

VISVESVARAYA JALA NIGAM LIMITED

Phone No: 08261 245686

E Mail id: eeubp3@gmail.com

Office of the Executive Engineer

VJNL. U.B.P Division no.3

Ajjampura-577 547

NO: EE/VJNL/UBP/D-03/Ajjampura/PB-1/Package-3/Work done/2023-24/07 dated : 11/04/23

TO WHOMSOEVER IT MAY CONCERN

This is to certify that M/s. Shankaranarayana Constructions Pvt. Ltd. having their Registered office at "SNC House", 4th floor, No 7, Residency road(Old No 9, Raja Ram Mohan Roy Road), Bangalore - 560025 has been awarded the works of "Survey, Planning, investigation, design, estimation and construction and maintenance of 6.90 k.m. (approximate) tunnel connecting lift canal from Bhadra Reservoir to Chitradurga gravity canal near Ajjampur, including tunnel Approach and exit - Package-III" on EPC Basis.

Ref: SNC/TND/BGR/2023-24/231 dated: 13.04.2023

1.	Name of Work:	Survey, Planning, investigation, design, estimation and construction and maintenance of 6.90 k.m. (approximate) tunnel connecting lift canal from Bhadra Reservoir to Chitradurga gravity canal near Ajjampur, including tunnel Approach and exit - Package-III.
2.	EPC Contractor	M/s. Shankaranarayana Constructions Private Limited
3.	Work Order No:	KNNL/UBP/DN-3/PB/PKG-3/WORK ORDER/2008-09/161
4.	Agreement: Reference No:	01/2008-09 dated: 20.10.2008
5.	Actual date of Commencement	22.06.2013 The delay in commencement is due to Land acquisitions, agitation by locals and formation of Expert committee by the Government to resolve the issues.
6.	Contract / Agreement Value:	Rs. 223.96 Crores
7.	Amount of work Completed as per tender clause.	Rs. 359.70 Crores.
8.	Actual Date of completion	31.05.2019.
9.	Tunnel Details	Modified Horse Shoe shaped Total Tunnel Length = 7039.50 m Excavated Diameter = 8.30 m Finished Diameter = 7.20 m Cross Sectional Area of tunnel = 50.60 Sqm. By Drill & Blasting method = 6139.50 m. By NATM method = 900m.
10.	Discharge	79.37 Cumecs

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The details of work executed by the agency are as follows:


Sl No	Description	Unit	Quantity executed						Total Quantity	
			2013-14	2014-15	2015-16	2016-17	2017-18	2018-19		2019-20
1	<u>Canal Excavation:</u>									
a.	Rock excavation by control blasting	Cum	56,102	7,008	3,47,164	4,81,008	186,155	23,164		11,00,601
b.	<u>Tunnel Excavation:</u> Tunnel excavation using tunnel boomer	Cum	0.00	26,927	1,19,700	1,29,616	72,852	23,913		3,73,008
2.	Permanent Support in tunnel / Structural steel	MT	0.00	346	458	754	306	137		2001
3.	<u>Tunnel Concrete</u>									
a.	Tunnel lining by Hydraulic Gantry (9m length) - M25	Cum	0.00	0.00	1,797	17,255	23,538	15,816		58,406
4.	<u>Structure concrete</u>									
a.	M15	Cum	0.00	0.00	0.00	595	880	102		1,577
b.	M20	Cum	0.00	272	0.00	216	435	3,748		4,671
5.	<u>Canal lining concrete</u> CC Lining - M20 (100mm thk) with mechanical paver.	Sqm	0.00	0.00	0.00	33,120	24,480	5,760		63,360
6.	Reinforcement Steel	MT	0.00	78	82	324	773	806		2,063
7.	Shotcreting with wire mesh	Sqm	0.00	0.00	787	15,613	56,213	23,393		96,006
8.	<u>Length of tunnel completed</u>									
a.	By Drill & Blasting method	Rmt	0.00	500	2279.50	2320.25	843.25	196.50		6,139.50
b.	NATM tunneling	Rmt	0.00	0.00	0.00	138.25	505.75	256		900
9. a	Financial Progress	In Rs. Crore	2.61	20.35	41.81	63.06	51.26	30.56		209.66
b.	Escalation	In Rs. Crore	-	6.95	20.00	30.30	25.69	13.47		96.40
c.	Total financial progress	In Rs. Crore	2.61	27.30	61.81	93.36	76.95	44.03	53.64	359.70

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SI No	Tunnel & CD structures	Unit	Qty	Remarks
1	Tunnel (Modified Horse shoe shaped tunnel of dia 8.2m) with boomer			
a.	Tunnel by Conventional method (Drill & Blasting Method)	Rmt	6139.50	
b.	Tunnel by NATM	Rmt	900	
	Total	Rmt	7039.50	
2	Canal	Rmt	2881.50	(225.50 m at approach & 2656.00 m at exit)
3	Construction shaft	Nos	1	(9.6m dia and 47m depth)
4	Super Passages	Nos	2	
5	Road bridge	Nos	5	

- The agency has executed tunnel by NATM method using Lattice girder, forepoling and shotcreting where the rock strata of tunnel is in very poor condition.
- The agency has completed the construction of shaft of dia. 9.6m and depth 47m.
- The agency has executed maximum tunnel length of 2458.50m (Inclusive of tunnel excavation through NATM) in the financial year 2016-17.
- The agency has successfully completed the project.

The Project completed by agency is satisfactory and time extension granted without panalty from Competent Authority.


Executive Engineer
VJNL UBP Dn. 3
Ajjampura-577 547, Tarikere Te