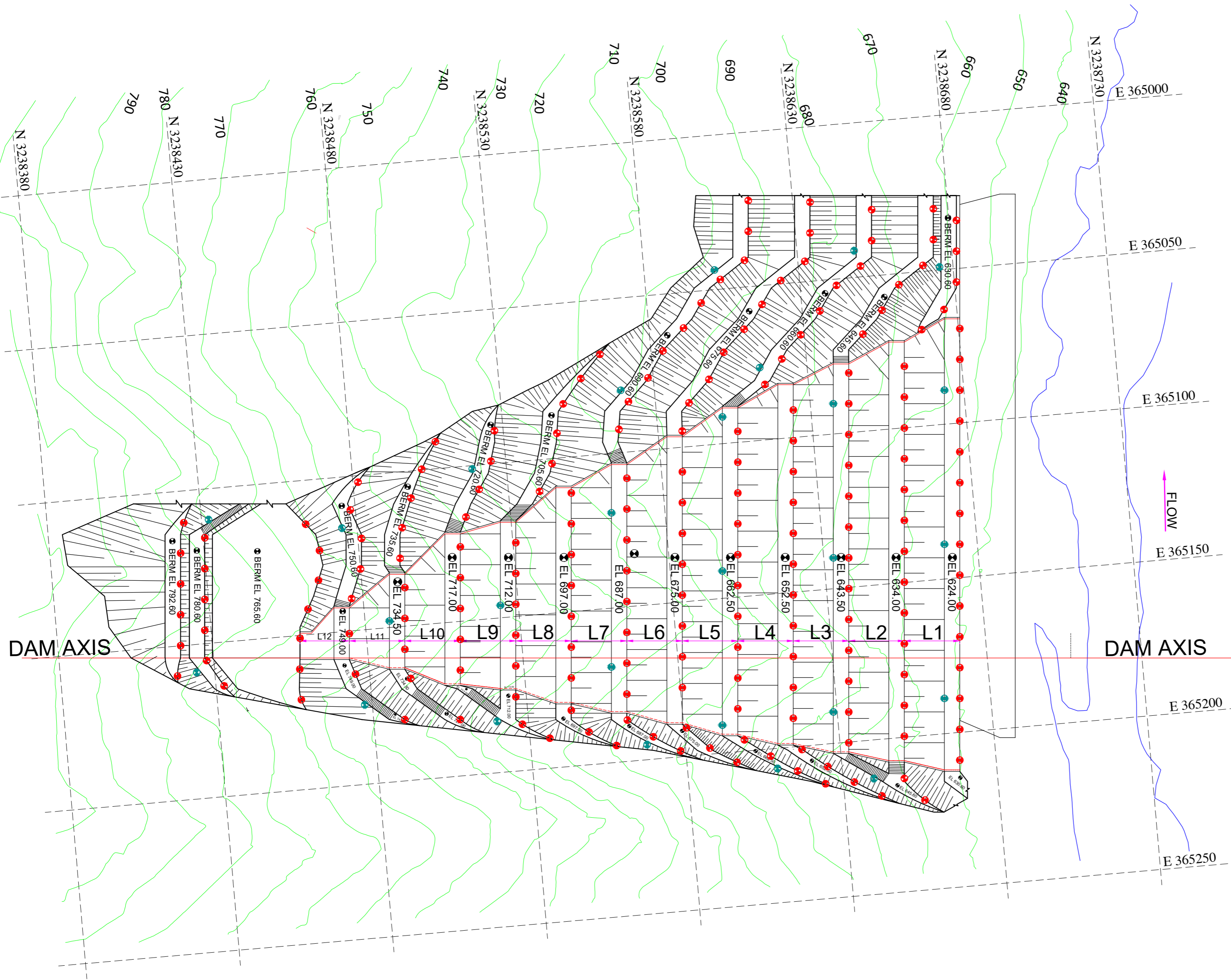
INSTRUMENTATION PLAN FOR THE CUT SLOPE ON THE RIGHT BANK AT DAM AXIS

DRAWN ASHISH		SUBMITTED ABHAY GAUR		RECOMMENDED DR. GOPAL DHAWAN
DATE 09/12/2025	DRG. NO.	EHYTE/ OEP/ JAMRANI/ DAM/ INSTR./ 2024/ 2000		REV R 1



NOTE:

1. SPACING OF BI-REFLEX TARGETS IS 10M ALONG THE LENGTH OF THE BERM.
2. THE TARGETS SHALL BE INSTALLED ON THE OUTER EDGE OF THE BERM CREST WITH INSTALLATION BOLT HEIGHT 200MM ABOVE THE BERM.
3. LOAD CELL SHALL BE INSTALLED ON ROCK BOLT IN BOTTOM ROW ON EVERY ALTERNATE BERM OF THE CUT SLOPE.
4. THE LOAD CELL BE INSTALLED TOWARDS THE CENTER OF THE CUT SLOPE WITH A MINIMUM SPACING OF 50M ON EACH BENCH.



LEGEND	
	BRT
	LOAD CELL



M/S EHYTE INDIA PVT.LTD



UTTRAKHAND PROJECT DEVELOPMENT AND CONSTRUCTION CORPORATION LTD.

JAMRANI DAM PROJECT

INSTRUMENTATION PLAN FOR THE CUT SLOPE ON THE LEFT BANK AT DAM AXIS

DRAWN ASHISH	SUBMITTED ABHAY GAUR	RECOMMENDED DR. GOPAL DHAWAN
DATE 09/12/2025	DRG. NO. EHYTE/ OEP/ MC/ JAMRANI/ DAM/ INSTR./ 2024/ 2001	REV R 0