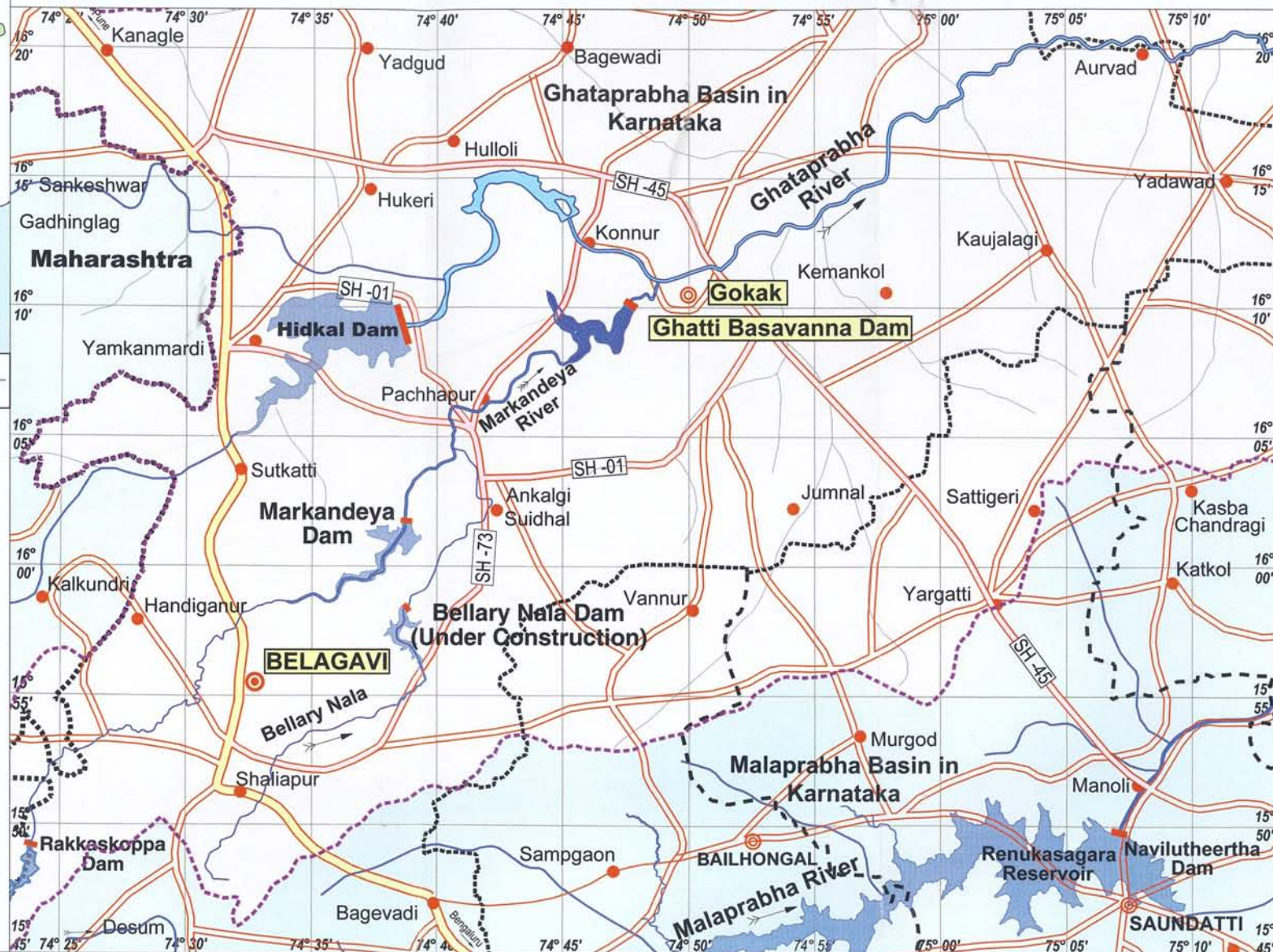




Karnataka Neeravari Nigam Limited (KNNL)

(A Govt. of Karnataka Undertaking)



OWNER

Karnataka Neeravari Nigam Limited (KNNL)

(A Govt. of Karnataka Undertaking)

Bangalore - 560 001, India.

www.knnlindia.com



Ghatti Basavanna Drinking Water Supply Project

Project drawings

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

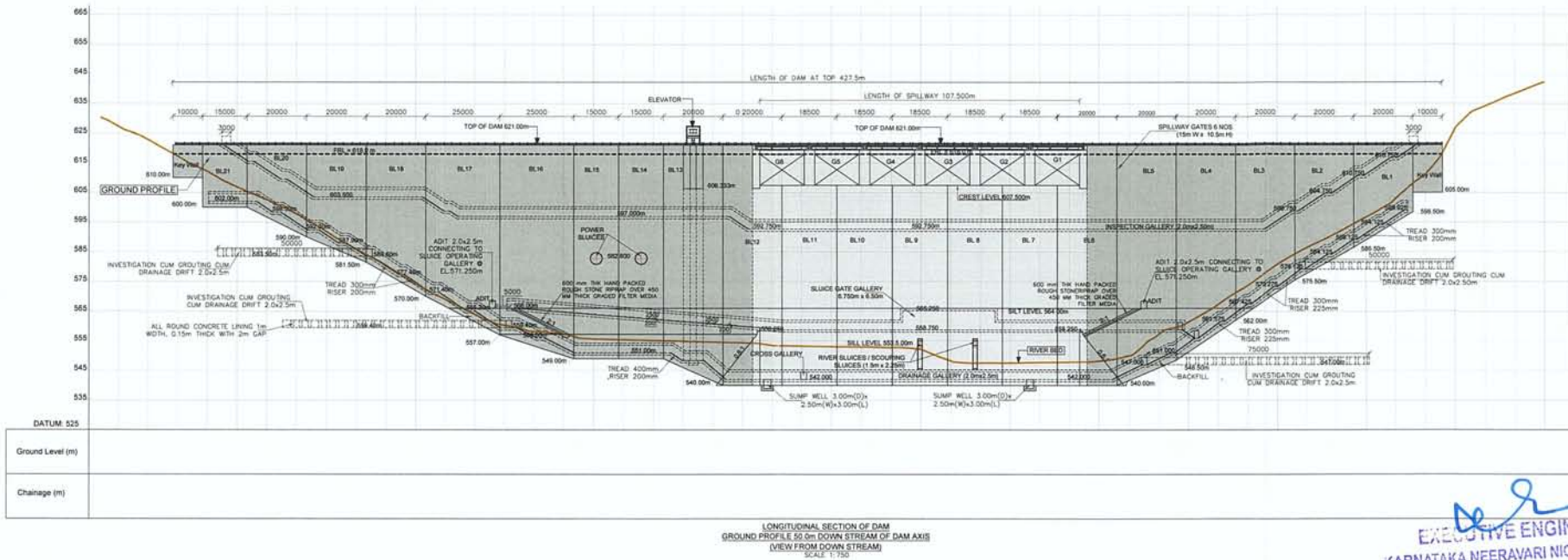
CONSULTANT

E I Technologies Pvt. Ltd.,

(ISO 9001 : 2015 Certified)

1149, 26th Main, Jayanagar 4th 'T' Block,
Bengaluru-560 041, India.
Ph. +91.80.40914714 / 40914961
info@eitech.in • www.eitech.in





EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

NOTES:-

- All dimensions are in millimeters except levels which are in meters, unless otherwise mentioned.
- Do not scale the drawing. Follow written dimensions only.
- Foundation bed for dam shall be prepared by removing all loose materials by wedging/chiseling.
- Different grades of concrete shall be done simultaneously avoiding line of separation.
- For side drains a slope not flatter than 1 in 1000 shall be provided.
- Surface reinforcement shall be provided on u/s and d/s face of the dam.
- HYSD bars of grade Fe415 shall be used for reinforcement.
- Curtain grout holes shall be of 45mm at 3000mm c/c vertical or inclined upto 10° approx. Depth of curtain grout holes from the foundation level shall be $(2h/3) + 8.0m$, where h is depth from FRL to the foundation level.

- Foundation drainage holes shall be of 75mm at 3000mm/c. Depth of the drainage holes foundation level shall be h/2, where h is depth from FRL to the foundation level.
- Grade of concrete to be used is as under:
Bridge pier
U/S & D/S of dam - m30 with 40mm downsize
Body of Dam - m20 with 40mm downsize
Shear Key - m20 with 40mm downsize
Stilling Basin - m30 with 20mm downsize
Training Wall - m30 with 40mm downsize
Guide Wall - m20 with 20mm downsize
Gallery - m30 with 20mm downsize

Ghatti Basavanna Drinking Water Supply Project

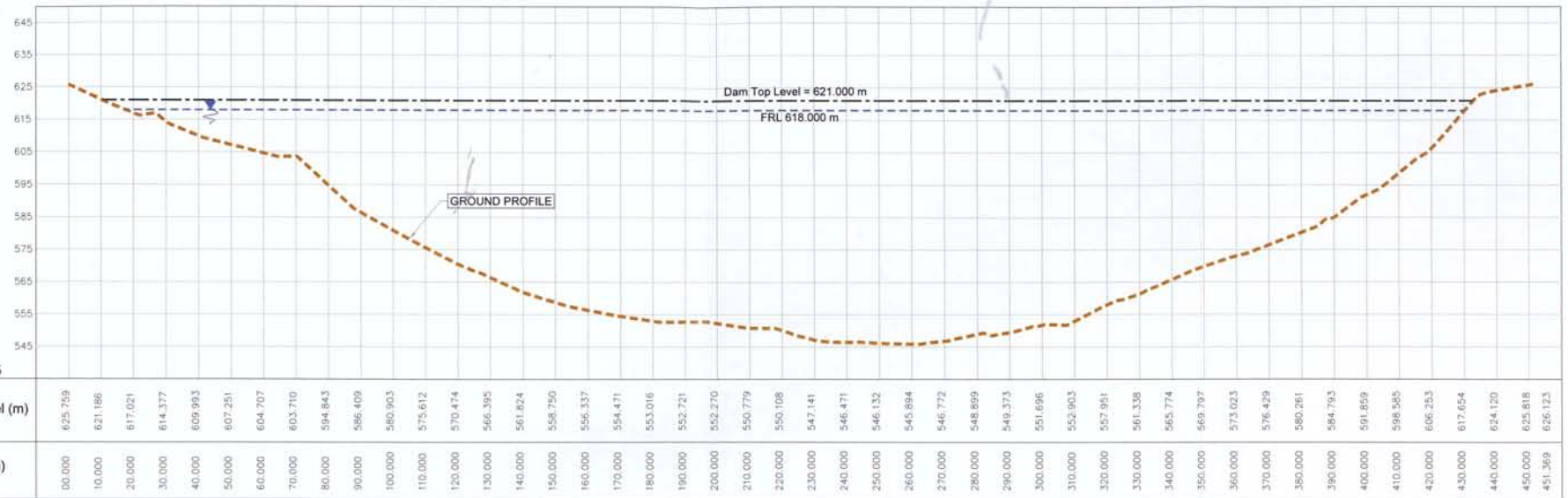
DRAWING TITLE
LONGITUDINAL SECTION OF DAM
(VIEW FROM DOWN STREAM)

Rev.	Description	Date	Drawn	Checked	Appr.	Scale	Drawing Status
1	For Approval	16.07.2020	SN	SN	SN	AS	For Approval
2	For Approval	16.07.2020	SN	SN	SN	AS	For Approval
3	For Approval	16.07.2020	SN	SN	SN	AS	For Approval
4	For Approval	16.07.2020	SN	SN	SN	AS	For Approval
5	For Approval	16.07.2020	SN	SN	SN	AS	For Approval
6	For Approval	16.07.2020	SN	SN	SN	AS	For Approval
7	For Approval	16.07.2020	SN	SN	SN	AS	For Approval
8	For Approval	16.07.2020	SN	SN	SN	AS	For Approval
9	For Approval	16.07.2020	SN	SN	SN	AS	For Approval
10	For Approval	16.07.2020	SN	SN	SN	AS	For Approval



EIT Technologies Pvt. Ltd.
(ISO 9001 : 2015 Certified)
1149, 26th Main, Jayanagar 4th 'F' Block,
Bangalore-560 041, India.
Ph: +91 80 43014714 / 43014361
info@eitech.in, www.eitech.in

Consultant, EIT Technologies Pvt. Ltd., Bangalore	Asst. Executive Engineer, KNNL DIRECT, Sri D. N. S. S., Gokak	Executive Engineer, KNNL DIRECT, Sri D. N. S. S., Gokak
Superintending Engineer, KNNL DIRECT, Gokak	Chief Engineer, KNNL, Insurance (N) Zone, Bangalore	

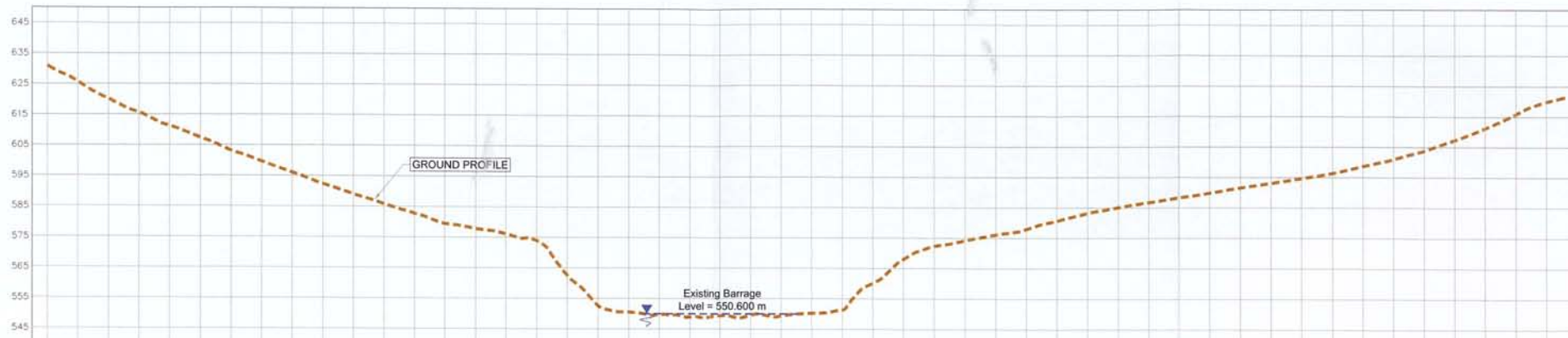


EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

NOTES:

1. All chainages and elevations are in meters.
2. Do not scale the drawing. Follow written dimensions only.

0	For Approval	15.06.2020	AB	AKN	SN	NR	DRAWING TITLE						
Rev.	Description	Date	Drw.	Dsg.	Chk.	App.	Cross Section of Markandeya River (Alternate-02)						
OWNER							Date	Drw.	Dsg.	Chk.	App.	Scale	Drawing Status
 Karnataka Neeravari Nigam Limited (KNNL). (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlindia.com							15.06.2020	AB	AKN	Chk.	SN	AS SHOWN	For Approval
							Project No.		Drawing No.		Sheet No.		Rev.
CONSULTANT							1385X	EIT-1385X-WRE-GD-RCS-A010			02 of 03	0	
 E I Technologies Pvt. Ltd., (ISO 9001 : 2015 Certified) # 1149, 26th Main, Jayanagar 4th 'T' Block, Bangalore-560 041, India. Ph.+91.80.40914714 / 40914961 info@eitech.in • www.eitech.in							Consultant,		Asst. Executive Engineer,			Executive Engineer,	
							E I Technologies Pvt. Ltd.,		KNNL,GRBCC Sub Div No.05,			KNNL,GRBCC Div No.03,	
							Bengaluru,		Gokak,			Gokak,	
Ghatti Basavanna Drinking Water Supply Project							Superintending Engineer, KNNL,GRBCC Circle, Bijapur Dist.			Chief Engineer, KNNL,Irrigation (N) Zone, Bijapur			



DATUM: 535

Ground Level (m)	630.901	625.726	620.147	615.564	611.212	607.428	603.172	599.592	596.007	592.371	589.044	585.812	582.751	579.459	577.841	576.104	573.930	562.693	552.743	550.495	549.692	548.928	549.380	549.523	549.289	550.234	551.330	560.069	567.911	572.350	574.145	576.078	577.885	580.659	583.233	585.102	586.768	588.348	589.834	591.547	593.056	594.627	596.319	598.616	600.948	603.722	607.280	611.712	615.887	619.972
Chainage (m)	00.000	10.000	20.000	30.000	40.000	50.000	60.000	70.000	80.000	90.000	100.000	110.000	120.000	130.000	140.000	150.000	160.000	170.000	180.000	190.000	200.000	210.000	220.000	230.000	240.000	250.000	260.000	270.000	280.000	290.000	300.000	310.000	320.000	330.000	340.000	350.000	360.000	370.000	380.000	390.000	400.000	410.000	420.000	430.000	440.000	450.000	460.000	470.000	480.000	490.000

CROSS SECTION OF MARKANDEYA RIVER (ALTERNATE-01)

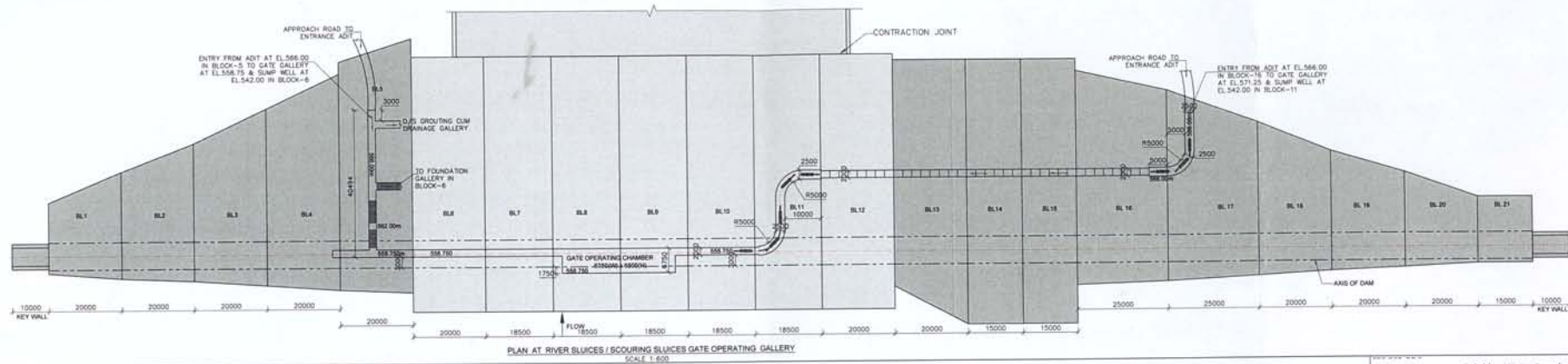
Scale Hor 1:1000
Ver 1:1000

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

NOTES :

1. All chainages and elevations are in meters.
2. Do not scale the drawing. Follow written dimensions only.

0	For Approval	15.06.2020	AB	AKN	SN	NR	DRAWING TITLE						
Rev.	Description	Date	Drw.	Dsg	Chk	App	Cross Section of Markandeya River (Alternate-01)						
OWNER							Date	Drw.	Dsg.	Chk.	App.	Scale	Drawing Status
Karnataka Neeravari Nigam Limited (KNNL) (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlindia.com							15.06.2020	AB	AKN	SN	NR	AS SHOWN	For Approval
CONSULTANT							Project No.	Drawing No.				Sheet No.	Re
E I Technologies Pvt. Ltd., (ISO 9001 : 2015 Certified) # 1149, 26th Main, Jayanagar 4th 'T' Block, Bangalore-560 041, India Ph:+91 80 40914714 / 40914961 info@eitech.in www.eitech.in							1385X	EIT-1385X-WRE-GD-RCS-A010				01 of 03	0
Ghatti Basavanna Drinking Water Supply Project							Consultant, E I Technologies Pvt. Ltd., Bangalore.	Asst. Executive Engineer, KNNL/GRBCC Sub. Div.No.05, Gokak.				Executive Engineer, KNNL/GRBCC Div.No.03, Gokak.	
							Superintending Engineer, KNNL/GRBCC Circle, Hidkol, Darg.				Chief Engineer, KNNL/Irrigation (N) Zone, Gokak.		



PLAN AT RIVER SLUICES / SCOURING SLUICES GATE OPERATING GALLERY
SCALE: 1:500

NOTES:

1. All dimensions are in millimeters except levels which are in meters, unless otherwise mentioned.
2. Do not scale the drawing. Follow written dimensions only.
3. Foundation bed for dam shall be prepared by removing all loose materials by wedging/chiseling.
4. Different grades of concrete shall be done simultaneously avoiding line of separation.
5. For side grade a slope not flatter than 1 in 1000 shall be provided.
6. Surface reinforcement shall be provided on u/s and d/s face of the dam.
7. HYSD bars of grade Fe415 shall be used for reinforcement.
8. Curtain grout holes shall be of $\phi 45\text{mm}$ at 3000mm c/c vertical or inclined upto 10° approx. Depth of curtain grout holes from the foundation level shall be $(2h/3) + 8.0\text{m}$, where h is depth from FRL to the foundation level.

9. Foundation drainage holes shall be of $\phi 75\text{mm}$ at 3000mm c/c. Depth of the drainage holes foundation level shall be $h/2$, where h is depth from FRL to the foundation level.
10. Grade of concrete to be used is as under:
Bridge pier
u/s & d/s of dam - M30 with 40mm downsize
Body of Dam - M20 with 40mm downsize
Shear Key - M20 with 40mm downsize
Sinking Basin - M30 with 20mm downsize
Tapping Well - M20 with 40mm downsize
Guide Wall - M20 with 20mm downsize
Gallery - M30 with 20mm downsize

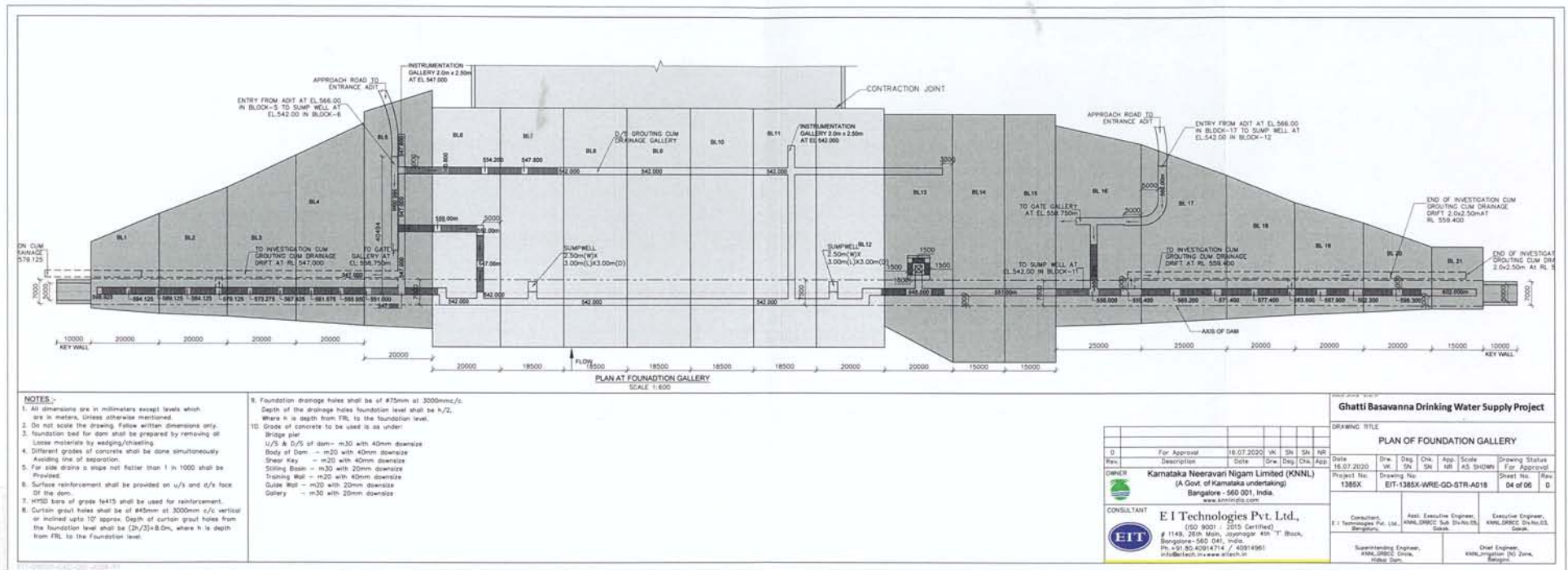
Ghatti Basavanna Drinking Water Supply Project

PLAN AT RIVER SLUICE GATE OPERATING GALLERY

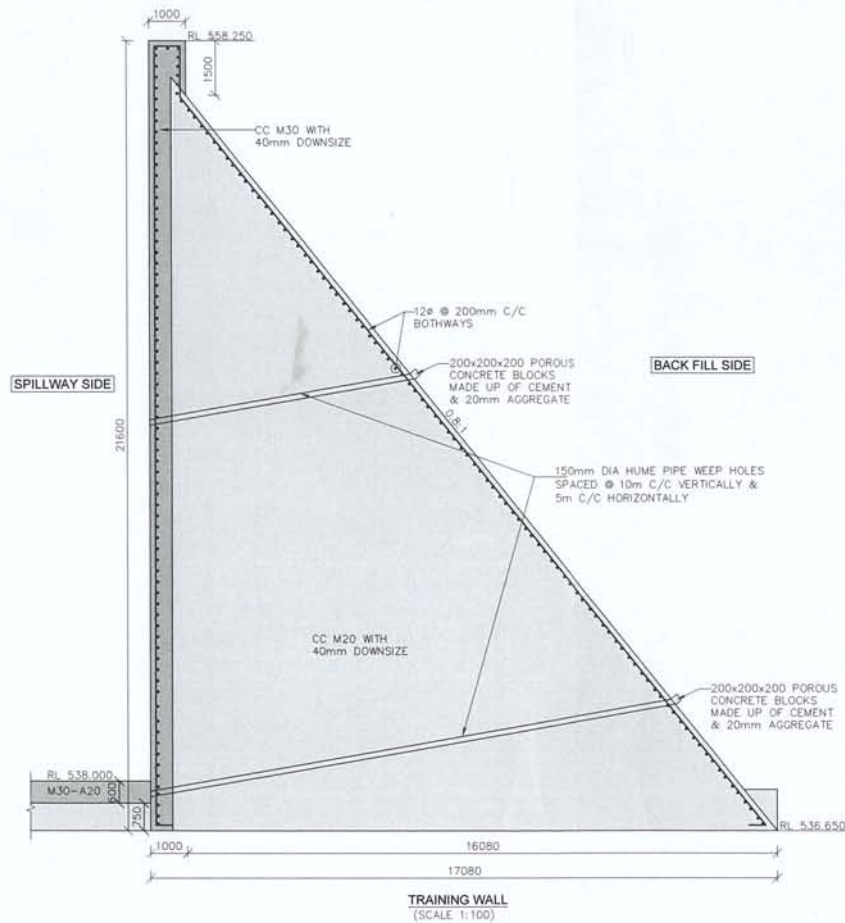
Rev.	Description	Date	Dr.	Des.	Chk.	App.	Scale	Drawing Status
0	For Approval	16.07.2020	UN	SN	SN	NR	AS 5:1000	For Approval
Karnataka Neeravari Nigam Limited (KNNL) (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlinfo.com								
E I Technologies Pvt. Ltd., (ISO 9001 : 2015 Certified) # 114B, 20th Main, Jayanagar 4th T. Block, Bangalore-560 041, India. Ph: +91 80 45914714 / 45914961 info@eitech.in / www.eitech.in								

Project No. 1385X	Drawing No. EIT-1385X-WRE-GD-STR-A016	Sheet No. 05 of 06	Rev. 0
Consultant, E I Technologies Pvt. Ltd., Bangalore.	Asst. Executive Engineer, KNNL,GRBCC Sub. Div.No.03, Gokak.	Executive Engineer, KNNL,GRBCC Div.No.03, Gokak.	Chief Engineer, KNNL,Integrated PD Zone, Bangalore.
Superintending Engineer, KNNL,GRBCC, Gokak, Hobli, Gokak.			

ser
EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK



EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK



NOTES

- 1) ALL DIMENSIONS ARE IN mm AND REDUCED LEVELS ARE IN METERS.
- 2) DRAWING SHALL NOT BE SCALED OR MEASURED.

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

Rev.	Description	Date	Drawn	Checked	Appr.
0	For Approval	15.06.2020	HSK	DM	SN

OWNER
Karnataka Neeravari Nigam Limited (KNNL)
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India.
www.knnlindia.com

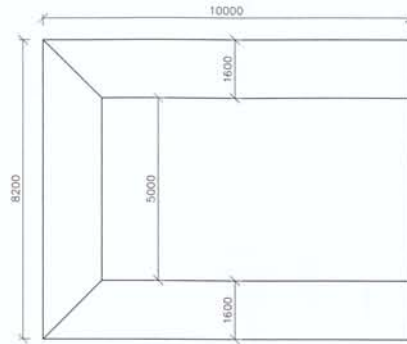
CONSULTANT
E I Technologies Pvt. Ltd.,
(ISO 9001 : 2015 Certified)
1149, 26th Main, Jayanagar 4th 'T' Block,
Bangalore-560 041, India.
Ph.+91.80.40914714 / 40914961
info@eitech.in/www.eitech.in

PROJECT TITLE
Ghatti Basavanna Drinking Water Supply Project

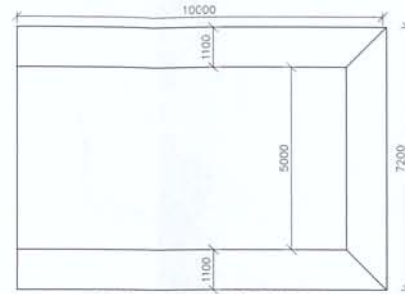
DRAWING TITLE
SECTION OF TRAINING WALL

Date	Drw.	Dsg.	Chk.	App.	Scale	Drawing Status
15.06.2020	HSK	DM	SN	NR	AS SHOWN	For Approval
Project No.	Drawing No.	Sheet No.	Rev.			
1385X	EIT-1385X-WRE-GD-STR-A026	02 of 02	0			

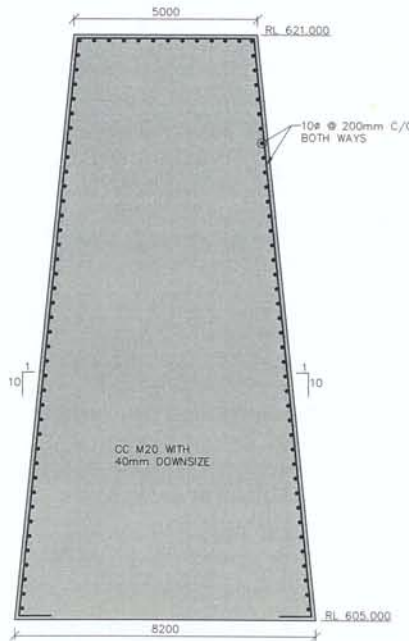
Consultant, E I Technologies Pvt. Ltd., Bangalore.	Asst. Executive Engineer, KNNL,GRBCC Sub Div.No.05, Gokak.	Executive Engineer, KNNL,GRBCC Div.No.03, Gokak.
Superintending Engineer, KNNL,GRBCC Circle, Hidkal Dam.	Chief Engineer, KNNL,Irrigation (N) Zone, Belagavi.	



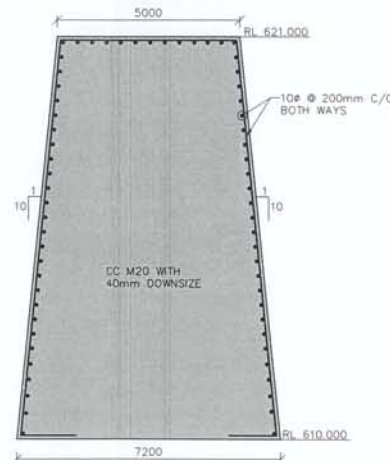
PLAN OF KEY WALL FOR LEFT BANK
(SCALE 1:100)



PLAN OF KEY WALL FOR RIGHT BANK
(SCALE 1:100)



SECTION OF KEY WALL FOR LEFT BANK
(SCALE 1:100)



SECTION OF KEY WALL FOR RIGHT BANK
(SCALE 1:100)

NOTES

- 1) ALL DIMENSIONS ARE IN mm AND REDUCED LEVELS ARE IN METERS.
- 2) DRAWING SHALL NOT BE SCALED OR MEASURED.


EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

Rev.	Description	Date	Drw.	Dsg.	Chk.	App.
0	For Approval	15.06.2020	HSK	DM	SN	NR

OWNER
 **Karnataka Neeravari Nigam Limited (KNNL)**
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India.
www.knnlindia.com

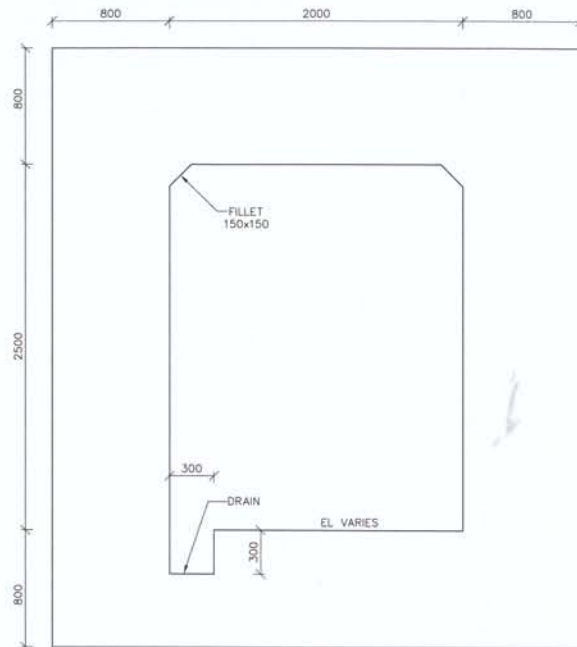
CONSULTANT
 **E I Technologies Pvt. Ltd.,**
(ISO 9001 : 2015 Certified)
1149, 26th Main, Jayanagar 4th 'T' Block,
Bangalore-560 041, India.
Ph. +91 80 40914714 / 40914961
info@eitech.in www.eitech.in

PROJECT TITLE
Ghatti Basavanna Drinking Water Supply Project

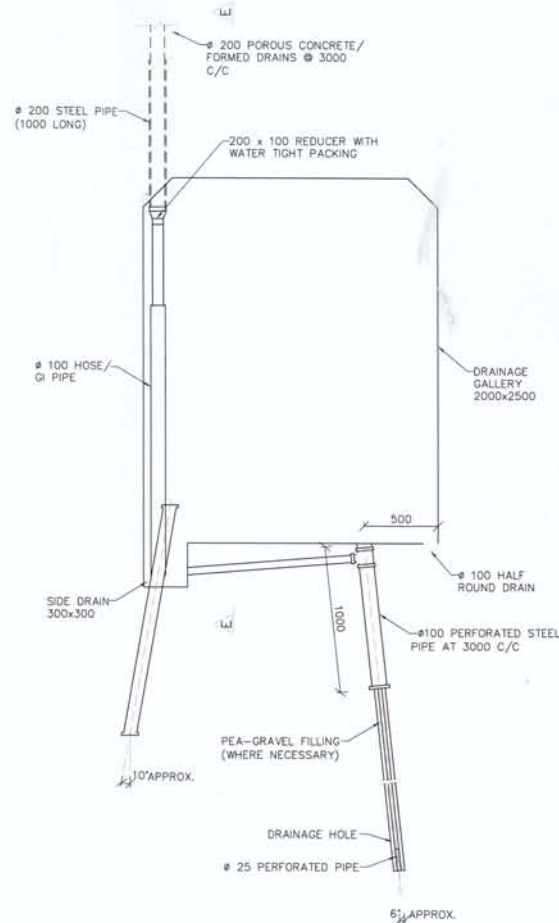
DRAWING TITLE
SECTIONS AND PLANS OF KEY WALLS

Date	Drw.	Dsg.	Chk.	App.	Scale	Drawing Status
15.06.2020	HSK	DM	SN	NR	AS SHOWN	For Approval
Project No.	Drawing No.	Sheet No.	Rev.			
1385X	EIT-1385X-WRE-GD-STR-A026	01 of 02	0			

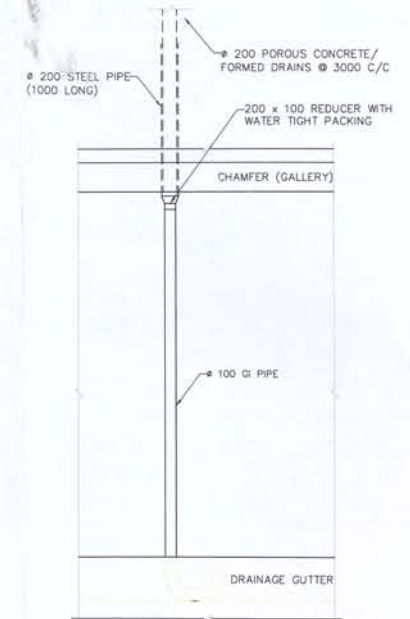
Consultant, E I Technologies Pvt. Ltd., Bangalore.	Asst. Executive Engineer, KNNL GRBCC Sub Div.No.05, Gokak.	Executive Engineer, KNNL GRBCC Div.No.03, Gokak.
Superintending Engineer, KNNL GRBCC Circle, Hidkote Dam.	Chief Engineer, KNNL Irrigation (N) Zone, Belagavi.	



CROSS SECTION OF DRAINAGE GALLERY
(SCALE 1:25)



CROSS SECTION OF DRAINAGE GALLERY SHOWING CURTAIN GROUTING & DRAIN HOLES
(SCALE 1:25)



VIEW E-E
(SCALE 1:25)

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. 3, GOKAK

NOTES

- 1) ALL DIMENSIONS ARE IN mm.
- 2) DRAWING SHALL NOT BE SCALED OR MEASURED.
- 3) CODE REFERRED IS 12966 - PART-2-1999, CODE OF PRACTICE FOR GALLERIES AND OTHER OPENINGS IN DAMS.
- 4) HYSD BARS OF GRADE FE415 SHALL BE USED FOR REINFORCEMENT.
- 5) CLEAR COVER TO THE STEEL REINFORCEMENT FOR THE GALLERY AND ADIT IS 150mm.

PROJECT TITLE

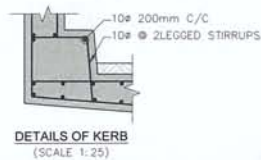
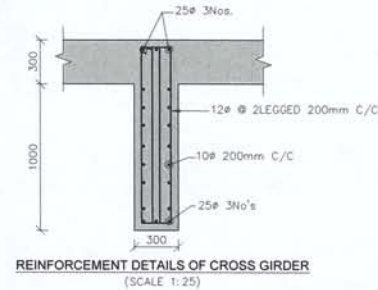
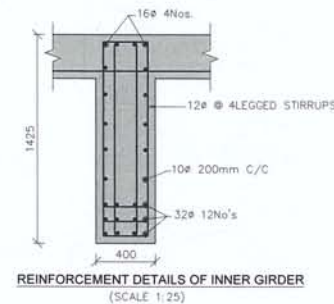
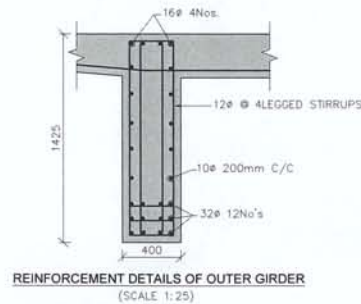
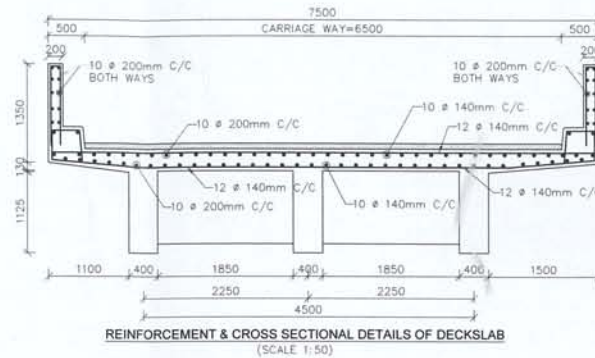
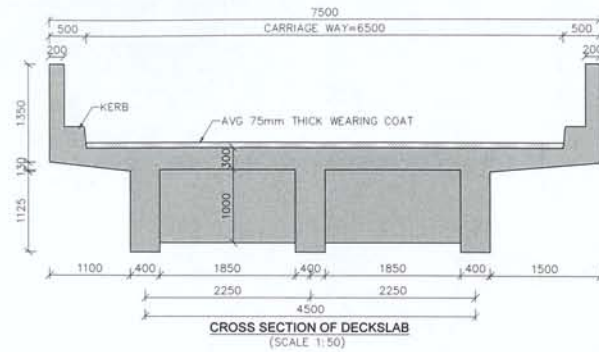
Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE

FOUNDATION DRAINAGE GALLERY

Rev.	Description	Date	Drw.	Dsg.	Chk.	App.
0	For Approval	15.06.2020	HSK	DM	SN	NR
OWNER						
Karnataka Neeravari Nigam Limited (KNNL)						
(A Govt. of Karnataka undertaking)						
Bangalore - 560 001, India.						
www.knnlindia.com						
CONSULTANT						
E I Technologies Pvt. Ltd.,						
(ISO 9001 : 2015 Certified)						
# 1149, 26th Main, Jayanagar 4th 'T' Block,						
Bangalore-560 041, India.						
Ph.+91.80.40914714 / 40914961						
info@eitech.in/www.eitech.in						

pp.	Date 15.06.2020	Drw. HSK	Dsg. DM	Chk. SN	App. NR	Scale AS SHOWN	Drawing Status For Approval
Project No. 1385X		Drawing No. EIT-1385X-WRE-GD-STR-A023				Sheet No. 01 of 01	Rev 0
Consultant, E I Technologies Pvt. Ltd., Bangalore.		Asst. Executive Engineer, KNNL,GRBCC Sub. Div.No.05, Gokak.				Executive Engineer, KNNL,GRBCC Div.No.03, Gokak.	
Superintending Engineer, KNNL,GRBCC Circle, Hidkol Dam.				Chief Engineer, KNNL,Irrigation (N) Zone, Belagavi.			

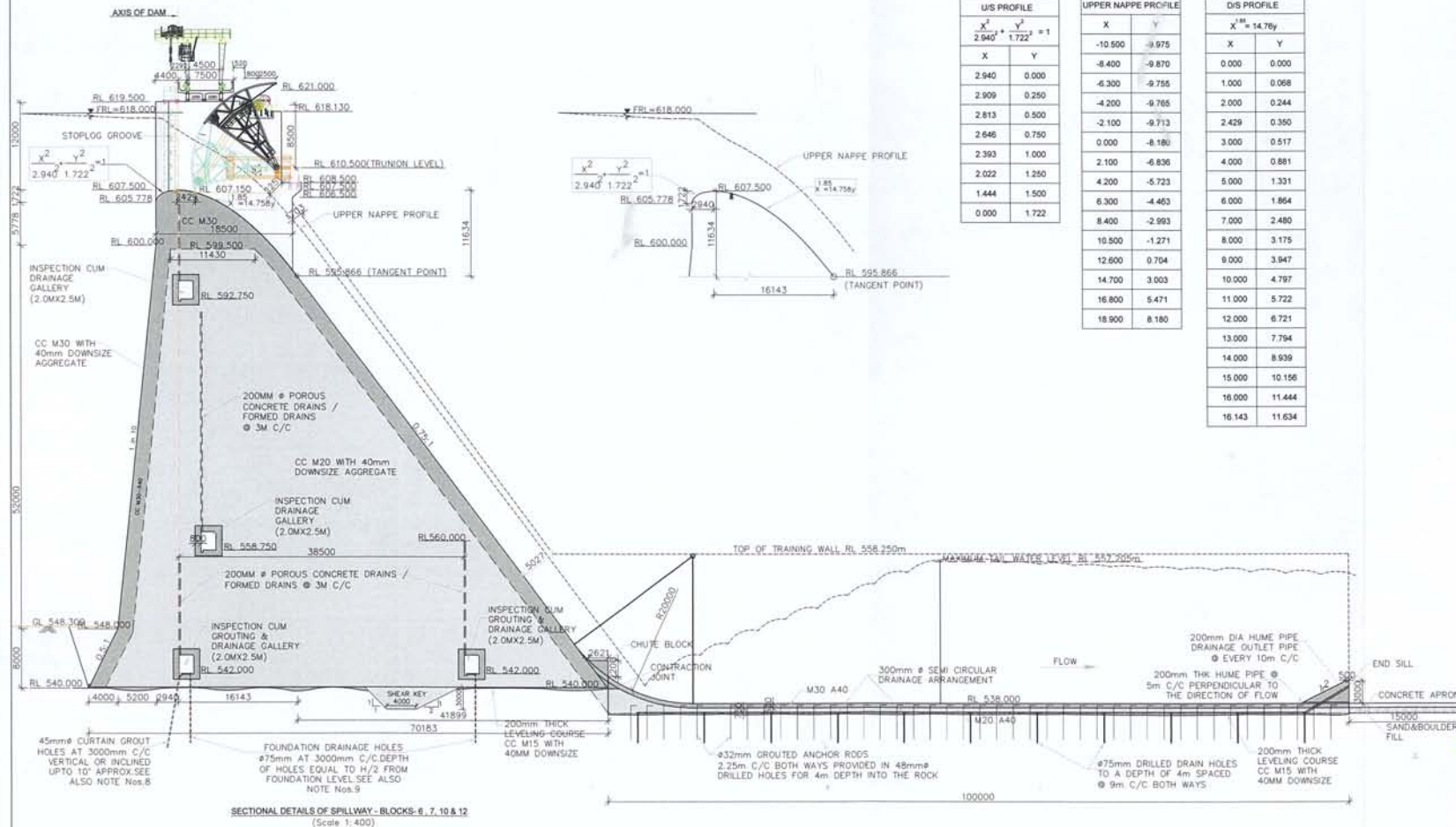


NOTES:

1. All dimensions are in millimeters except levels which are in meters, Unless otherwise mentioned.
2. Do not scale the drawing. Follow written dimensions only.

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

0	For Approval	15.06.2020	HSK	DM	SN	NR
Rev.	Description	Date	Drw.	Dsg	Chk.	App.
OWNER						
 Karnataka Neeravani Nigam Limited (KNNL) (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlindia.com						
CONSULTANT						
 E I Technologies Pvt. Ltd., (ISO 9001 : 2015 Certified) # 1149, 26th Main, Jayanagar 4th "T" Block, Bangalore - 560 041, India. Ph.+91.80.40914714 / 40914961 info@eitech.in / www.eitech.in						
PROJECT TITLE						
Ghatti Basavanna Drinking Water Supply Project						
DRAWING TITLE						
DETAILS OF SPILLWAY BRIDGE						
Date	Drw.	Dsg	Chk.	App.	Scale	Drawing Status
15.06.2020	HSK	DM	SN	NR	AS SHOWN	For Approval
Project No.	Drawing No.				Sheet No.	Rev.
1385X	EIT-1385X-WRE-GD-STR-A021				02 of 02	0
Consultant, E I Technologies Pvt. Ltd., Bangalore.		Asst. Executive Engineer, KNNL/GRBCC Sub Div.No.03, Gokak.			Executive Engineer, KNNL/GRBCC Div.No.03, Gokak.	
Superintending Engineer, KNNL/GRBCC Circle, Hidkol Dam.				Chief Engineer, KNNL/Irrigation (N) Zone, Belagavi.		



US PROFILE	
$\frac{X^2}{2.940} + \frac{Y^2}{1.722} = 1$	
X	Y
2.940	0.000
2.909	0.250
2.813	0.500
2.646	0.750
2.393	1.000
2.022	1.250
1.444	1.500
0.000	1.722

UPPER NAPPE PROFILE	
X	Y
-10.500	-9.975
-8.400	-9.870
-6.300	-9.755
-4.200	-9.765
-2.100	-9.713
0.000	-8.180
2.100	-6.836
4.200	-5.723
6.300	-4.463
8.400	-2.993
10.500	-1.271
12.600	0.704
14.700	3.003
16.800	5.471
18.900	8.180

D/S PROFILE	
$\frac{X^2}{14.76} + \frac{Y^2}{14.76} = 1$	
X	Y
0.000	0.000
1.000	0.068
2.000	0.244
2.429	0.350
3.000	0.517
4.000	0.881
5.000	1.331
6.000	1.864
7.000	2.480
8.000	3.175
9.000	3.947
10.000	4.797
11.000	5.722
12.000	6.721
13.000	7.794
14.000	8.939
15.000	10.156
16.000	11.444
16.143	11.634

NOTES:-

- All dimensions are in millimeters except levels which are in meters. Unless otherwise mentioned.
- Do not scale the drawing. Follow written dimensions only.
- Foundation bed for dam shall be prepared by removing all loose materials by wedging/chiselling.
- Different grades of concrete shall be done simultaneously. Avoiding line of separation.
- For side drains a slope not flatter than 1 in 1000 shall be provided.
- Surface reinforcement shall be provided on u/s and d/s face of the dam.
- HYSD bars of grade Fe415 shall be used for reinforcement.
- Curtain grout holes shall be of 45mm at 3000mm c/c vertical or inclined upto 10° approx. Depth of curtain grout holes from the foundation level shall be $(2h/3) + 8.0m$, where h is depth from FRL to the foundation level.
- Foundation drainage holes shall be of 75mm at 3000mm c/c. Depth of the drainage holes foundation level shall be h/2, where h is depth from FRL to the foundation level.
- Grade of concrete to be used is as under:
Bridge pier
U/S & D/S of dam - m30 with 40mm downsize
Body of Dam - m20 with 40mm downsize
Shear Key - m20 with 40mm downsize
Stilling Basin - m30 with 40mm downsize
Training Wall - m20 with 40mm downsize
Guide Wall - m20 with 20mm downsize
Gallery - m30 with 20mm downsize

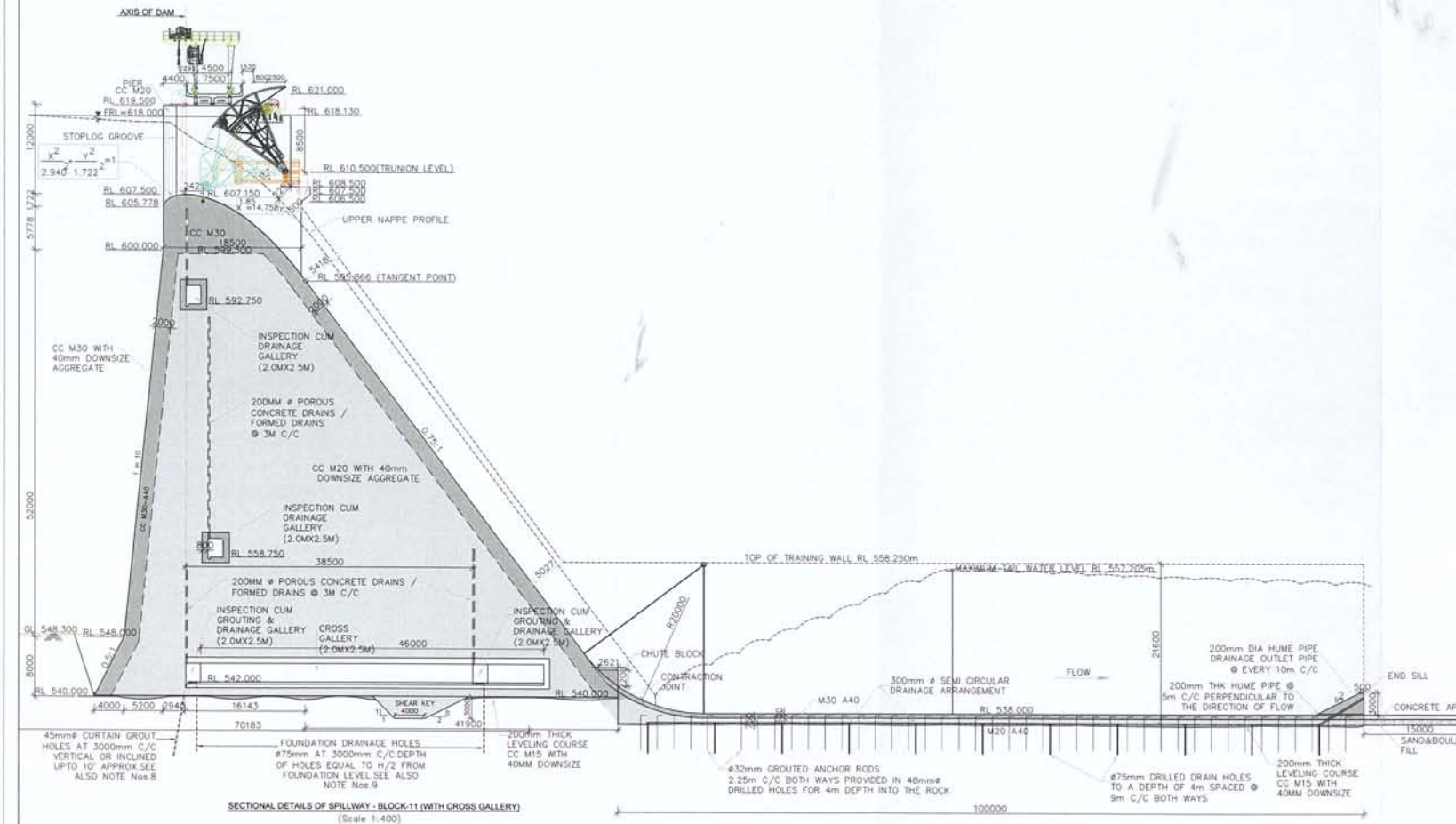
EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

D	For Approval	17.07.2020	VK	SSB	SN	NR
Rev	Description	Date	Drw	Dsg	Chk	App
OWNER	Karnataka Neeravari Nigam Limited (KNNL) (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlinda.com					
CONSULTANT	E I Technologies Pvt. Ltd., (ISO 9001 : 2015 Certified) # 1149, 26th Main, Jayanagar 4th 'T' Block, Bangalore - 560 041, India. Ph. +91 80 40914714 / 40914961 info@eitech.in www.eitech.in					

Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE						
SECTIONAL DETAILS OF SPILLWAY (BLOCKS- 6, 7, 10 & 12)						
Date	Drw	Dsg	Chk	App	Scale	Drawing Status
17.07.2020	VK	SSB	SN	NR	AS SHOWN	For Approval
Project No.	Drawing No.			Sheet No.	Rev	
1385X	EIT-1385X-WRE-GD-STR-A020			03 of 08	0	

Consultant, E I Technologies Pvt. Ltd., Bangalore	Asst. Executive Engineer, KNNL,GRBCC Sub Div.No.03, Gokak	Executive Engineer, KNNL,GRBCC Div.No.03, Gokak
Superintending Engineer, KNNL,GRBCC Circle, Hubli Dam	Chief Engineer, KNNL,Irrigation (N) Zone, Bangalore	



EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

Rev.	Description	Date	Drw.	Disg.	Chk.	App.
0	For Approval	17.07.2020	VK	SBB	SN	HR

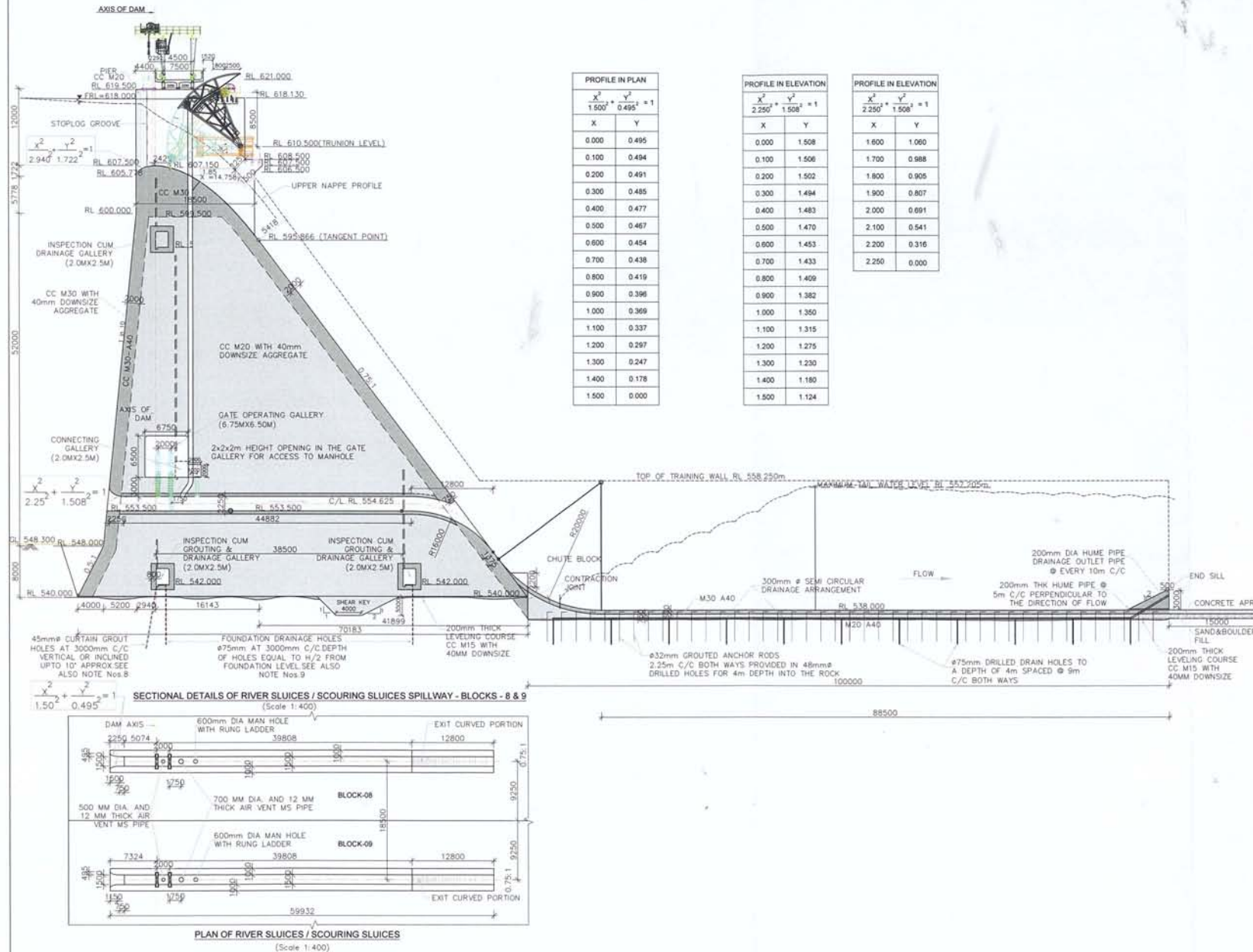
OWNER
Karnataka Neeravari Nigam Limited (KNNL)
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India.
www.knnlindia.com

CONSULTANT
E I Technologies Pvt. Ltd.,
(ISO 9001 : 2015 Certified)
1149, 26th Main, Jayanagar 4th 'T' Block,
Bangalore-560 041, India.
Ph: +91 80 40914714 / 40914961
info@eitech.in, www.eitech.in

Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE						
SECTIONAL DETAILS OF SPILLWAY - BLOCK-11 (WITH CROSS GALLERY)						
Date	Drw.	Disg.	Chk.	App.	Scale	Drawing Status
17.07.2020	VK	SBB	SN	NR	AS SHOWN	For Approval
Project No.	Drawing No.	Sheet No.	Rev.			
1385X	EIT-1385X-WRE-GD-STR-A020	02 of 08	0			

Consultant, E I Technologies Pvt. Ltd., Bangalore	Asst. Executive Engineer, KNNL, GRBCC Sub. Div. No. 03, Gokak	Executive Engineer, KNNL, GRBCC Div. No. 03, Gokak
Superintending Engineer, KNNL, GRBCC Circle, Hubli Dam	Chief Engineer, KNNL, Irrigation (N) Zone, Bengaluru	



- NOTES:-**
- All dimensions are in millimeters except levels which are in meters. Unless otherwise mentioned.
 - Do not scale the drawing. Follow written dimensions only.
 - Foundation bed for dam shall be prepared by removing all loose materials by wedging/chiseling.
 - Different grades of concrete shall be done simultaneously avoiding line of separation.
 - For side drains a slope not flatter than 1 in 1000 shall be provided.
 - Surface reinforcement shall be provided on u/s and d/s face of the dam.
 - HYSD bars of grade Fe415 shall be used for reinforcement.
 - Curtain grout holes shall be of $\phi 45\text{mm}$ at 3000mm c/c vertical or inclined upto 10° approx. Depth of curtain grout holes from the foundation level shall be $(2h/3)+8.0\text{m}$, where h is depth from FRL to the Foundation level.
 - Foundation drainage holes shall be of $\phi 75\text{mm}$ at 3000mm c/c. Depth of the drainage holes foundation level shall be $h/2$. Where h is depth from FRL to the foundation level.
 - Grade of concrete to be used is as under:
Bridge pier
U/S & D/S of dam - m30 with 40mm downsize
Body of Dam - m20 with 40mm downsize
Shear Key - m20 with 40mm downsize
Stilling Basin - m30 with 40mm downsize
Training Wall - m20 with 40mm downsize
Guide Wall - m20 with 20mm downsize
Gallery - m30 with 20mm downsize

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

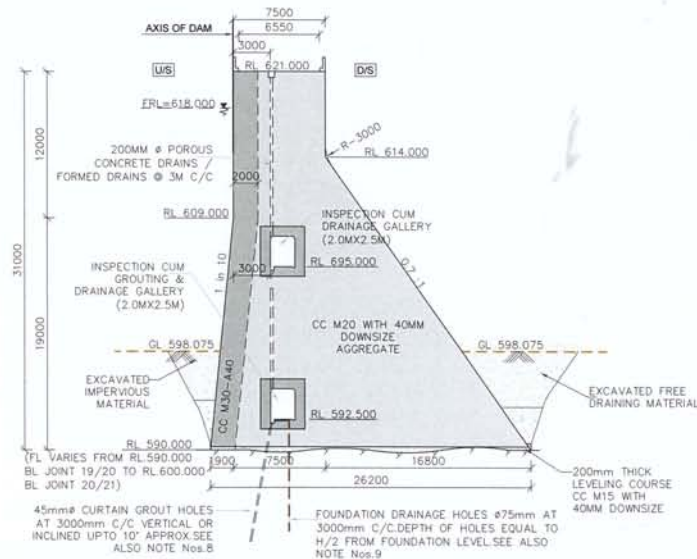
Rev.	0	For Approval	17.07.2020	VK	SBB	SN	NR
Rev.	0	Description	Date	Drw.	Desg.	Chk.	App.
OWNER	Karnataka Neeravari Nigam Limited (KNNL) (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlindia.com						
CONSULTANT	E I Technologies Pvt. Ltd., (ISO 9001 - 2015 Certified) # 1149, 28th Main, Jayanagar 4th 'T' Block, Bangalore-560 041, India. Ph.+91.80.40914714 / 40914961 info@eitech.in/www.eitech.in						

OWNER	Karnataka Neeravari Nigam Limited (KNNL) (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlindia.com						
CONSULTANT	E I Technologies Pvt. Ltd., (ISO 9001 - 2015 Certified) # 1149, 28th Main, Jayanagar 4th 'T' Block, Bangalore-560 041, India. Ph.+91.80.40914714 / 40914961 info@eitech.in/www.eitech.in						

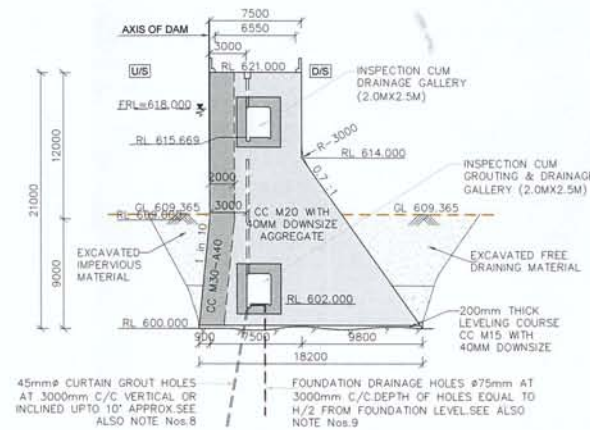
Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE	SECTIONAL DETAILS OF RIVER SLUICE SPILLWAY (BLOCKS - 7 & 8)						
Date	17.07.2020	Drw.	VK	Desg.	SBB	SN	NR
Project No.	1385X	Drawing No.	EIT-1385X-WRE-GD-STR-A020	Scale	AS SHOWN	Drawing Status	For Approval
Sheet No.	01 of 08	Rev	0				

Consultant	Asst. Executive Engineer	Executive Engineer
E I Technologies Pvt. Ltd., Bangalore.	KNNL/GRBCC Sub. Div.No.05, Gokak.	KNNL/GRBCC Div.No.03, Gokak.
Superintending Engineer, KNNL/GRBCC Circle, Hikal Dam.	Chief Engineer, KNNL/irrigation (N) Zone, Belagavi.	



SECTION OF NON OVER FLOW DAM [BLOCK-20 @ JOINT 19/20]
(SCALE 1:300)



SECTION OF NON OVER FLOW DAM [BLOCK-21 @ JOINT 20/21]
(SCALE 1:300)

NOTES:-

- All dimensions are in millimeters except levels which are in meters, Unless otherwise mentioned.
- Do not scale the drawing. Follow written dimensions only.
- Foundation bed for dam shall be prepared by removing all Loose materials by wedging/chiselling.
- Different grades of concrete shall be done simultaneously Avoiding line of separation.
- For side drains a slope not flatter than 1 in 1000 shall be Provided.
- Surface reinforcement shall be provided on u/s and d/s face Of the dam.
- HYSD bars of grade fe415 shall be used for reinforcement.
- Curtain grout holes shall be of $\phi 45\text{mm}$ at 3000mm c/c vertical or inclined upto 10° approx. Depth of curtain grout holes from the foundation level shall be $(2h/3)+8.0\text{m}$, where h is depth from FRL to the Foundation level.
- Foundation drainage holes shall be of $\phi 75\text{mm}$ at 3000mm c/c. Depth of the drainage holes foundation level shall be $h/2$, Where h is depth from FRL to the foundation level.
- Grade of concrete to be used is as under:
Bridge pier
U/S & D/S of dam - m30 with 40mm downsize
Body of Dam - m20 with 40mm downsize
Gallery - m30 with 20mm downsize

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

0	For Approval	16.07.2020	VK	SSB	SN	NR
Rev.	Description	Date	Drw.	Dsg.	Chk.	App.

OWNER **Karnataka Neeravari Nigam Limited (KNNL)**
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India.
www.knnlindia.com

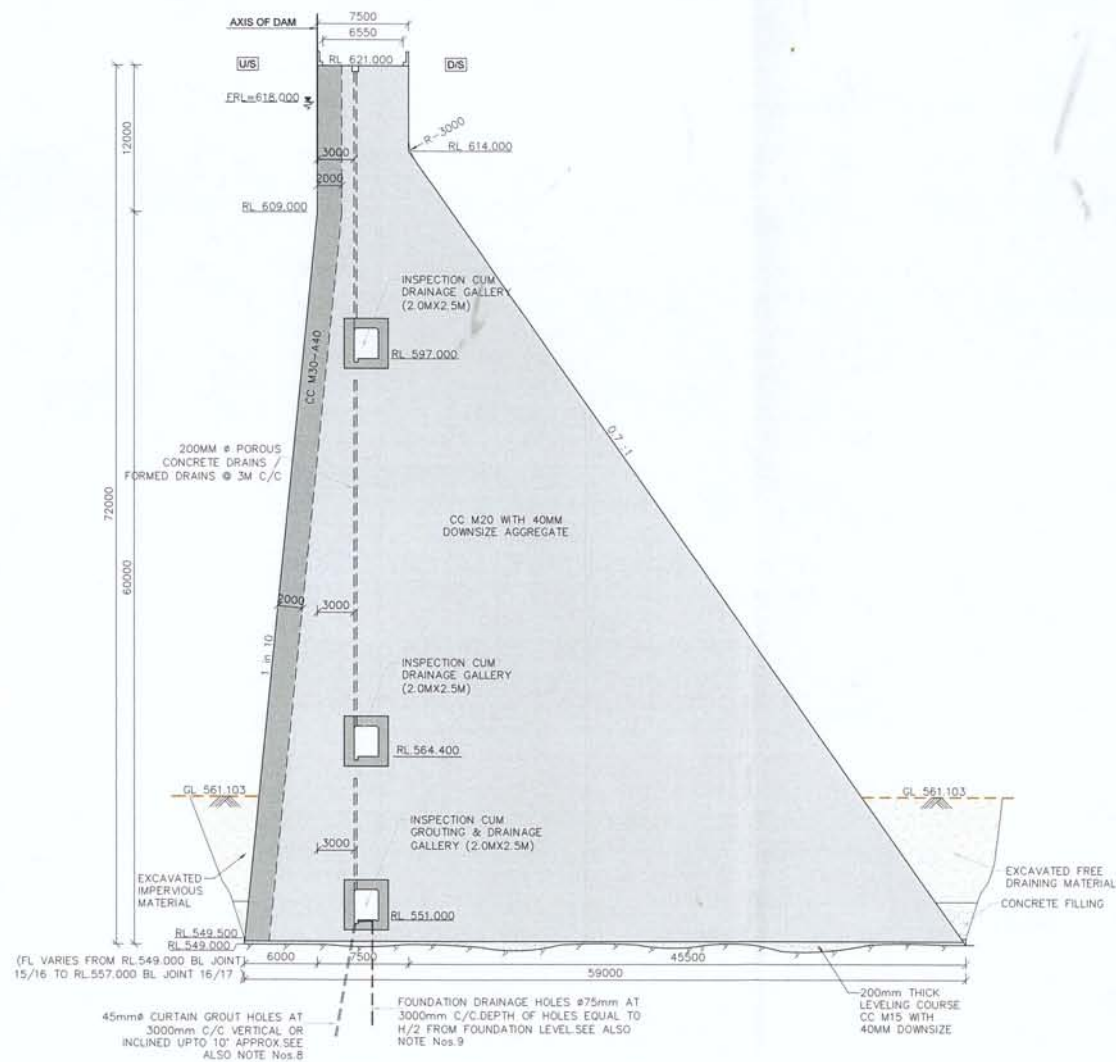
CONSULTANT **E I Technologies Pvt. Ltd.,**
(ISO 9001 : 2015 Certified)
1149, 26th Main, Jayanagar 4th 'T' Block,
Bangalore-560 041, India.
Ph.+91.80.40914714 / 40914961
info@eitech.in www.eitech.in

Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE
SECTIONAL DETAILS OF NON OVER FLOW DAM (BLOCK-20 & 21)

Date 16.07.2020	Drw. VK	Dsg. SSB	Chk. SN	App. NR	Scale AS SHOWN	Drawing Status For Approval
Project No. 1385X	Drawing No. EIT-1385X-WRE-GD-STR-A019	Sheet No. 12 of 23	Rev. 0			

Consultant, E I Technologies Pvt. Ltd., Bangalore.	Asst. Executive Engineer, KNNL GRBCC Sub. Div.No.05, Gokak.	Executive Engineer, KNNL GRBCC Div.No.03, Gokak.
Superintending Engineer, KNNL GRBCC Circle, Hidkai Dam.	Chief Engineer, KNNL Irrigation (N) Zone, Belagavi.	



SECTION OF NON OVER FLOW DAM [BLOCK-16 @ JOINT 15/16]
(SCALE 1:300)

NOTES:-

- All dimensions are in millimeters except levels which are in meters. Unless otherwise mentioned.
- Do not scale the drawing. Follow written dimensions only.
- Foundation bed for dam shall be prepared by removing all loose materials by wedging/chiselling.
- Different grades of concrete shall be done simultaneously. Avoiding line of separation.
- For side drains a slope not flatter than 1 in 1000 shall be provided.
- Surface reinforcement shall be provided on u/s and d/s face of the dam.
- HYSD bars of grade Fe415 shall be used for reinforcement.
- Curtain grout holes shall be of 45mm at 3000mm c/c vertical or inclined upto 10° approx. Depth of curtain grout holes from the foundation level shall be $(2h/3)+8.0m$, where h is depth from FRL to the Foundation level.
- Foundation drainage holes shall be of 75mm at 3000mm c/c. Depth of the drainage holes foundation level shall be $h/2$. Where h is depth from FRL to the foundation level.
- Grade of concrete to be used is as under:
Bridge pier
U/S & D/S of dam - M30 with 40mm downsize
Body of Dam - M20 with 40mm downsize
Gallery - M30 with 20mm downsize

Signature
EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

0	For Approval	16.07.2020	VK	SSB	SN	NR
Rev	Description	Date	Drw	Dsg	Chk	App

OWNER
Karnataka Neeravari Nigam Limited (KNNL)
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India.
www.knnlindia.com

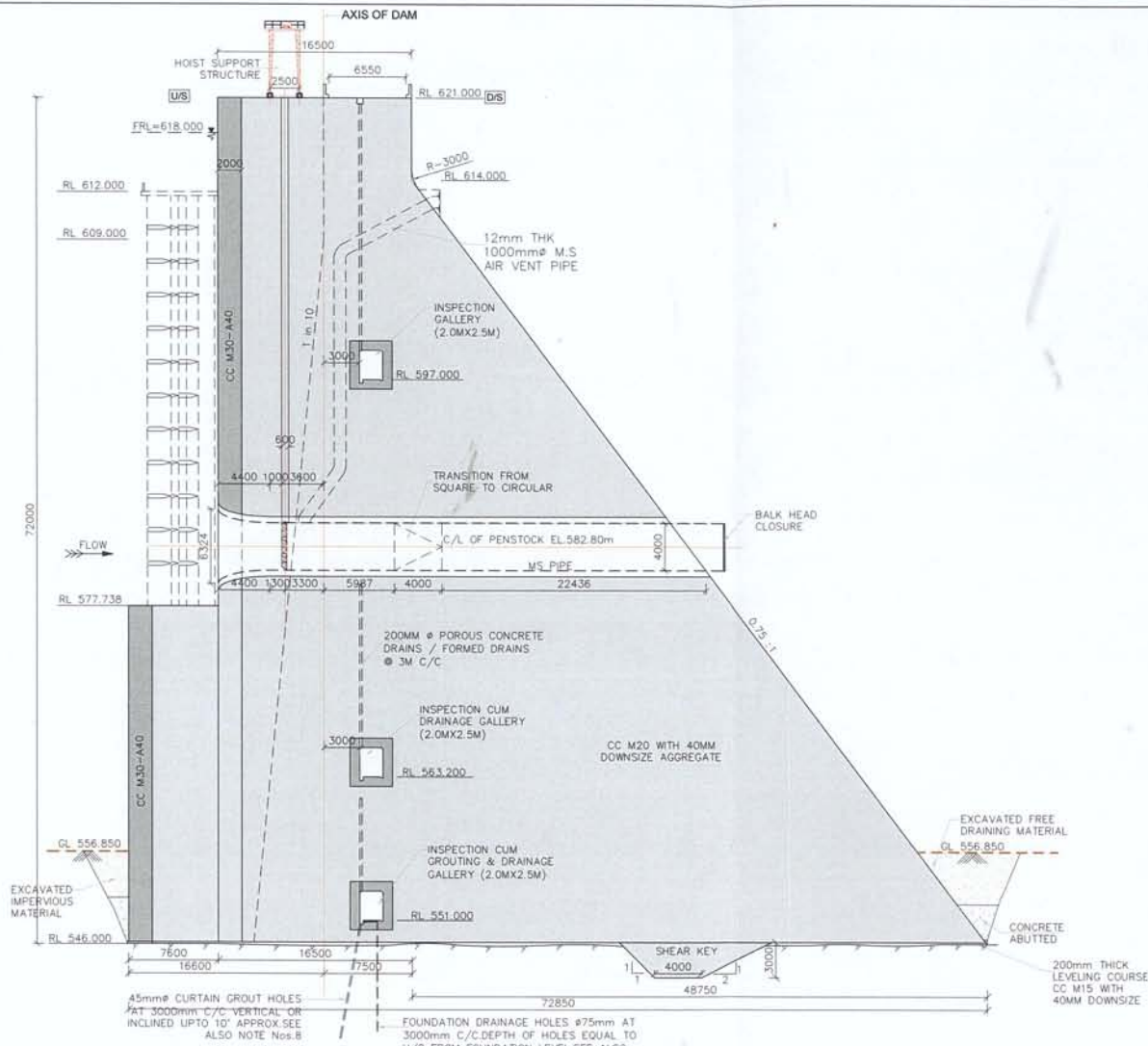
CONSULTANT
E I Technologies Pvt. Ltd.,
(ISO 9001 : 2015 Certified)
114/9, 26th Main, Jayanagar 4th 'T' Block,
Bangalore-560 041, India.
Ph.+91.80.40914714 / 40914961
info@eitech.in, www.eitech.in

Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE
SECTIONAL DETAILS OF NON OVER FLOW DAM (BLOCK-16)

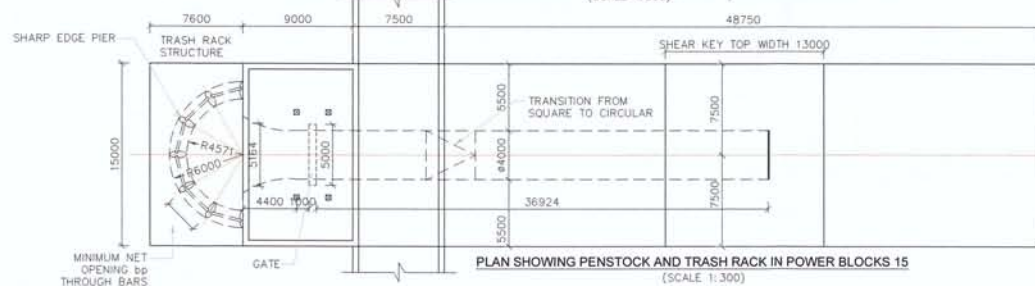
Date	Drw	Dsg	Chk	App	Scale	Drawing Status
16.07.2020	VK	SSB	SN	NR	AS SHOWN	For Approval
Project No.	Drawing No.					Rev
1385X	EIT-1385X-WRE-GD-STR-A019				09 of 23	0

Consultant, E I Technologies Pvt. Ltd., Bangalore	Asst. Executive Engineer, KNNL/GRBCC Sub Div.No.05, Gokak	Executive Engineer, KNNL/GRBCC Div.No.03, Gokak
Superintending Engineer, KNNL/GRBCC Circle, Hikal Dam	Chief Engineer, KNNL/Integration (N) Zone, Belagavi	



NON OVER FLOW CROSS SECTION SHOWING PENSTOCK AND TRASH RACK [BLOCK-15 @ JOINT 14/15]

(SCALE 1:300)



PLAN SHOWING PENSTOCK AND TRASH RACK IN POWER BLOCKS 15

(SCALE 1:300)

NOTES :-

- All dimensions are in millimeters except levels which are in meters, Unless otherwise mentioned.
- Do not scale the drawing. Follow written dimensions only.
- Foundation bed for dam shall be prepared by removing all loose materials by wedging/chiselling.
- Different grades of concrete shall be done simultaneously. Avoiding line of separation.
- For side drains a slope not flatter than 1 in 1000 shall be provided.
- Surface reinforcement shall be provided on u/s and d/s face of the dam.
- HYSD bars of grade Fe415 shall be used for reinforcement.
- Curtain grout holes shall be of $\phi 45\text{mm}$ at 3000mm c/c vertical or inclined upto 10° approx. Depth of curtain grout holes from the foundation level shall be $(2h/3)+8.0\text{m}$, where h is depth from FRL to the foundation level.
- Foundation drainage holes shall be of $\phi 75\text{mm}$ at 3000mm c/c. Depth of the drainage holes foundation level shall be $h/2$, where h is depth from FRL to the foundation level.
- Grade of concrete to be used is as under:
U/S & D/S of dam - m30 with 40mm downsize
Body of Dam - m20 with 40mm downsize
Gallery - m30 with 20mm downsize

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

Rev.	Description	Date	Drw.	Disg.	Chk.	App.
0	For Approval	16.07.2020	VK	SSB	SN	NR

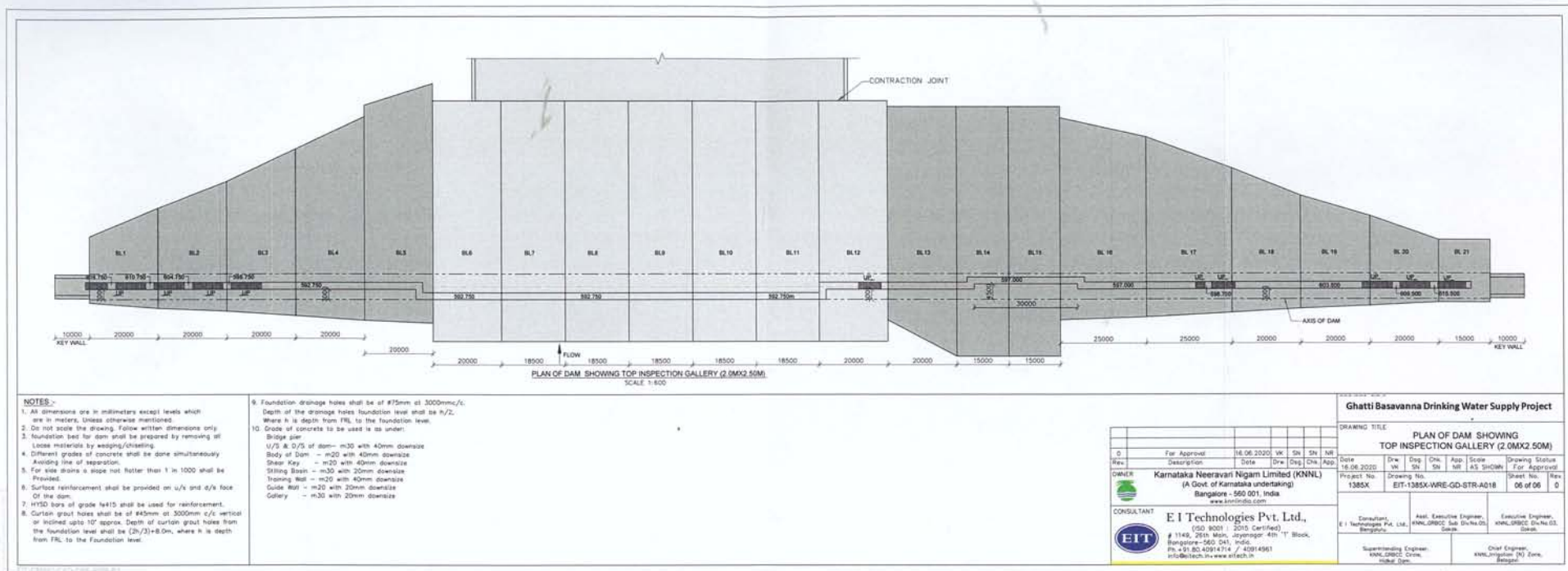
OWNER
Karnataka Neeravari Nigam Limited (KNNL)
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India.
www.knnlindia.com

CONSULTANT
E I Technologies Pvt. Ltd.,
(ISO 9001 - 2015 Certified)
1149, 26th Main, Jayanagar 4th 'T' Block,
Bangalore-560 041, India.
Ph.+91.80.40914714 / 40914961
info@eitech.in www.eitech.in

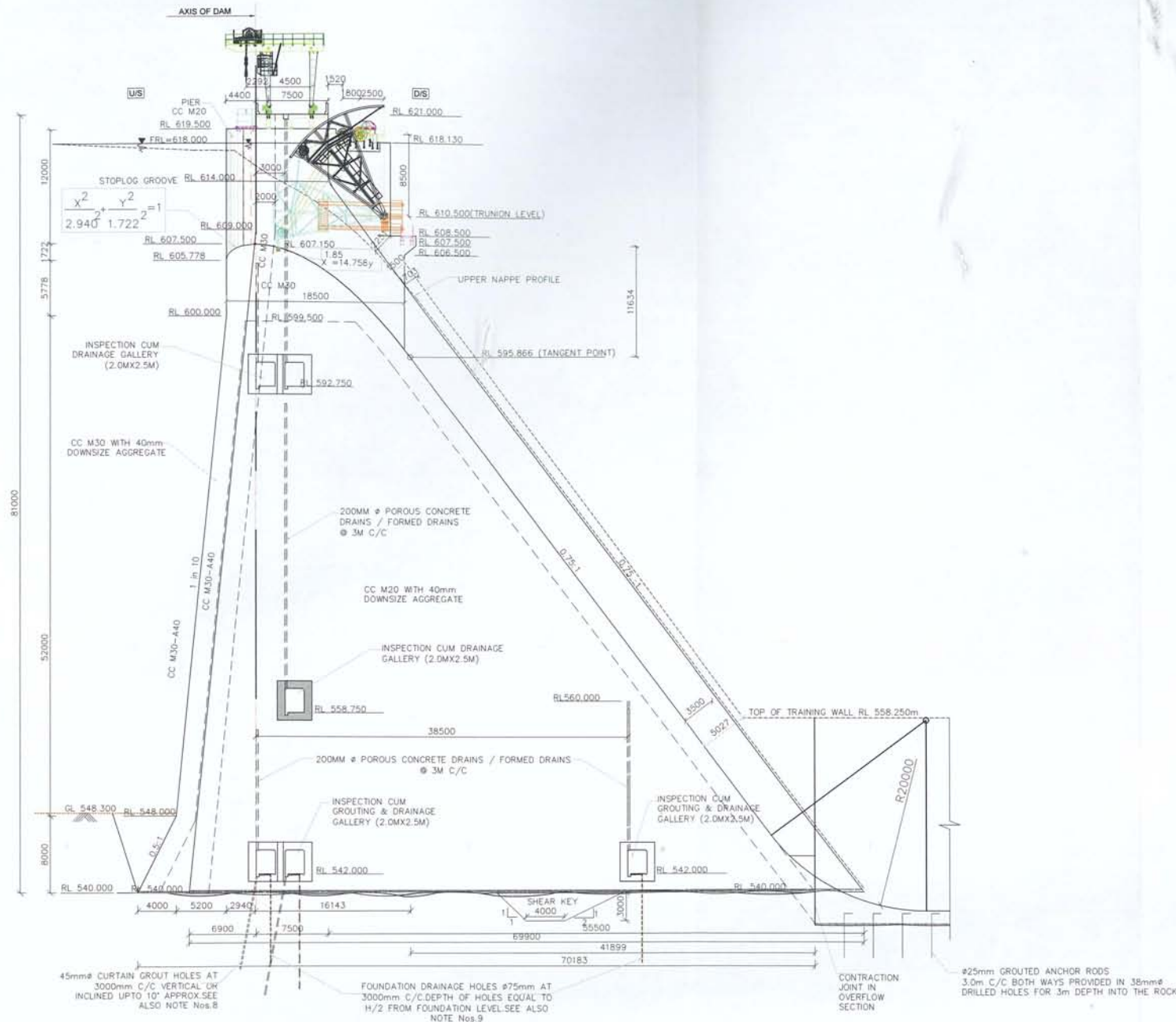
Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE						
SECTIONAL DETAILS OF NON OVER FLOW DAM (BLOCK-15)						
Date	Drw.	Disg.	Chk.	App.	Scale	Drawing Status
16.07.2020	VK	SSB	SN	NR	AS SHOWN	For Approval
Project No.	Drawing No.	Sheet No.	Rev.			
1385X	EIT-1385X-WRE-GD-STR-A019	08 of 23	0			

Consultant, E I Technologies Pvt. Ltd., Bangalore	Asst. Executive Engineer, KNNL/GRBCC Sub. Div.No.05, Gokak	Executive Engineer, KNNL/GRBCC Div.No.03, Gokak
Superintending Engineer, KNNL/GRBCC Circle, Hidkote Dam	Chief Engineer, KNNL/Irrigation (N) Zone, Belagavi	



(Signature)
EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK



DETAILS OF COMBINED OVER AND NON OVER FLOW SECTION - BLOCKS- 6 & 12
(SCALE 1:300)

NOTES:-

- All dimensions are in millimeters except levels which are in meters, Unless otherwise mentioned.
- Do not scale the drawing. Follow written dimensions only.
- Foundation bed for dam shall be prepared by removing all loose materials by wedging/chiselling.
- Different grades of concrete shall be done simultaneously. Avoiding line of separation.
- For side drains a slope not flatter than 1 in 1000 shall be provided.
- Surface reinforcement shall be provided on u/s and d/s face of the dam.
- HYSD bars of grade fe415 shall be used for reinforcement.
- Curtain grout holes shall be of #45mm at 3000mm c/c vertical or inclined upto 10° approx. Depth of curtain grout holes from the foundation level shall be $(2h/3)+8.0m$, where h is depth from FRL to the Foundation level.
- Foundation drainage holes shall be of #75mm at 3000mm/c. Depth of the drainage holes foundation level shall be $h/2$, Where h is depth from FRL to the foundation level.
- Grade of concrete to be used is as under:
Bridge pier
U/S & D/S of dam - m30 with 40mm downsize
Body of Dam - m20 with 40mm downsize
Gallery - m30 with 20mm downsize

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

Rev.	Description	Date	Drw.	Dep.	Chk.	App.
0	For Approval	16.07.2020	VK	SSB	SN	NR

OWNER
Karnataka Neeravari Nigam Limited (KNNL)
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India.
www.knnlindia.com

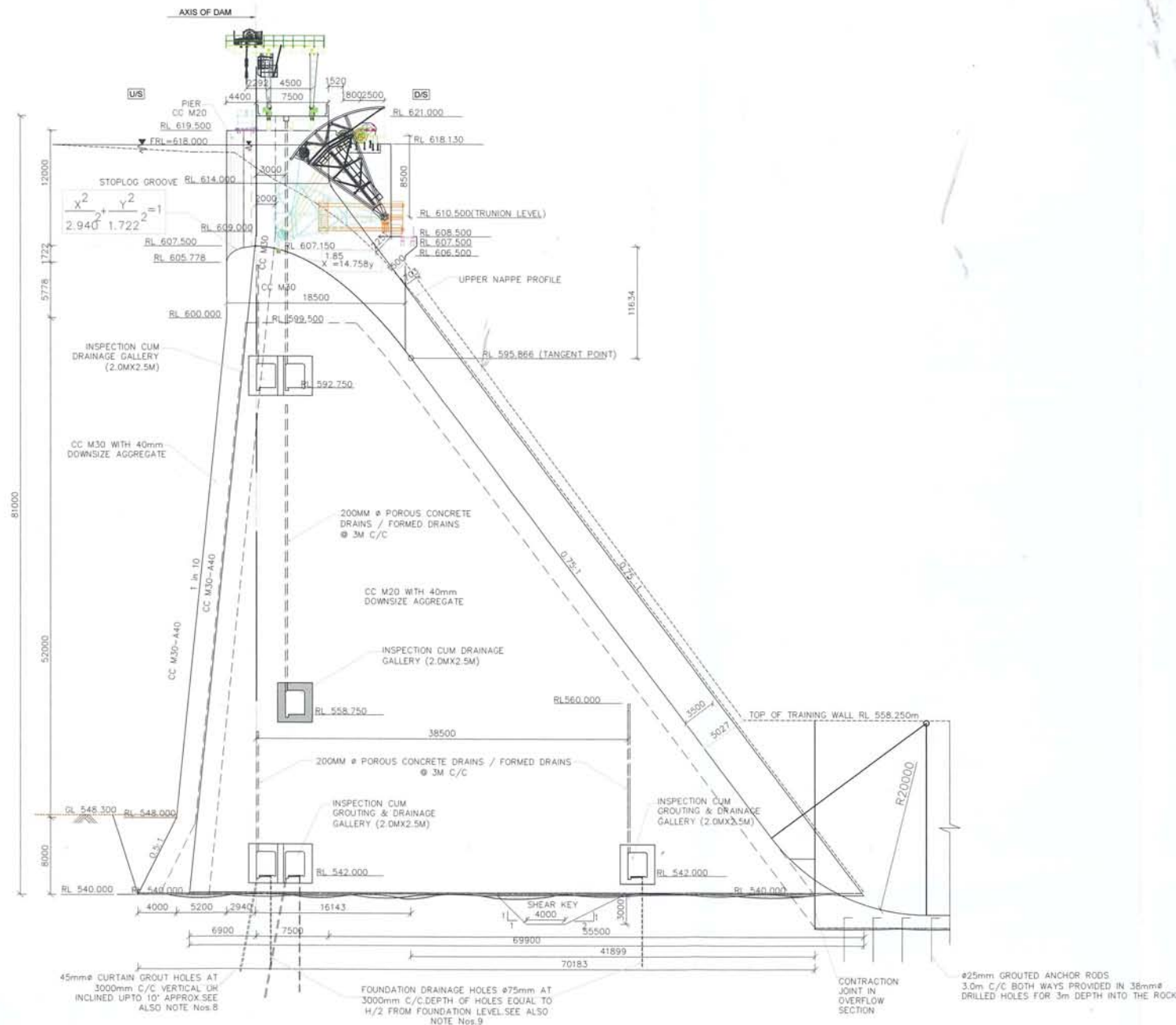
CONSULTANT
E I Technologies Pvt. Ltd.,
(ISO 9001 : 2015 Certified)
1149, 26th Main, Jayanagar 4th 'T' Block,
Bangalore-560 041, India.
Ph.+91.80.40914714 / 40914961
info@eitech.in+www.eitech.in

Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE
DETAILS OF COMBINED OVER AND NON OVER FLOW SECTION - BLOCKS- 6 & 12

Date	Drw.	Dep.	Chk.	App.	Scale	Drawing Status
16.07.2020	VK	SSB	SN	NR	AS SHOWN	For Approval
Project No.	Drawing No.	Sheet No.	Rev.			
1385X	EIT-1385X-WRE-GD-STR-A019	05 of 23	0			

Consultant, E I Technologies Pvt. Ltd., Bangalore	Asst. Executive Engineer, KNNL GRBCC Sub. Div. No. 05, Gokak	Executive Engineer, KNNL GRBCC Div. No. 03, Gokak
Superintending Engineer, KNNL GRBCC Circle, Hikal Dam	Chief Engineer, KNNL Irrigation (N) Zone, Belagavi	



DETAILS OF COMBINED OVER AND NON OVER FLOW SECTION - BLOCKS- 6 & 12
(SCALE 1:300)

NOTES:-

- All dimensions are in millimeters except levels which are in meters, Unless otherwise mentioned.
- Do not scale the drawing. Follow written dimensions only.
- Foundation bed for dam shall be prepared by removing all Loose materials by wedging/chiselling.
- Different grades of concrete shall be done simultaneously Avoiding line of separation.
- For side drains a slope not flatter than 1 in 1000 shall be Provided.
- Surface reinforcement shall be provided on u/s and d/s face Of the dam.
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- Curtain grout holes shall be of Ø45mm at 3000mm c/c vertical or inclined upto 10° approx. Depth of curtain grout holes from the foundation level shall be $(2h/3) + 8.0m$, where h is depth from FRL to the Foundation level.
- Foundation drainage holes shall be of Ø75mm at 3000mm c/c. Depth of the drainage holes foundation level shall be $h/2$. Where h is depth from FRL to the foundation level.
- Grade of concrete to be used is as under:
Bridge pier
U/S & D/S of dam - m30 with 40mm downsize
Body of Dam - m20 with 40mm downsize
Gallery - m30 with 20mm downsize

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

Rev.	Description	Date	Drw.	Chk.	App.	NR
0	For Approval	16.07.2020	VK	SSB	SN	NR

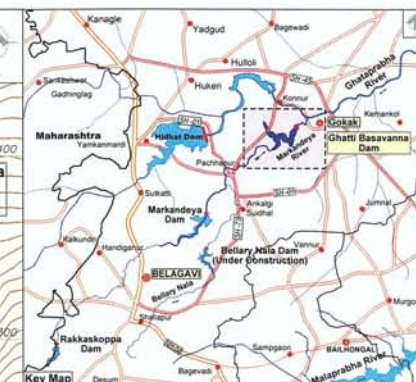
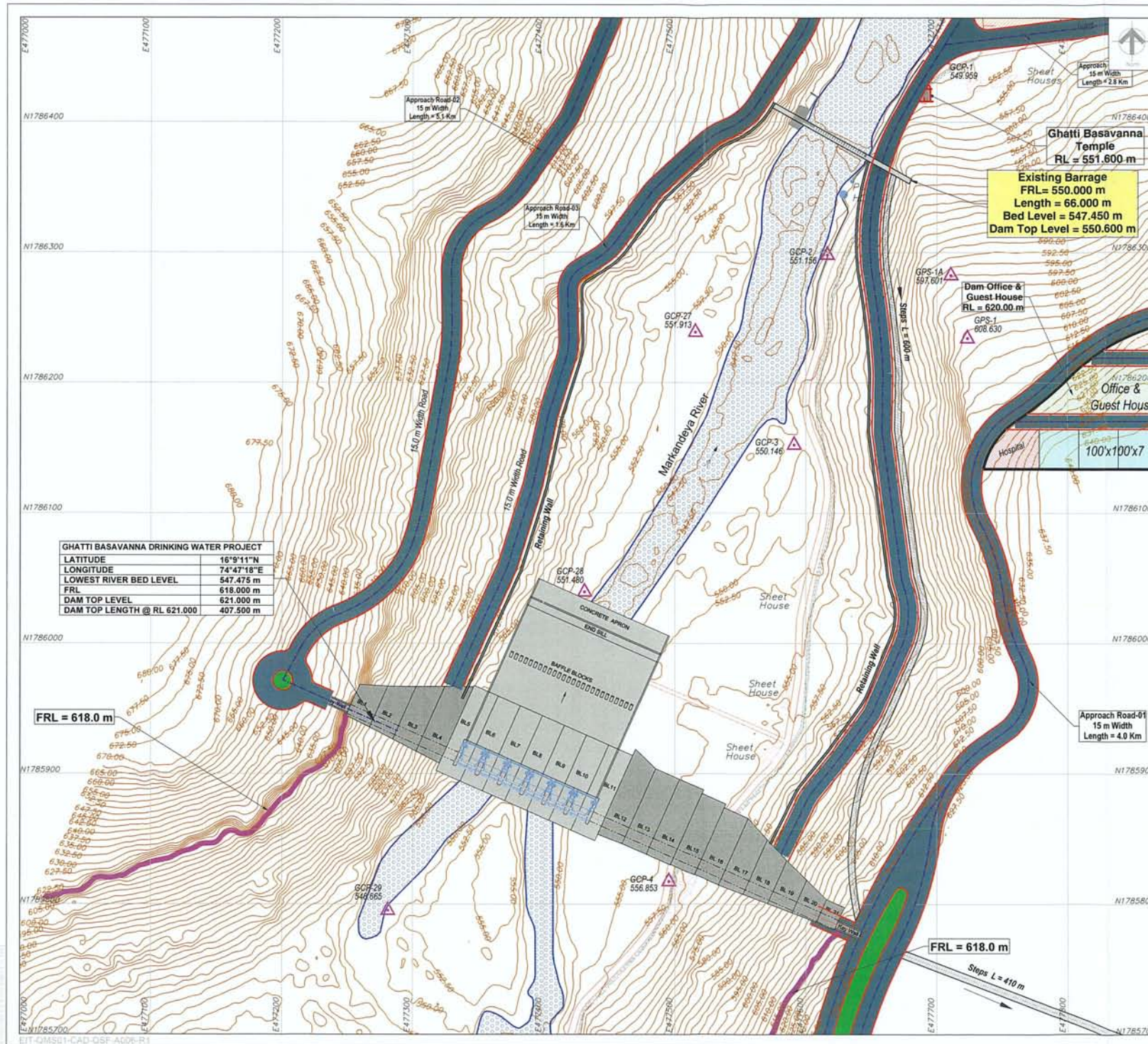
OWNER
Karnataka Neeravari Nigam Limited (KNNL)
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India.
www.knnlindia.com

CONSULTANT
E I Technologies Pvt. Ltd.,
(ISO 9001 : 2015 Certified)
1149, 26th Mile, Jayanagar 4th 'T' Block,
Bangalore-560 041, India.
Ph +91.80.40914714 / 40914961
info@eitech.in www.eitech.in

Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE						
DETAILS OF COMBINED OVER AND NON OVER FLOW SECTION - BLOCKS- 6 & 12						
Date	Drw.	Dsg.	Chk.	App.	Scale	Drawing Status
16.07.2020	VK	SSB	SN	AS	AS SHOWN	For Approval
Project No.	Drawing No.	Sheet No.		Rev.		
1385X	EIT-1385X-WRE-GD-STR-A019	05 of 23		0		

Consultant, E I Technologies Pvt. Ltd., Bangalore	Asst. Executive Engineer, KNNL GRBCC Sub Div.No.05, Gokak	Executive Engineer, KNNL GRBCC Div.No.03, Gokak
Superintending Engineer, KNNL GRBCC Circle, Miskal Dam	Chief Engineer, KNNL Irrigation (N) Zone, Belagavi	



Notes:

1. All dimensions are in metres unless otherwise specified.
2. Co-ordinates are based on UTM co-ordinates obtained using hand held GPS.

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

Rev.	Description	Date	AB	AKN	SN	NR
0	For Approval	15.06.2020	AB	AKN	SN	NR

OWNER
Karnataka Neeravari Nigam Limited (KNNL)
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India.
www.knnlindia.com

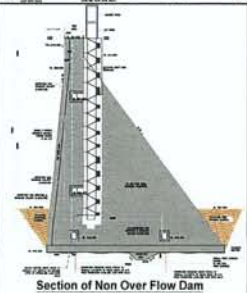
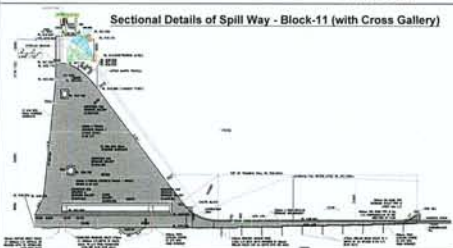
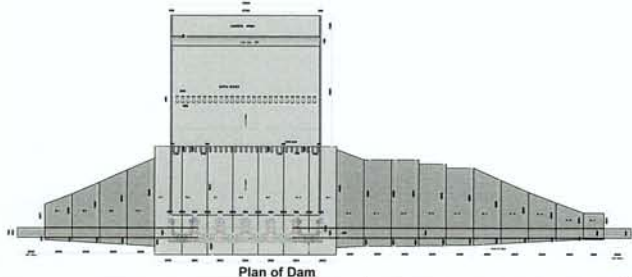
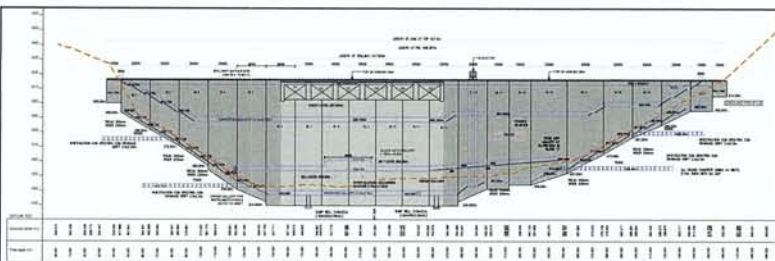
CONSULTANT
E I Technologies Pvt. Ltd.,
(ISO 9001 : 2015 Certified)
1149, 26th Main, Jayanagar 4th 'T' Block,
Bangalore-560 041, India.
Ph. +91.80.40914714 / 40914961
info@eitech.in, www.eitech.in

Ghatti Basavanna Drinking Water Supply Project

DRAWING TITLE
Layout Plan

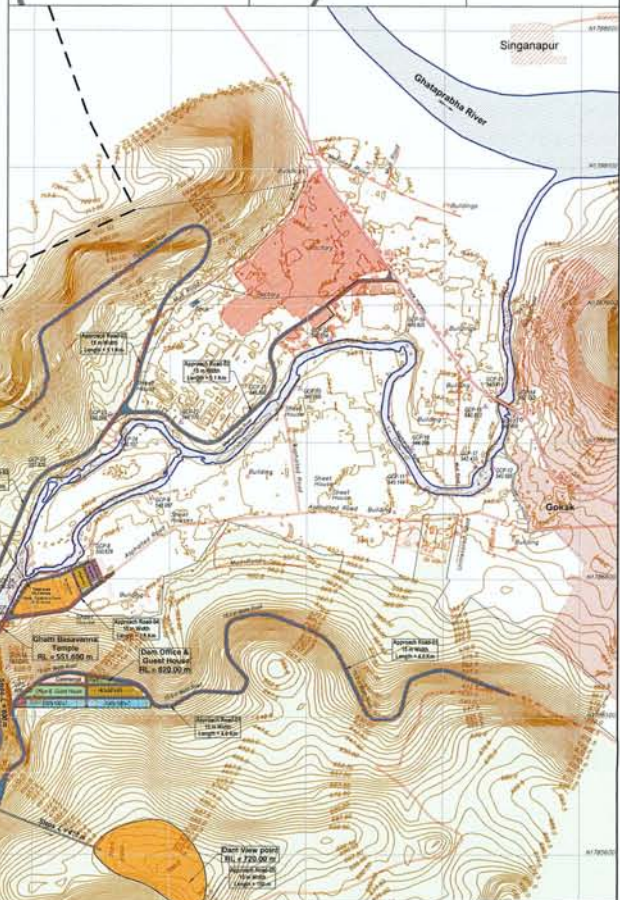
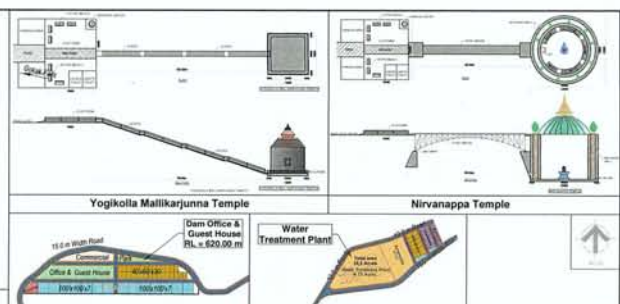
Date	Drw.	Dsg.	Chk.	App.	Scale	Drawing Status
15.06.2020	AB	AKN	SN	NR	1:2,000	For Approval
Project No.	Drawing No.	Sheet No.	Rev.			
1385X	EIT-1385X-WRE-GD-LYP-A015	01 of 01	0			

Consultant, E I Technologies Pvt. Ltd., Bangalore.	Asst. Executive Engineer, KNNL/GRBCC Sub Div.No.05, Gokak.	Executive Engineer, KNNL/GRBCC Div.No.03, Gokak.
Superintending Engineer, KNNL/GRBCC Circle, Hidkai Dam.	Chief Engineer, KNNL/Irrigation (N) Zone, Belagavi.	



GHATTI BASAVANNA DRINKING WATER PROJECT	
LATITUDE	12° 11' N
LONGITUDE	74° 47' E
LOWEST RIVER BED LEVEL	547.475 m
P.L.	518.500 m
DAM TOP LEVEL	621.000 m
DAM TOP LENGTH @ RL 621.00 m	487.500 m

Existing Barrage
P.L. = 555.00 m
Length = 66.00 m
Bed Level = 547.400 m
Dam Top Level = 553.800 m



Details of Land Acquisition for Ghatti Basavanna Drinking Water Project		
No.	Details of land	Area (in Ha)
1	Total area of submergence	663.00
1.1	Area of submergence in Reserved forest	560.00
1.2	Area of submergence in Revenue land	103.00
2	Land required for seating of dam	5.00
2.1	Forest Land	2.30
2.2	Revenue Land	2.70
3	Land required for construction of Dam office and Guest house	4.10
3.1	Forest Land	4.10
4	Land required for construction of View point	8.50
4.1	Forest Land	8.50
5	Land required for construction of WTP & Colony	2.80
5.1	Revenue Land	2.80
6	Land required for construction of Project roads	22.10
6.1	Total length of road in forest land = 10500.0 m Width of road = 15.00 m Total area in forest land	15.80
6.2	Total length of road in revenue land = 4200.0 m Width of road = 15.00 m Total area in revenue land	6.30
	Total area of acquisition in Forest land	590.70
	Total area of acquisition in Revenue land	114.80
	Total extent of land to be acquired	705.50

Key Map

Legend

Notes

OWNER
Karnataka Neeravari Nigam Limited (KNNL)
(A Govt. of Karnataka undertaking)
Bangalore - 560 001, India
www.knnlindia.com

CONSULTANT
EIT Technologies Pvt. Ltd.,
(ISO 9001 : 2015 Certified)
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Bangalore-560 041, India
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Project No. 1385X
Drawing No. EIT-1385X-WRE-GD-MTP-A014
Sheet No. 01 of 01
Scale 1:10,000

Master Plan

DRIVING TITLE

Consultant
EIT Technologies Pvt. Ltd.,
Bangalore, India

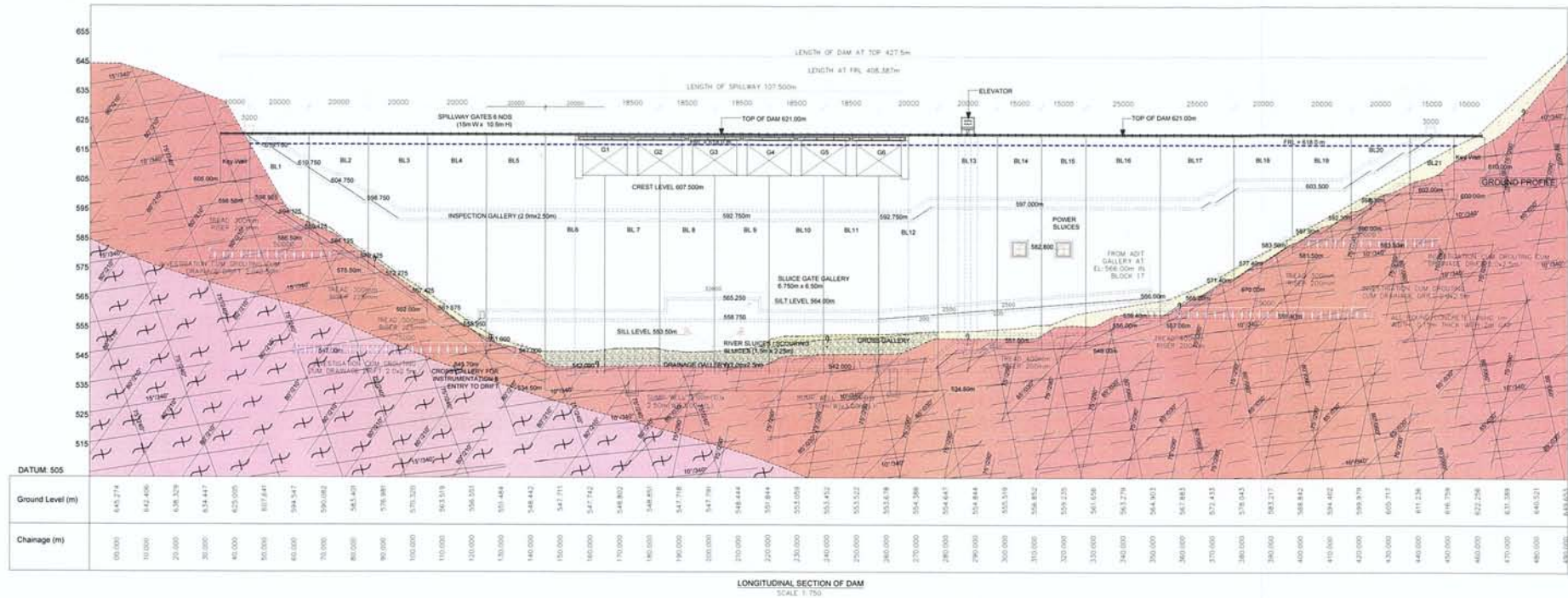
Asst. Executive Engineer
KNNL, GRCO, Sub. Div. No. 03,
Gokak

Executive Engineer
KNNL, Irrigation 'B' Zone,
Bangalore

Supervising Engineer
KNNL, GRCO, Gokak

Chief Engineer
KNNL, Irrigation 'B' Zone,
Bangalore

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRCC DN. NO. 3, GOKAK



ser
EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

NOTES:

1. All dimensions are in metres unless otherwise specified.
2. Co-ordinates are based on UTM co-ordinates obtained using hand held GPS.
3. Joint Schematically Shown

INDEX

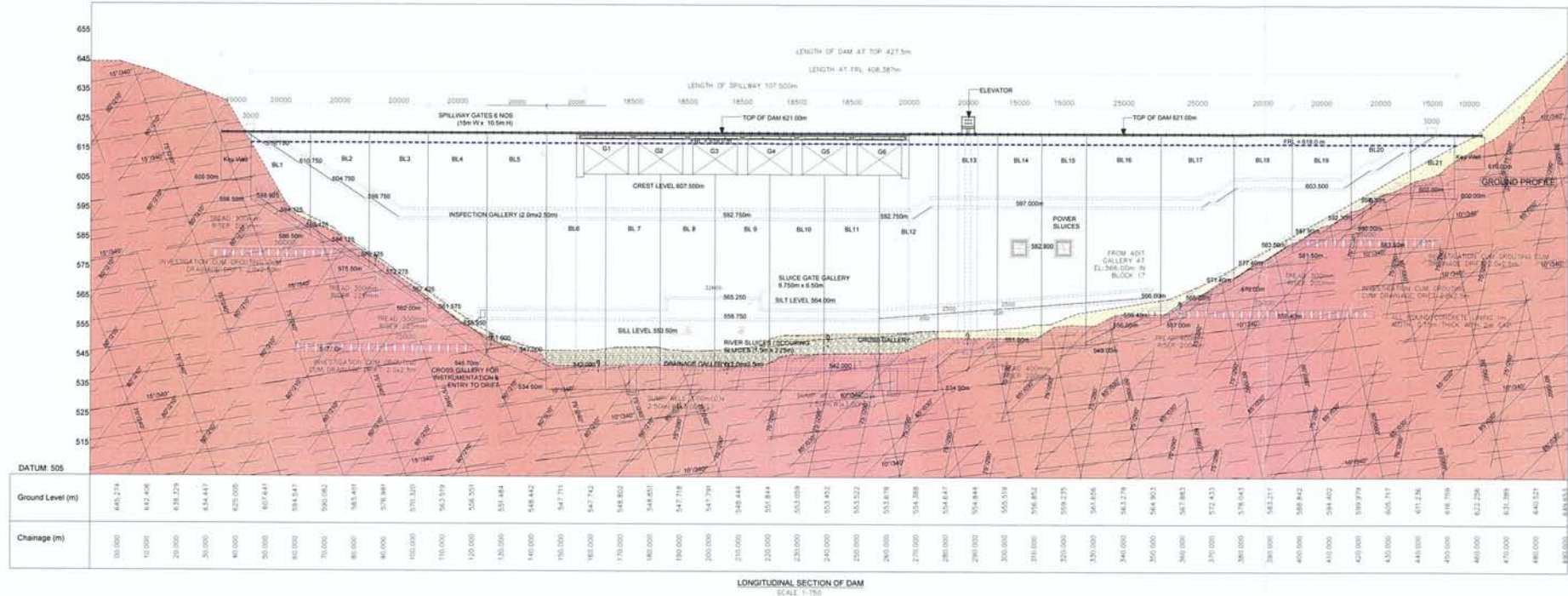
- Silt, Clay & Sand
- Slope wash and Talus material
- Sand Stone / Quartzite
- Granitic Gneiss
- Foliation & Joints
- Bore Holes Proposed



DRAWING TITLE:

Geological Section Along Dam - B

For Approval		15.06.2020		Drawn	Dr. S. S. Srinivas	Scale	As Shown	Sheet No.	02	Total No.	04
Rev.		Date		Drawn		Scale		Sheet No.		Total No.	
 Karnataka Neeravari Nigam Limited (KNNL) (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlindia.com											
CONSULTANT  EIT Technologies Pvt. Ltd., (ISO 9001:2015 Certified) # 1149, 28th Floor, Jayamahal 4th 'T' Block, Bangalore - 560 041, India. Ph: +91 85 40914714 / 40914961 info@eitech.com											
Ghatti Basavanna Drinking Water Supply Project											
Date: 15.06.2020 Project No: 1385X Drawing No: EIT-1385X-WRE-GD-GEO-A013-2 Scale: As Shown Drawing Status: For Approval Sheet No: 02 of 02 Rev: 0				Prepared by: Dr. S. S. Srinivas Checked by: Dr. S. S. Srinivas Executed by: Dr. S. S. Srinivas Supervising Engineer: Dr. S. S. Srinivas Chief Engineer: Dr. S. S. Srinivas							



NOTES:
 1. All dimensions are in metres unless otherwise specified.
 2. Co-ordinates are based on UTM co-ordinates obtained using hand held GPS.
 3. BH Schematically Drawn

INDEX

Silt, Clay & Sand
 Slope wash and Talus material
 Sand Stone / Quartzite
 Faulting & Joints
 Bore Holes Proposed



BH

Geological Section Along Dam - A

Karnataka Neeravari Nigam Limited (KNNL)
 (A Govt. of Karnataka undertaking)
 Bangalore - 560 001, India.
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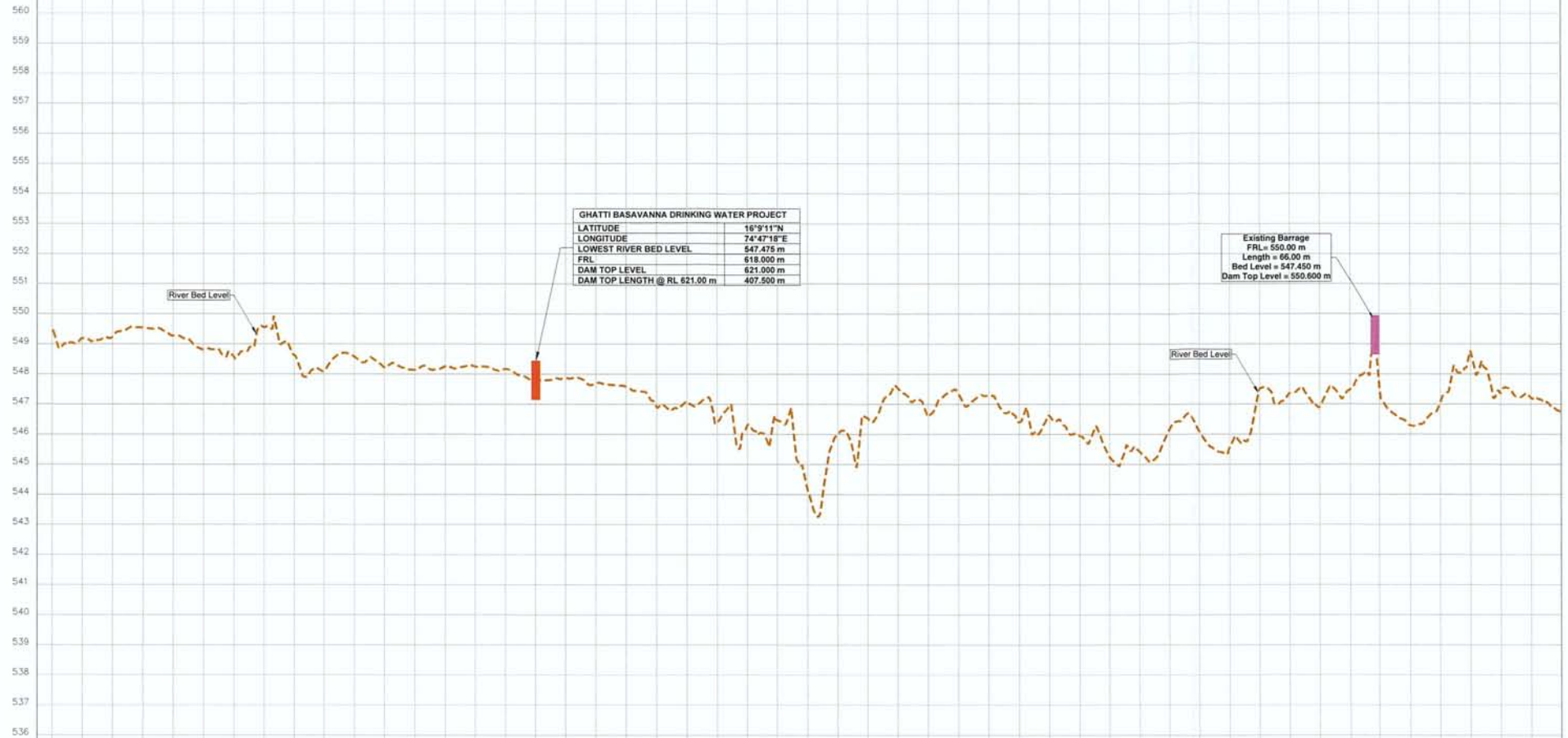
Ghatti Basavanna Drinking Water Supply Project

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

Geological Section Along Dam - A

Date: 25.06.2020
 Project No: 1355X
 Drawing No: EIT-1355X-WRE-GD-GEO-A013-2
 Sheet No: 01 of 02
 Rev: 0

Prepared by: [Signature]
 Checked by: [Signature]
 Approved by: [Signature]



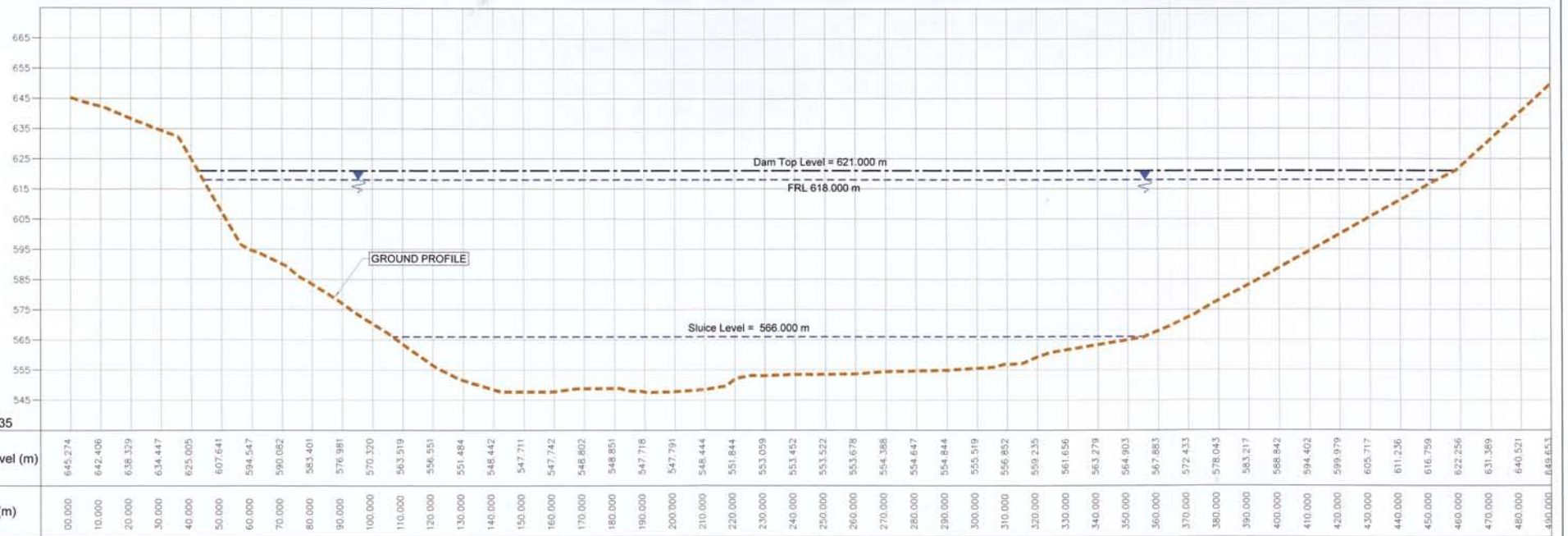
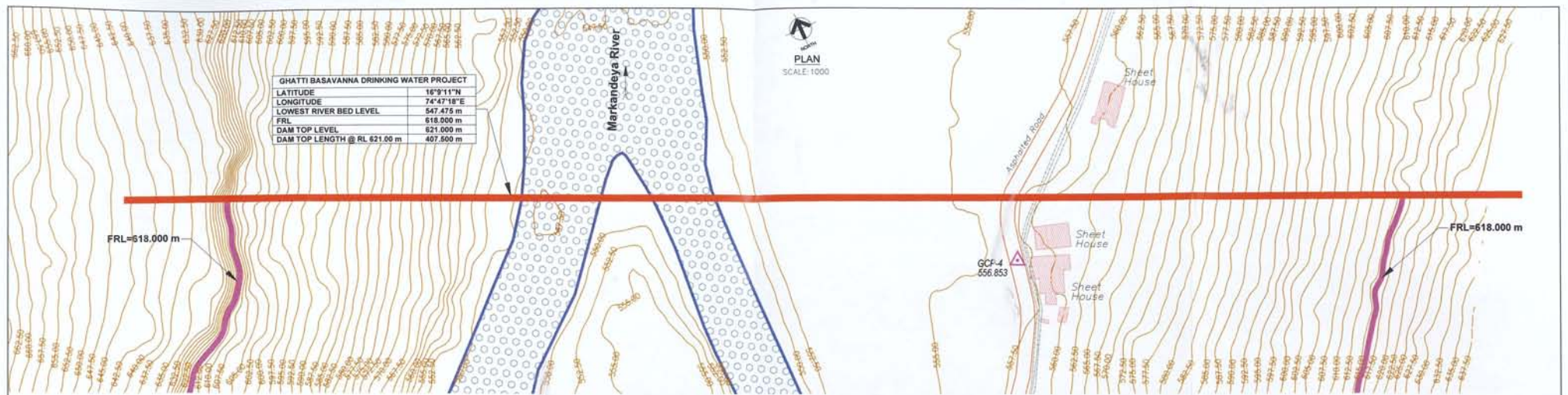
DATUM 535	
GROUND LEVEL (m)	549.457 549.189 549.223 549.536 549.269 548.806 548.581 549.553 548.629 548.104 548.584 548.216 548.137 548.254 548.248 548.164 547.475 547.869 547.679 547.588 547.924 547.095 546.401 546.293 546.467 544.184 545.954 546.538 547.532 546.591 547.350 547.280 546.405 546.611 545.946 545.257 545.421 546.159 546.101 545.545 547.513 547.371 546.897 547.480 547.698 546.291 547.033 548.767 547.353 547.198 546.749
CHAINAGE (m)	00,000 20,000 40,000 60,000 80,000 100,000 120,000 140,000 160,000 180,000 200,000 220,000 240,000 260,000 280,000 300,000 320,000 340,000 360,000 380,000 400,000 420,000 440,000 460,000 480,000 500,000 520,000 540,000 560,000 580,000 600,000 620,000 640,000 660,000 680,000 700,000 720,000 740,000 760,000 780,000 800,000 820,000 840,000 860,000 880,000 900,000 920,000 940,000 960,000 980,000 1,000,000

LONGITUDINAL SECTION OF MARKANDEYA RIVER
SCALE HOR 1:2000
VER 1:100

NOTES:
1. All Chainages and Elevations are in meters.
2. Do not scale the drawing. Follow written Dimensions only.

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

OWNER Karnataka Neeravari Nigam Limited (KNNL) (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlindia.com		DRAWING TITLE Longitudinal Section of Markandeya River at Dam Site	
CONSULTANT E I Technologies Pvt. Ltd., (ISO 9001 : 2015 Certified) # 1149, 26th Main, Jayanagar 4th 'T' Block, Bangalore-560 041, India. Ph. +91-80-40914714 / 40914961 info@eitech.in • www.eitech.in		Date 15.06.2020 Project No. 1385X Drawing No. EIT-1385X-WRE-GD-RLS-A012 Sheet No. 01 of 01 Rev. 0	
Consultant, E I Technologies Pvt. Ltd., Bengaluru.		Asst. Executive Engineer, KNNL GRBCC Sub Div.No.05, Gokak.	
Superintending Engineer, KNNL GRBCC Circle, Kiskal Dam.		Executive Engineer, KNNL GRBCC Div.No.03, Gokak.	
Ghatti Basavanna Drinking Water Supply Project			



NOTES:

- All chainages and elevations are in meters.
- Do not scale the drawing. Follow written dimensions only.

LONGITUDINAL SECTION OF DAM

SCALE H:1000
V:1000

EXECUTIVE ENGINEER,
KARNATAKA NEERAVARI NIGAM LIMITED
GRBCC DN. NO. 3, GOKAK

Rev.	Description	Date	Drw.	Chk.	App.
0	For Approval	15.06.2020	AB	AKN	SN
OWNER Karnataka Neeravari Nigam Limited (KNNL) (A Govt. of Karnataka undertaking) Bangalore - 560 001, India. www.knnlindia.com					
CONSULTANT E I Technologies Pvt. Ltd., (ISO 9001 : 2015 Certified) # 1149, 26th Main, Jayanagar 4th 'T' Block, Bangalore - 560 041, India. Ph. +91.80.40914714 / 40914961 info@eitech.in www.eitech.in					
Ghatti Basavanna Drinking Water Supply Project					

DRAWING TITLE						
Plan & Longitudinal Section of Dam						
Date 15.06.2020	Drw AB AKN	Desg AKN	Chk. SN	App. NR	Scale AS SHOWN	Drawing Status For Approval
Project No. 1385X	Drawing No. EIT-1385X-WRE-GD-PNP-A011				Sheet No. 01 of 01	Rev 0
Consultant, E I Technologies Pvt. Ltd., Bangalore.		Asst. Executive Engineer, KNNL GRBCC Sub Div.No.05, Gokak.			Executive Engineer, KNNL GRBCC Div.No.05, Gokak.	
Superintending Engineer, KNNL GRBCC Circle, Hidkal Dam.				Chief Engineer, KNNL Irrigation (N) Zone, Belagavi.		

