NCC SWSM PROJECTS – UP – GORAKHPUR

Project Name: Survey, Design, Preparation of DPR, Construction, Commissioning and O&M for 10 years of

Various Rural Water Supply Project in the State of Uttar Pradesh— Gorakhpur District : SWSM/DWSM-UP-GKP

Consultant : Medhaj Techno Concept Pvt. Ltd.

Contractor : NCC Limited

Request For Inspection

	Request For Inspec	etion	
RFI No:	SWSM-UP-GKP/S/ TW/Bolg 100 /22/R,	Date And Time -	1-
Description:	Rectification of Continue	09/2	4) 2022
Location:	Block - Belghat, Corfliance.	71	
Preceding RFI No.	, Git - likul	igado.	
Commencement of work:	ogloulzen		
Submitted By:	Balson Garas		
Signature:	BG,		
Designation:	Je (civic)		
oncessionaire:			
ame:		Proceed	Hold
esignation:			8.
omments: D fee	er Coccuel Test Depart 15 at	Yacked,	

Contractor Representative

Signature Consultant Representative

Signature Client Representative



SWSM PROJECTS – UP – GORAKHPUR

Project Name: Survey, Design, Preparation of DPR, Construction, Commissioning and O&M for 10 years of

Various Rural Water Supply Project in the State of Uttar Pradesh— Gorakhpur District

: SWSM/DWSM-UP-GKP

Consultant

: Medhaj Techno Concept Pvt. Ltd.

Contractor

: NCC Limited

Request For Inspection

RFI No:	SWSM-UP-GKP/M/S/TW/Belghat/2	Date And Time - 08/04/2	2022 & 8:30pm
Description:	Lowering of pripe with as		
Location:	Block -Belghat, GP- Ti	Kuliyadar.	
r receding RFI No.	NA.		
Commencement of work:	09/04/2022		
Submitted By:	Balaram Gorai		
Signature:	Bg		
Designation:	JE (civil).		
Concessionaire:		Proceed	Hold
Name:			200
Designation:			1 = 7
O Dur	ing Site vixit. All T.W. Specification ea grapel. test report	not provided on	d ou per .
agrain de Nati			

1202 - BK

Signature **Contractor Representative** Signature Consultant Representative

Signature Client Representative



NCC LTD.

STATE WATER AND SANITATION MISSION



CLIENT: JJM / SWSM / DWSM

GORAKHPUR-UP

SIEVE ANALYSIS OF PEA GRAVELS (SIZE-1.6 mm to 4.8 mm)

(As per IS: 460 and IS: 4097)

Date of Testing: 08/04/2022

Test report no: Nel and-stact sto 3

SL NO.	DESCRIPTION	OBSERVATIO	ONS	
1	Source of material :	ralkvan, Naintal		
		Block Name- BELGHAT		24
2	Location:	G.P Name- TIKULIYADAR		·
3	Date of sampling :	07/04/2026		
4	Lab. Test no:	103		
5	Sample no. :	103	K	4
6	Total wt. of sample (gm) :	loougn	*	8 =

SIEVE ANALYSIS

IS Sieve Size	retained	Cumulative wt. Retained (gm)	Cumulative % wt. Retained	% passing	Acceptable / Not Acceptable
6.3 mm	03	03	0.3	99.7	0)<
4.75 mm	317	320	32.0	68.0	6.k.
2.36 mm	467	787	78.2	21, 2	6/5
1.18 mm	210	992	99.2	0.3	1/4
Pan	03	3			
Total(gm)=					

The Hardness of Material is=

Note:- The Hardness value should not be less than 5 in Moh's scale.

NCC LTD.

PMIC/TPIA

CLIENT

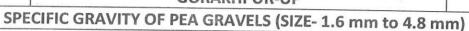


NCC LTD.

STATE WATER AND SANITATION MISSION

CLIENT: JJM / SWSM /DWSM







	401110 011	TOIL OILE	GIVANTES (SIZE- T.O	mm to 4.8 mm)
		As per	IS: 2386 (Part-3)	
Date of Testing-	08/04/	2022		
Test report no:	Nela	ixt-5/8/1810	3	¥
SL NO.	DESC	CRIPTION	.0	BSERVATIONS
1	Source of	material:	Lalkvon Noir	Hol (Attraction)
2	Location		Lalkvon, Noir	CK- BELGHAT
	Location		NAME OF THE GRAI	W PANCHAYAT - TIKUU YAOAR
3	Date of sa	ampling:	07/04/2022	in the first of th
4	Lab. Test	no:	103	a 4 , 2 & 4
5	Sample no	o:	103	
81 2 5 8	SPECIFI	C GRAVITY TI	EST AT ROOM TEMPE	ERATURE
6	Weight of	the Jar, W1	(gm)=	2529m
7	Weight of	Jar + Gravel,	W2 (gm)=	252gm 457gm
8	Weight of	Jar + Gravel	+ Water, W3 (gm)=	850 gr
9	Weight of	the Jar + Wa	ter, W4 (gm)=	724gm
10	Specific	W2	- W1	
10	Gravity =	(W2 - W1)	- (W3 - W4)	$\frac{205}{205-126} = 2.59$
			9 9 .	

Note: The Specific Gravity should not be less than 2.5

NCC LTD.

PMC/TPIA

CLIENT

		DOME HELLI	SWSM/DWSM	
	0 001 0 0	NCC LT	D GORAKHPUR (UP)	
NAME OF THE	Color, Linguis			TYPE OF RIG M/C- RC
NAME OF THE	BULLITIFI			SIZE OF BORE- 600/500 mmf
	GRAM PANCHAYAT- TIKULI YA			STATIC WATER LEVEL- 1371
NAME OF THE	VILLAGE BAHADURPUR K	HURD		J.E Incharge A.E Incharge
	DISCHARGE-	600 LPM		
DEPTH B.G.L IN METER	BORING CHART	STRATA	EXECUTED ASSEMBLY AGU-	ASSEMBLY DETAILS
oM		01	AGL.	300 mm Dia Housing Pipe A.G.L= 0.50 m
UII	1. [] . [.]	1111111111	 	300 mm Dia Housing Pipe m to 3619 m
	//././	CONONCIA	-	300/15 omm Dia Reducer 35-6 4m to 35-8 4m
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	SANDYCLAY	-	
			-	150 mm Dia BL/ND pipe 35-84 m to 8/37m
			-	150 mm Dia \$10/6Dpipe \$137 m to 93. 7m
20.0 M				150 mm Dia BUNDpipe 93-44 m to 99.19m
		31		150 mm Dia Sto TBD pipe 99.19 m to 102.19
		MEDIUMSAND		150 mm Dia BLINDpipe 102.19 m to 26.2 h
32.0M	2 -6 - 6 . ?			150 mm Dia Sto / BDpipe 26.21 m to 29.2 m
	1:1-1:11:11:	SANDYCLAY	35.641	3
36.0M		MEDIUMSAND	35.841	
yzom -		, we will be the second		mm Diapipem tom
.0.0M	10/0/0/0/	CONCRETE CLAX	2	D'
VII		cor cre is cury		D'
	- 0 0	10.00.11.10.10		D'.
J-on	0 - 1	MEDIUM SAND.		mm Diapipem tom
0-011	7. 1 1. 1. 1. 1. 1. 1. 1.			mm Diapipem tom
	7-1-1-1-1-1			mm Diapipem tom
	1-1-1-1-1-1	SANDYCLAY		mm Diapipem tom
10-0M -				mm Diapipem tom
16.0M	- 4 - 0 - 0 . 0	MEDIUM SAND		mm Diapipem tom
0.0M	/0//0//0	CONCRETECLAY	81.37M	mm Diapipem tom
				mm Diapipem tom
•	- 4		111111	mm Diapipem tom
•	8 9 - 9 1	MEDIUM SAND	93.441	mm Diapipe m to m
			93.441	mm Diapipe m tom
	0			Total Assembly= 133.21 m + A.G.L (m) = 133.71 m
3.0M	6		102.19M	ABSTRACT
	1.1.1.1		10211111	1.Drilling Started-
	11/1/1/			
		C2110		2.Drilling Completed/Lowering- 09/64/2022
		SANDYCLAY		3.Drilling Depth (m)- 145.6M
	1.1.1.1			4.Assembly Lowered (m)- 133.71 M
	11-11-1		117, 1180	5.Housing Pipe (m)- 36.14 M
5.0M .			126-2117	6.Plain Pipe(m)- 79.30 M
`	9	MEDIUM SAND		7.Slotted Pipe(m)- 18.0717
5.0M -	1 1 7 7 7		133.21M	8.Reducer(m)- (3 .20)~1
			00.00	LOGGING REPORT
		CLAX	- BAILPLUC	1· 20 - 32 → 12·0
5.0M			-	2 35 - 42 7 7.0
				3 47 -57 7 10.0
				4 70 - 75 7 5.0
			2	5 80 - 95 -> 15.0
				6 98 - 103 > 5.0
		*		⁷ 125-135 7 10.0
				8-
D TEST	A		_	9-
CALITY TEST	147			10-
MAN!	Ja Col	10		Selw
2 1300	(Mandred P)	110 11	The state of the s	77
NCCLI	D J.E.	(Babbongalas)	P.M.C/T.P.I.A	1
000		•	ravi.C1.P.I.A	E.E



Aqua Xplore

(Groundwater Assessment & Allied Services)

243/5, New Colony Jiyamau, Hazratganj, Lucknow – 226001 Mob. 9918202546 / 9889323322, Email-aquaxplorelko@gmail.com

Advisor- Dr. R. A. Yadav, ex- Manager(Groundwater), U. P. Jal Nigam

Ref. 407 -- TB / AX - 2022

Date 07.04.2022

Geophysical Borehole Logging Report

Name of the site: Tikuliyadand, Block-Belghat

District

: Gorakhpur

Date

: 07.04.2022

Depth logged

: 140.0 mbal

Depth drilled

: 145.0 mbgl- as reported

Logged by

: Aqua Xplore

Presence

: Representative of M/S NCC Limited, Gorakhpur - South

Based on the interpretation of geophysical logs, following information may be deciphered, particularly with respect to salinity of the formation water;

SI.No.	Depth range(mbgl)	Thickness(m)	Remarks
1	20.032.0	· 12.0	
12	35.042.0	7.0	
1	47.057.0	10.0	Good all
A.	70.075.0	5.0	
8	80.095.0	15.0	
8	98.0103.0	5.0	2
1	125.0135.0	10.0	

Nota

as project

CAROGEOLOG

for Aqua Xplore

CC;

1. Executive Engilleer, Sp.D. (Rural), U.P.Jal Nigam, Gorakhpur.

2. M/S NCC Limited, Gorakhpur -South, SWSM.



TECHPRO ENGINEERS PVT. LTD.

(Laboratory Division)

Lab Add. 131, Ram Ganga Housing Society, Naramau, Kanpur- 209217, Tel.: 0512-2525759, 09793209918, Web site: www.techproindia.com

e-mail: tepllab@gmail.com, info@techproindia.com,

Doc No.: TEQR-36C, Issue No.: 02, Issue Date: 18/08/20, Rev. No.: 01, Rev. Date: 10/12/2020
TEPL/MT/2022/136/R1
Dated: 05-03-2022

TEST REPORT

Name of Customer	:	Jal Nigam, Gorakhpur
Project	:	SWSM-JJM Project (Har Ghar Jal Mission) at Gorakhpur U.P.
Reference No.	:	SWSM-UP/GKP/QC/77
Sample supplied to Lab by	:	Customer representative
Name of Contractor/ Agency	:	NCC Ltd.
Sample Particulars	:	Pea-Gravel

Sample Receipt Date	:	03/03/2022	Job No.		MT136
Condition of sample	- :	Satisfactory	SRF No.	:	2022/29
Type of Sample	- : l	Pea-Gravel	ULR No.		NA
Source of sample		Lalkuan (Uttarakhand)	Period of Testing		03/03/2022 to 05/03/2022

Terms & Conditions:

1	Results relate only to the test sample provided by customer.
2	This report is under copyright of Techpro Engineers Pvt. Ltd. (Laboratory Division) and is not to be reproduced, copied, handed over third party or used for any purpose other than for which it has been loaned.
3	The tested samples are retained for three months after issue of test report (if not collected by customer).
4	The unique identification of sample is as Job No. / Chainage No. /BH. No./SI. No. But only SI. No is mentioned in results.



Checked By:

Alok Chaulon

Alok Kumar Chauhan (Technical Manager)



Approved By:

Arvind Kumar Garg (Quality Manager)



TECHPRO ENGINEERS PVT. LTD.

(Laboratory Division)

Lab Add. 131, Ram Ganga Housing Society, Naramau, Kanpur- 209217, Tel.: 0512-2525759, 09793209918, Web site: www.techproindia.com

e-mail: tepllab@gmail.com, info@techproindia.com,
Doc No.: TEQR-36C, Issue No.: 02, Issue Date: 18/08/20, Rev. No.: 01, Rev. Date: 10/12/2020

1. PHYSICAL TEST RESULT OF PEA GRAVEL

Sample Unique ID: MT136/TEPL/02

SI. No.	Particular of Test		Test Passing %	Specification As Per IS (383 & 4097)	Test Method	Remarks					
		12.5 mm	100								
	Sieve	8.0 mm	100	8		8 V					
4.0	.0 Analysis (% by	6.30mm	100		V2						
1.0		4.75 mm	80.90	-	IS 2386 (Part-1) 1963, RA-2016	-					
	weight)	3.35 mm	14.40		1903, RA-2010						
		2.00 mm	8.60								
2.0	Combined Flakiness & Elongation Index (% by weight)		0.0	40 Max	IS 2386 (Part-1)-1963, RA- 2016	Partical Size >6.3					
3.0	Water Absorption (% by weight)		0.90	5 Max	IS 2386 (Part-3)-1963 RA-2016	-					
4.0	Specific Gravity		Specific Gravity	Specific Gravity	Specific Gravity		Specific Gravity	2.66	2.1 - 3.2	IS 2386 (Part-3)-1963 RA-2016	- ,
5.0	Hardness Test	(Number)	7.3	5 Min	IS 13630 (Part-13)-2006	-					
	Bulk Density , Kg/litre a) Compacted		nsity, Kg/litre		IS 2386						
6.0			1.59	NA	(Part-3)-1963	-					
	b) Loose		1.49	NA	RA-2016	13					



Checked By:

Alok Chauhan Alok Kumar Chauhan (Technical Manager)



Approved By:

Arvind Kumar Garg (Quality Manager)



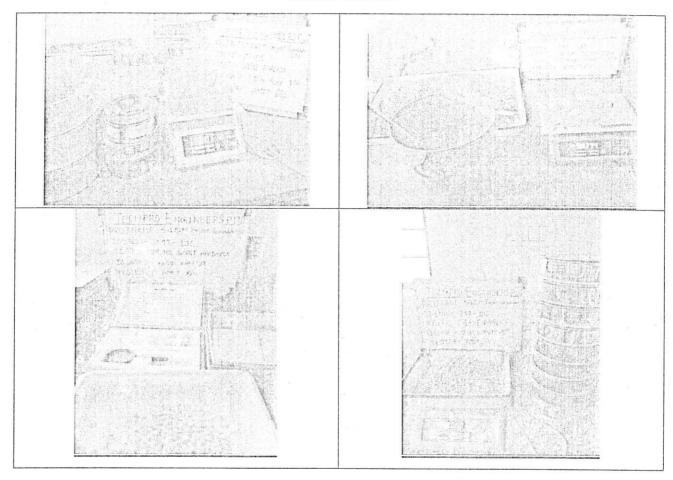
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e-mail: tepllab@gmail.com, info@techproindia.com, Doc No.: TEQR-36C, Issue No.: 02, Issue Date: 18/08/20, Rev. No.: 01, Rev. Date: 10/12/2020

PHOTOGRAPHS

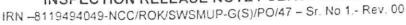




END OF REPORT

TUV INDIA PRIVATE LIMITED

INSPECTION RELEASE NOTE / CERTIFICATE





TUV India Control Or

SAP Number:

8119494049

Date:

Name:

10-12-2021

Project Name &

Location

Gorakhpur South Project

State water and sanitation Mission

TUV India Branch

Noida

TUV India Client Name:

M/S. DADU PIPES PVT LTD

End User Name:

Executive Director, State Water and

Sanitation Mission, (U.P)

Contractor Name &

NCC LIMITED.

Sub Contractor Name & Location

P.O. Number:

Not Applicable

Location

Vendor Name & Location:

M/s. Dadu Pipes (P) Ltd. A-72, Ind. Area, Sikandrabad Bulandshahr (U.P)

(Client PO on Vendor)

NCC/ROK/SWSMUP-G(S)/PO/47

Dt. 03.12.2021

Sub Vendor Name &

Location: (if applicable)

Not Applicable

P.O. Number: (if applicable - Vendor PO on Sub Vendor) Not Applicable

Item Description:

PO Item No.	Item Code Item Description	UOM	P.O. Quantity	Offered Quantity	Accepted Quantity	Cumulative accepted Quantity
1	200 MM Dia MS ERW Plain End pipe 6 Mtr Length, WT:5.40 MM Thick as pr IS:4270, Varnished.	Mtrs	576	588	576	576
2	150 MM Dia MS ERW Plain End pipe 6 Mtr Length,WT:5.00 MM Thick as pr IS:4270, Varnished.	Mtrs	1758	1770	1758	1758
3	MS ERW Plain end Slotted Pipe 150 mm Dia, Wt:5.40 MM conforming to IS:4270. 6 Mtr length, Slotting as per IS:8110 & Zig -Zag Slots ,Length 75mm x 1.20mm and slots per meter 780 Nos (+) 10%, Varnished.	Mtrs	438	438	438	438

Reference Documents:

Sr. No.	Document Name		Vendor Document Number	Approval Status
1)	PR/MR/ARM	Not Applicable	Not Applicable	Not Applicable
	QAP/ITP/QCP	DPPL/31/QP/01 Rev 0	Not Applicable	Approved by client
2) 3)	Drawing(s)	Not Applicable	Not Applicable	Not Applicable
4)	Datasheet(s)	Not Applicable	Not Applicable	Not Applicable
	Procedure(s)	Not Applicable	Not Applicable	Not Applicable
5) 6)	Others (Specify)	IS 4270, IS 8110, IS 4711	Not Applicable	Approved

Stages Witnessed: (For PO Sr. No 3 - Scope as per QAP sr. no 3.1, 3.4,3.5 only & All for rest)

1) Total offered quantity verified.

2) QAP Sr.No 3.5 Visual inspection done for surface defects, workmanship and protective coating for all items- found

3) QAP Sr.No 3.1 Final dimension inspection done Thickness, Outer Diameter, Length & weight for randomly selected items as per IS 4711 - found within limits - found satisfactory.

4) QAP Sr.No 3.2 Mechanical testing (Tensile, Flattening) checked on identified samples - found to meet the specification requirement (IS 4270) - found satisfactory.

Disclaimer: The inspection by TUV India Pvt. Ltd., review of Test Certificates / Reports and issue of Inspection Release Note / Certificate does not relieve Client / Supply towards the Client / End User to supply the genuine material / item(s) and document(s) in full compliance with applicable Driter, Specification. Technical, Quality, Quantity / stockiest is wholly legisty responsibility is only limited to corrective within its agreed scope against written requirements and neither TUV India one may of its group companies; associates or employees are in any way legisty responsible for within its agreed scope against written requirements and neither TUV India nor may of its group companies; associates or employees are in any way legisty responsible for within its agreed scope against written requirements and neither TUV India nor may of its group companies; associates or employees are in any way legisty responsible for within a agreed scope against written requirements.

custoration commonts.

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TUV INDIA PRIVATE LIMITED



INSPECTION RELEASE NOTE / CERTIFICATE

IRN -8119494049-NCC/ROK/SWSMUP-G(S)/PO/47 - Sr. No 1.- Rev. 00

- 5) QAP Sr.No 3.3 Hydro test done randomly selected @5% items at 7Mpa test pressure and hold period 3 seconds minimum - observed no pressure drop - found satisfactory.
- QAP Sr.No 3.4 Identification marking checked randomly found in order.
- All measuring instruments/ equipment were verified for continued suitability for intended use, proper identification, calibration status, traceability to national standards & found satisfactory.

Documents Reviewed:

- QAP Sr. No. 1.1 Raw material test certificates reviewed for its technical content only as declared by manufacturer and endorsed by vendor- Found to meet the applicable code and project specification requirement
- QAP Sr. No. 1.2, 1.3 & 1.4 Physical Properties, Dimension & Visual report of Raw material reviewed found in order.
- QAP Sr. No. 2.1-In-process Dimension inspection report reviewed and found in order.
- 4) QAP Sr. No. 2.2 In-process Mechanical testing report reviewed and found in order.
- QAP Sr. No. 2.3 In-process Hydro testing report reviewed and found in order.
- QAP Sr. No. 2.4 In-process workmanship & protective coating report reviewed and found in order.
- Material test certificates Number DPPL/QC/TC-01212 Date 10.12.2021 reviewed and found in order.

NCR / Waiver(if Any):

None

Identification:

Inspected items identified with TUV Hard stamp " on OD near manufacturers

marking.(Double on witnessed & rest single)

Order status:

☑ Complete ☐ Incomplete

Sub order status: (II applicable)

☑ Complete ☐ Incomplete

Date(s) of Inspection:

10.12.2021

Conclusion:

All items were inspected within the scope defined in approved PO, QAP, specifications &

Found to meet the requirements of purchase order & Specifications.

Gaurav Kumar Inspector(s) to TUV India Private Limited

Distribution List: ☑ TUV India Client/End User☑ TUV India Executing /Originating Branch☑ Vendor/Sub Vendor Revision Number (If Applicable):00-Type Reason for revision here.

This Document Supersedes IRN No.: Mention previous IRN Number.

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castration certificate.

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Form No.: F / INSP / IRN / 03 - R7; Revision Date: 13.03.2020 Page 2 of 2



0

State Water and Sanitation Mission Government of Uttar Pradesh

Salient Feature

Name of the State : Uttar Pradesh
Name of the District : Gorakhpur

Name of the Block : Belghat

Name of the Programme : Jal Jeevan Mission

Name of the Gram Panchayat : Tikuliyadar

No. of Village/Habitations : 2

Table 1: List of village and Habitation

District	Sub District	Block	Gram Panchyat	2011 Census Code	Revenue Village	Habit ation Sr. No	Habitation Name
Gorakhpur	Gorakhpur	Belghat	Tikuliyadar	187340	Tikuliyadar	1	Tikuliyadar
Gorakhpur	Gorakhpur	Belghat		187333	Bistuie	1	Bahadurpur

Table 2: Gram Panchayat Population Summary

s. No.	DESCRPTION	TOTAL	SC/ST	HOUSE HOLDS
1	As Per Census 2011	1705	58	258
2	Initial Stage 2022	2270 /	77	343
3	Intermediate Stage 2037	3340	114	505
4	Ultimate Stage 2052	4910 /	167	743

Rate of Water Supply : 64.70 LPCD (Added 15 % losses over 55 LPCD)

Nature of Sources : Ground Water
Source of Development : Tube Well

Daily Water Demand Summary :

a) Initial Year 2022 : 147 KLD b) Intermediate Year 2037 : 216 KLD

c) Ultimate Year 2052 : 318 KLD

Number of Tube Wells : 1

Nature of Treatments : Chlorinator through HDPE Tank (100L) and Dosing metering pump (0-

6LPH)

Average Dosing Capacity : 0.50 PPM

Pumping plant for Tube Well

a) No. and Type of Plant : 1

b) Anticipated Discharge : 600LPM

0

0

0

c) Total Working Head

: 43m

d) Motor (HP)

: 12.5HP

Service Storage

a) Quantity

: 1

b) Capacity

: 175 KL

c) Staging

: 14m

Pipeline Summary

Table 3: Rising Mains

Pipeline Type	From	То	Material	Class	Diameter (mm)	Length (m)
Rising Mains	TW - 1	OHT-1	DI	K-9	150	35
	T	otal Length of l	Rising Main (m)			35

Table 4: Distribution Network Summary

			Diameter		
Sr.No.	Pipe Material	Pressure Class	(mm)	Length (m)	
1	HDPE, PE100	PN6	63	4,408	
2	HDPE,PE100	PN6	75	533	
3	HDPE, PE100	PN6	90	585	
4	HDPE, PE100	PN6	110	738	
5	HDPE, PE100	PN6	125	387	
7	HDPE, PE100	PN6	140	329	
8	HDPE, PE100	PN6	180	617	
	Total Pip	e Length (m)		7597	





Estimate for Tikuliyadar Gram Panchayat Water Supply Scheme Under - SWSM Block-Belghat District- Gorakhpur

BOQ Item No.	Description	Unit	Qty	Rate	Amount
	Survey, Design & Preperation of DPR		1		
1.01	All the works including Hydrological survey, topographical survey, Design charges including preparation and approval of DPR	LS	1,00	240100.00	24010
2.00	Drilling of Borehole for Tubewell construction by DC/RC/DTH Rig Machine including transportation, erection, dismantling of Rig and assosiated T&P complete in all respect including required all material labour etc.			- CONTROL OF THE PROPERTY OF T	
nemotral) semente tronnesso ((10, 2100)).	RIG Transportation for Tube Well Construction				
2.01	Transportation, Installation Dismantling of Rig machine and logging of bore hole	Job	1.00	159478.88	15947
2.02	Tube Well Construction- Drilling of Borehole				
2.03	DC/RC Drilling up to 100Mtr.				Y-080108-1000000000000000000000000000000
2.04	400 MMØ	Mtr.		1638.27	***************************************
2.05	450 MMØ	Mtr.	*******************************	1834.20	
2,06	500 MMØ	Mtr.	100.00	2013.00	20130
2.07	600 MMØ	Mtr.	The second second section is a second	2422.00	** 100-10* 10* Talance and concerns and
2.08	DC/RC Drilling from 101 Mtr. To 200 Mtr. Deep			18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	*** **********************************
2.09	450 MMØ	Mtr.		1960.88	**************************************
2,10	500 MMØ	Mtr.	45,00	2144.00	9648
2.11	600 MMØ	Mtr.	********	2510.25	- 10000 and increase and an arrangement of the contract of the
2.12	DC/RC Drilling from 201 Mtr. To 300 Mtr.Deep 450 MMØ			j-W1101011111111111111111111111111111111	Assessment from a restrict of the state of
2.13	1500 MMØ	Mtr.		2831.63	
2.14	600 MMØ	Mtr.	***************************************	3014.75	The Children Constitution
2.15		Mtr.	ara waxani mayan isida da	3381.00	e-reserves #25 & conde
2.17	DC/RC Drilling from 301 Mtr. To 400 Mtr.Deep & above		***********************		versoren eren eren eren eren eren eren eren
2.17	500 MMØ	Mtr.	State State Constitution and a second	3319.35	· · · · · · · · · · · · · · · · · · ·
2.19	600 MMØ	Mtr.		3502.48	9 (martin et al martin al
2.19	DTH Drilling upto 200.0 Mtr.Deep	Mtr.		3868.72	
2.21	200/165 MMØ (in over burden/Hard Rock)		***************************************	*250.00	
2.22	Development / Flushing of tubewell	Mtr.		1250.00	1 F 10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
bu shi da	Tubwell Assembly (Supply + Fittings & Specials)	Нг.		2900.00	
3.01	MSERW plain pipe, As per IS 4270				
3.02	100 MMØ	3.7.	Note Chall by the by the boundary bear	000000	
3.03	150 MMØ	Mtr.	5 (00	927.50	
3.03	200 MMØ	Mtr.	76.00	1900.00	1444(
3.05	300 MMØ	Mtr.	36.00	2550.00	
3.05	#1/ WEST TAKES A TOTAL AND A T	Mtr.	36.00	3800.00	13680
3.07	MSERW Pipe slotted pipe as per IS 8110 100 MMØ		******************	1366.05	reactivity and wholes an amount
3.08	150 MMØ	Mtr.	10.00	1366.85	
3.09	200 MMØ	Mtr.	18.00	2800.00	5040
3.10	300 MMØ	Mtr.	and the second second second second second	3833.80	
3.10	MS fittings such as clamp, bail plug, reducer, well cap, girder &	Mtr.		5188.59	The structure of the State of t
3.11	support structure	LS	1.00	32295.00	3229
3.12	MS fittings such as ring & centre guide	RM	130.00	471.68	6131
	Tubwell Assembly Lowering Works		\$400.000 mod # complete (c) complete		
fā.	Lowering of above assembly with welding of parts complete in all respect with all required				
	material, T&P, labour, etc.				
4.01	Lowering up to 100 Mtr. Deep		**************************************		*******************************
4.02	100 MMØ MSERW Plane/Slotted Pipe		k = 171.000.0000.0000.0000.0000.000	100 45	roomer on the same
4.03	150 MMØ MSERW Plane/Slotted Pipe	Mtr.	64.00	129.45	1400
4.04	200 MMØ MSERW Plane/Slotted Pipe	Mtr.	64.00	281.00	1798
4.04	300 MMØ MSERW Plain/Slotted Pipe	Mtr.	3600	376.50	
4.06	Lowering from 101 Mtr. To 200 Mtr. Deep	Mtr.	36.00	472.00	16992
representation of the contract	150 MMØ MSERW Plane/Slotted Pipe	Mtr.	30.00	27£ 00	1100
	The state of the s		20.00	376.00	1128



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BOQ Item No.	Description	Unit	Qŋ	Rate	Amount
4.08	200 MMØ MSERW Plane/Slotted Pipe	Mtr.	T	499.19	
4.09	300 MMØ MSERW Plane/Slotted Pipe	Mtr.		745.58	2
4.10	Lowering from 201 Mtr. To 300 Mtr. Deep			11934	
4.11	150 MMØ MSERW Plane/Slotted Pipe	Mtr.	1	385.19	
4.12	200 MMØ MSERW Plane/Slotted Pipe	Mtr.	I	459.00	***************************************
4.13	300 MMØ MSERW Plane/Slotted Pipe	Mtr.		606.62	***************************************
4.14	Lowering from 301 Mtr. To 400 Mtr. Deep & above			***************************************	***************************************
4.15	150 MMØ MSERW Plane/Slotted Pipe	Mtr.		426.53	NOT NOW ASSESSMENT ASSESSMENT OF THE PARTY O
4.16	200 MMØ MSERW Plane/Slotted Pipe	Mtr.		499.00	### - 77 & 2 are to
4.17	300 MMØ MSERW Plane/Slotted Pipe	Mtr.		643.94	
5.00	Supply and Packing of Gravel Works				
5.00	Supply and unconsolidated packing of gravel with suitable size	Cum	36.00	7500.00	2700
£ 01	Development of Tube well	(1000) VALUE - 1000			x
6.01	Transportation, Installation Dismantling of 150 PSI Compressor	Job	-100 hazari - 100	42120.00	· · · · · · · · · · · · · · · · · · ·
6.02	Charges for Development by 150 PSI Compressor per hour	Hr.	20 Y Y 20 20 M M M M M M M M M M M M M M M M M	2544.52	W. 4744444
6.03	Tranportation, Installation Dismantling of 250/400/600 PS	Job	1.00	42120.00	4213
er trotter over to think was accommon	Compressor	ļ		72120.00	441
6.04	Charges for Development by 250 PSI Compressor per hour	Hr.	60.00	3027.00	18163
6.05	Charges for Development by 400 PSI Compressor per hour	Hr.		3154.10	
6.06	Charges for Development by 600 PSI Compressor per hour	Hr.		4062.20	
6.07	Tranportation, Installation Dismantling of 0.5 Cusee OP Unit and Yield test, water test	Job		22321.28	**************************************
6.08	Charges for Development of TW by 0.5 Cusec OP Unit	Hr.		785.42	
** 45 - 27 \$ 7 \$P *** *** ** * * * * * * * * * * * * *	Tranportation, Installation Dismantling of 1 Cusec to 3 Cusec OP Unit			103.42	Description of the second seco
6.09	and Yield test, water test	Job	1.00	67225.00	6722
6.10	Charges for Development of TW by 1 cusec OP Unit	Hr.	100.00	959.00	9590
6.11	Charges for Development of TW by 3 cusec OP Unit	Hr.	5-7000 sector constrainment	1196.00	7370
(10	Tranportation, Installation Dismantling of 2 Cusec OP Unit and Yield		#*************************************		(40.00 A. A
6.12	test, water test	Job	#8	89317.00	
6.13	Charges for Development of TW by 2 cusec OP Unit	Hr.		1119.00	***************************************
7.00	Pumping Plant:- SITC of Pumping plant including pumps with motors starter, pannel, cable, complete in all respect with all required material T&P labour etc.				
7.01	1 HP	Nos	1.72.27.22.27.20.20.20.20.20.20.20.20.20.20.20.20.20.	32518.98	***************************************
7.02	2 HP	Nos		35843.14	
7.03	3 HP	Nos		46249.21	
7.04	5 HP	Nos		65037.95	
7.05	7.5HP	Nos		228500	
7.06	10 HP	Nos		230200	
7.07	12.5 HP	Nos	1.00	238800	23880
7.08	15 HP	Nos		252100	
7.09	17.5 HP	Nos		276504.56	
7.10	20 HP	Nos		295500	A the observation and a second
	25 HP	Nos		334043.48	tang general 1922 di bida ka abahan canasa da
	30 HP	Nos	. 11 (11) - 11 (11) 11 (11) 11 (11) 11 (11) 11 (11) 11 (11) 11 (11) 11 (11) 11 (11) 11 (11) 11 (11)	366163.04	Terror of the Control
717	35 HP	Nos	Y-1700-1-1-1-1	393723.7	Walking
7.13	The state of the s	Nos	AND THE PROPERTY OF THE PARTY O	426547.83	P. S.
7.14	40 HP				es es influence communication
7.14	Variation in HP due to change of site locations increased/decreased in	1	5 /A	30467	
7.14 7.15	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants.	Rate/HP	5.40 to 100 to 1	30467	
7.14 7.15 8.00	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter	1	1.00	30467 43120	43120
7.14 7.15 8.00 A.I - 13	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter Electrically operated Sluice Valve:-	Rate/HP Nos	1.00	43120	43120
7.14 7.15 8.00 A.I - 13	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter Electrically operated Sluice Valve:- Electrically operated Sluice Valve PN 1.0 dia 80 mm	Rate/HP Nos Nos	1.00	43120 125000	43120
7.14 7.15 8.00 A.I - 13 I - 13.01 I - 13.02	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter Electrically operated Sluice Valve:- Electrically operated Sluice Valve PN 1.0 dia 80 mm Electrically operated Sluice Valve PN 1.0 dia 125 mm	Rate/HP Nos Nos Nos		43120 125000 125000	
7.14 7.15 8.00 A.I - 13 .I - 13.01 .I - 13.02 9.00	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter Electrically operated Sluice Valve:- Electrically operated Sluice Valve PN 1.0 dia 80 mm Electrically operated Sluice Valve PN 1.0 dia 125 mm Electrically operated Sluice Valve PN 1.0 dia 120 mm	Nos Nos Nos Nos Nos Nos	1.00	43120 125000 125000 125000	
7.14 7.15 8.00 A.I - I3 I - I3.01 I - 13.02 9.00 9.01	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter Electrically operated Sluice Valve:- Electrically operated Sluice Valve PN 1.0 dia 80 mm Electrically operated Sluice Valve PN 1.0 dia 125 mm Electrically operated Sluice Valve PN 1.0 dia 100 mm Electrically operated Sluice Valve PN 1.0 dia 150 mm	Rate/HP Nos Nos Nos Nos	2.00	125000 125000 125000 125000 125000	250000
7.14 7.15 8.00 A.I - 13 .I - 13.01 .I - 13.02 9.00 9.01 9.02	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter Electrically operated Sluice Valve:- Electrically operated Sluice Valve PN 1.0 dia 80 mm Electrically operated Sluice Valve PN 1.0 dia 125 mm Electrically operated Sluice Valve PN 1.0 dia 100 mm Electrically operated Sluice Valve PN 1.0 dia 150 mm Electrically operated Sluice Valve PN 1.0 dia 150 mm Electrically operated Sluice Valve PN 1.0 dia 200 mm	Nos Nos Nos Nos Nos Nos		43120 125000 125000 125000	250000
7.14 7.15 8.00 A.I - 13 A.I - 13.01 A.I - 13.02 9.00 9.01 9.02 A.I - 14	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter Electrically operated Sluice Valve:- Electrically operated Sluice Valve PN 1.0 dia 80 mm Electrically operated Sluice Valve PN 1.0 dia 125 mm Electrically operated Sluice Valve PN 1.0 dia 100 mm Electrically operated Sluice Valve PN 1.0 dia 150 mm Electrically operated Sluice Valve PN 1.0 dia 150 mm Electrically operated Sluice Valve PN 1.0 dia 200 mm Check Valve:-	Nos Nos Nos Nos Nos Nos	2.00	43120 125000 125000 125000 125000 150000	250000
7.14 7.15 8.00 A.I - 13 A.I - 13.01 A.I - 13.02 9.00 9.01 9.02 A.I - 14 A.I - 14	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter Electrically operated Sluice Valve:- Electrically operated Sluice Valve PN 1.0 dia 80 mm Electrically operated Sluice Valve PN 1.0 dia 125 mm Electrically operated Sluice Valve PN 1.0 dia 100 mm Electrically operated Sluice Valve PN 1.0 dia 150 mm Electrically operated Sluice Valve PN 1.0 dia 150 mm Electrically operated Sluice Valve PN 1.0 dia 200 mm Check Valve:- Check Valve PN 1.0 DPCV dia 80 mm	Nos Nos Nos Nos Nos Nos Nos	2.00	43120 125000 125000 125000 125000 150000 27519.8	250000
7.14 7.15 8.00 A.I - 13 A.I - 13.01 A.I - 13.02 9.00 9.01 9.02 A.I - 14 A.I - 14.01 9.03	Variation in HP due to change of site locations increased/decreased in per HP of the proposed pumping plants. Pressure Transmitter Electrically operated Sluice Valve:- Electrically operated Sluice Valve PN 1.0 dia 80 mm Electrically operated Sluice Valve PN 1.0 dia 125 mm Electrically operated Sluice Valve PN 1.0 dia 100 mm Electrically operated Sluice Valve PN 1.0 dia 150 mm Electrically operated Sluice Valve PN 1.0 dia 150 mm Electrically operated Sluice Valve PN 1.0 dia 200 mm Check Valve:-	Nos Nos Nos Nos Nos Nos	2.00	43120 125000 125000 125000 125000 150000	250000 150000 27520



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BOQ Item No.	Description	Unit	Qty	Rate	Amount
A.I - 15	Dismantling Joint :-	***************************************	T		
A.I - 15.02		Nos		3923.92	**************************************
A.I - 15.01	Dismantling Joint PN 1.0 dia 125 mm	Nos	- * - 57.7 . 72	5605.6	STATAGE CONTRACTOR OF THE
9.06	Dismantling Joint PN 1.0 dia 100 mm	Nos	***************************************	3923.92	3-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2-2
9.07	Dismantling Joint PN 1.0 dia 150 mm	Nos	1.00	5605,6	560
9.08	Dismantling Joint PN 1.0 dia 200 mm	Nos	1.00	7367.36	736
9.09	SITC of Chain Pulley Blocks	***************			************************
9.10	I Tonne	Nos	1.00	46305	4630
9.11	2 Tonne	Nos	1.00	58432.5	4030
10.00	Turbidity & Chlorine analyzer	Nos	1.00	273000	27300
11.00	Hydrostatic Level Sensor:- Providing and installation hydrostatic level sensor at all tubewell pumping system including all accessories etc. complete in all respect as per instructions of Engineer -in -charge.	Nos	1.00	126000	12600
12.00	Stabalizer		A DA DANG A KANDANG DIKENG ANG ANG ANG ANG ANG ANG ANG ANG ANG A		
12.01	2 KVA		PTTPM (PD Printerson Assessed		**********
12.02	5 KVA	Nos	***************************************	12777.78	
12.02	7.5 KVA	Nos	S.4.200	25555.56	
		Nos	Col. of Society and Society an	44722.22	·····
12.04	10 KVA	Nos	****	127777.78	
12.05	15 KVA	Nos	The other hand parameter and the same	166111.11	
12.06	20 KVA	Nos	***************************************	191666.67	ASSESSMENT
12.07	25 KVA	Nos		204444.44	
12.08	30 KVA	Nos	· W 20.0000000	230000	
12.09	40 KVA	Nos		281111.11	
12.10	50 KVA	Nos		319444.44	***************************************
12.11	60 KVA	Nos		345000	
13.00	Column Pipe:- SITC of Column pipe of MS pipe for connecting submersible pumps				
13.01	32 mm Dia size - MS pipe	Mtr.		500	
13.02	40 mm dia size - MS pipe	Mtr.	Transpersor and the second second second	666.67	erection to the transfer of the second company of the second
13.03	50 mm dia size - MS pipe	Mtr.	LOCAL MINISTER OF THE PROPERTY	921	· · · · · · · · · · · · · · · · · · ·
13.04	65 mm Dia size - MS pipe	Mtr.	Terretorio de la compania del la compania de la com	1066.67	**************************************
13.05	80 mm Dia size - MS pipe	Mtr.		1400	and the second second second second second
13.06	100 mm Dia size - MS pipe	Mtr.	30.00	1567	27010
13.07	150 mm Dia size - MS pipe	Mtr.	30,00	2167	47010
14.00	Chlorinating System:- Supply, Installation of chlorinating system with dosing pump 0-6 LPH capacity with 100 Litres(1w+1s) tanks, valves, pipes with required accessories (Automatic dosing system for chemical injection)	ЈОВ	1.00	112000	112000
15.00	Fluoride Removal Plant:- Supplying, installation, testing, commissioning of Fluoride removal plant for required capacity including transportation and labour charges as complete. (vendor have to select the technology based on capacity (Electrolytic-de fluoridation plant or media based system). Rates for 400 KLD/500 LPM	LS		8062500	
16.00	Iron Removal Plant:- Supplying, installation, testing, commissioning of Iron removal plant which includes vessel, media, piping valves etc. for required capacity including transportation and labour charges as complete. Rates for400 KLD/ 500 LPM	LS		6062500	And the state of t
17.00	Arsenic Removal Plant:- Supplying, installation, testing, commissioning of Arsenic removal plant which include vessel, media, piping valves etc. for required capacity including transportation and labour charges as complete. Rates for 400 KLD/ 500 LPM	LS	and distance of the state of th	9000000	



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BOQ Item No.	Description	Unit	Qo	Rate	Amount
18.00	TDS and Hardness Removal Plant:- Supplying, installation, testing, commissioning of reverse osmosis plant which includes pump, micron cartridge filter, high pressure pump, reverse osmosis membrane, cleaning system and required piping and valves etc. complete for required capacity including transportation and labour charges as complete. Rates for 400 KLD/ 500 LPM	LS		13125000	en e
19.00	Tube Well Electrification:- Internal electrification of tube well	LS	1.00	20000	20000
20.00	Solar Power Plant:- SITC of Solar power plant (for complete plant) including solar pannel, Structure, invertor etc. complete in all respect with required material, T&P labour	KW	22.00	86800	1909600
21.00	Boundary Wall:- Construction of 1.3 m high and 115mm thick boundary wall with 230 mmx230 mm thick pillar made in Brick masonry in 1 cement and 4 sand mortar, the spacing between two pillar should not be more than 3.0 m c/c and the depth of foundation should not be less than 0.60m, at the site of water works as per departmental type design and drawing, and, as per specifications given in the bid document including supply of all materials, labour T&P etc.for proper completion of work as per instructions of Engineer -in - charge. (Drawing No.D-1)	Rmt	117.20	6400	750080
22.00	MS Gate:- Supply and fixing of 3.6 m x 1.20 m MS gate including fabrication and supply of steel and construction of bounary wall pillars of size 1.35mx0.23mx0.23m with ornamental brick work 115mm th. around RCC, as per departmental type design and drawing (Drawing No. D-1) and as per specifications laid down in the bid document, including supply of all material, labour,T&P etc.required for proper completion of work as per instructions of Engineer-in-charge.	No.	1.00	52000	52000
23.00	MS Wicket Gate:- Supply and fixing of 1.2m wide MS wicket gate including fabrication and supply of steel and construction of boundary wall pillars etc. as per specifications laid down in the bid document, including supply of all material, labour, T&P etc. required for proper completion of work as per instructions of Engineer-in- charge.	No.	1.00	19000	19000
24.00	Interlocking Pavement:- Construction of Interlocking pavement for approach to water works, as per departmental type design and drawing and as per specifications laid down in the bid document, including supply of all materials, labour, T&P etc.required for proper completion of work as per instructions of Engineer -in -charge.	Sqm.	215.40	1070.5	230586
25,00	Granular Sub Base:- Construction of granular sub base by providing coarse grade materials, spreading in uniform layers including watering and compaction complete.	Cum	43.08	2800	120624
26.00	Construction of WBM:- Construction of WBM by providing grade materials, spreading in uniform layers including watering and compaction complete.	Cum	53.85	3029	163112



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BOQ Item No.	Description	Unit	Qty	Rate	Amount
27.00	Earth Filling:- Earth filling work for proper leveling of water work site, in accordance with the contour map and Grid map of existing site enclosed (Drawing no.D-1), including leveling, dressing, excavation and filling of earth where necessary and also including all labour, materials, T&P etc.required for proper completion of works and also including carriage of earth from within a distance of about 8 km. from the site of works as per instructions of Engineer -in -charge.	Cum		890	
28.00	Semicircular Drain:- Provision for inside semicircular drain 200mm dia including supply of all materials, labour and T & P etc. complete.	Rmt	122,00	1607.14	19607
29.00	Pump House (3.6x3.0x3.0):- Provide all materials, labour, T&P etc. complete and construct Pump house size (3.6x3.0x3.0)m Chlorinating room size (2.5x1.8x3.0)m as per departmental type design and drawing (drawing no-D-2) and as per the specifications for civil work given in the bid document, including supply of all material, labour and T&P etc complete as per instructions of Engineer -in - charge.	Job	1.00	597000	59700
30,00	Pump House (2.5x3.0x3.0):- Provide all materials, labour, T&P etc. complete and construct Pump house size (2.5x3.0x3.0)m Chlorinating room size (1.5x1.3x3.0)m as per departmental type design and drawing (drawing no-D-2) and as per the specifications for civil work given in the bid document, including supply of all material, labour and T&P etc complete as per instructions of Engineer -in - charge.	Job		404000	An information would great the transfer of the
31.00	Bye-pass Chamber:- Provide all materials, labour, T&P etc. complete and constructed Bye- pass chamber for pump house (1000 (L) x 1000 (W) x 1150 (H) mm) drawing (drawing no.D-3) and as per the specifications for civil work given in the bid document, including supply of all material, labour and T&P etc complete as per instructions of Engineer -in - charge.	No.	1.00	14600	14600
32.00	OHT:- Supply of all materials labour T&P etc. for complete construction of R.C.C. Over Head Tank of following capacity and staging above ground level with main components, including cost of soil testing and assuming bearing capacity of soil as 8 MT, with supply of design and drawings. All the water retaining components of OHT shall be casted in M-30 concrete and minimum grade of concrete of foundation and staging should be M-25 with approved cement, coarse sand and stone grit as per I.S. 11682 and I.S.456 Seismic effects and wind load should be taken into consideration as per I.S. 1893 for carthquake resistance and I.S. 875 part-III for wind load on structure and including IM wide RCC staircase, I m wide R.C.C. M30 balcony, M.S. ladder made of 50x50x6 mm angle section and 20mm plain M.S. bars with hand rails of 20mm medium class G.I. pipes, One aluminum ladder inside the tank from top dome to bottom dome, R.C.C. railing with 20mm dia medium class G.I.pipe (in 3 rows) on both sides of stair case, supported on 50x50x6mm M.S. angle section, spaced at intervals not more than 1.5m, Proper ventilator at top dome in circular shape of 1.2 m dia, Water level indicator fabricated with sensor connecting to automation, Lightening conductor as per I.S.S.2309 or its latest				
32.01	amendments of latest electricity rules, consisting of proper elevation 50 KL 10 M Staging 50 KL 12 M Staging	Job Job	······································	1712500,00	the term of the second parties and a second parties of the second parties of the second parties of the second
32.03	75 KL 10 M Staging	Job		1788750.00 2150000.00	
32.04	75 KL 12 M Staging	Job	***************************************	2242500.00	**************************************



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BOQ Item No.	Description	Unit	Qŋ [,]	Rate	Amount
32.05	100 KL 12 M Staging	Job	T	2886250,00	
32.06	100 KL 16 M Staging	Job	24116337411153551755	3073750.00	30000000000000000000000000000000000000
32.07	150 KL 12 M Staging	Job	11 11 11 11 11 11 11 11 11 11 11 11 11	3241250.00	**************************************
32.08	150 KL 16 M Staging	Job	W 975 77 1 12 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	3457500.00	250 47 4000000000000000000000000000000000
32.09	175 KIL12 M Staging	Job	1.00	3441250.00	344125
32.10	175 KL 16 M Staging	Job	**************************************	3732500.00	***************************************
32.11	200 KL 12 M Staging	Job	11.000011000000000000000000000000000000	3843750.00	NETT TO SELECT A CONTRACTOR OF THE NO.
32.12	200 KL 16 M Staging	Job		4040000.00	AMAPA (1990) 1 (1922) 1 AMAPA (1990)
32.13	200 KL 18 M Staging	Job		4105000.00	***************************************
32.14	225 KL 12 M Staging	Job		4170000.00	
32.15	250 KL 12 M Staging	Job		4537500.00	THE WAR TO COMMENTER WAS IN THE PARTY OF THE
32.16	300 KL 12 M Staging	Job		4877500.00	The Management Among A page 111 annuals
32.17	300 KL 16 M Staging	Job		5508750.00	* * 130 * 130 * 100
32.18	350 KL 14 M Staging	Job		6093750.00	***************************************
32.19	400 KL 14 M Staging	Job		6830000.00	AND AND THE PERSON NAMED IN COLUMN TWO PROPERTY.
32.20	400 KL 16 M Staging	Job		7021250.00	erongan menengan periodi in (160) (1) nanga
32.21	500 KL 14 M Staging	Job		7457500.00	
32.22	25 K1 10 M Staging	Job		1296250.00	**************************************
32.23	25 KI 12 M Staging	Job		1363750.00	,
32.24	For 2 m Staging (5% additional per Meter)	Rm	2.00	172062.50	344125
33.00	Excavation of earth in ordinary soil (loam, clay or sand) for pipe line and rising main trenches including lift upto 1.50 m and lead upto 50 m and refilling watering, ramming of the excavated earth into the trench and also disposal of surplus earth upto 50m from the center of the trenches including supply of all material labour, T&P etc complete as per instructions of Engineer -in -charge.				
34.00	Ordinary Soll		2062.50		
35.00	Mixed Soil with Kankar	Cum Cum	2853.79 2853.79	214.61	612452
36.00	Soft Rock	Cum	4033,17	249.27	711365
37.00	Hard Rock	Cum		943.82 1319.18	***************************************
Additional	Disposal of Surplus Earth top 300 mm ht.	Cum		1319.16	
38.00	Sand Bedding:- Sand Bedding in trenchs in layers not exceeding 10 cm. in depth, consolidating each deposited layer by ramming and watering complete as per instructions of Engineer.	Cum	8.62	1656.00	14268
39.00	Retaining Wall:- Construction of Retaining Wall for Protection Survey, Investigation, Soil Testing, Planning, construction, commissioning etc. as per design and drawing provided by the contractor all in accordance with the relevent latest I.S. Codes and approved by the Engineer as per conditions of the bid documents. The design and drawings provided by the contractor should be betted by any IIT Institute or Government Engineering College approved by the Engineer, on contractor's cost. For construction of R.C.C. retaining wall including excavation of earth in hard rock/soft rock/ Kanker/morrum/bajri etc. for foundation, Plain Cement Concrete 1:4:8 (one cement four fine aggregates and eight coarse aggregates) and supply of steel as per drawing including bending, binding with all type of binding materials including wastage of steel Reinforced Cement Concrete (M20) 1:1½:3(one cement one and half fine aggregates and three coarse aggregates) including cost of all arrangement of shuttering, scaffolding and water with supply of all materials, labors T&P etc. required for proper completion of works as per the directions of the Engineer (Provisional)	Cum		16400.00	



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BOQ Item No.	Description	Unit	Qŋ·	Rate	Amount
40.00	Ductile Iron Pipes:- Supply of following sizes (D.I.) pipes for rising main/distribution system conforming to latest/relevant I.S. 8329/2000 Specifications-with all jointing materials such as specials conforming to latest /relevant I.S. specifications, suitable for D.I pipes, as per IS-1239 /2000 and IS 8329/2000 or their latest amendment including F.O.R. destination and all taxes and insurance etc. with loading, unloading and Carting up to site of work, also including specials for these pipes and lowering them into the trenches and laying true to alignment and gradient and jointing etc. complete (including testing of pipe lines and cutting of pipes for making up the length but excluding the cost of trenches).all complete as per instructions of Engineer -in -charge.				
TO THE WAY A SHARE	Ductile from Pipe (K-9)	2°° Tour II I and the common wa	ļ		>*************************************
40.01	300 mm dia Ductile Iron K-9	TOTAL CONTRACTOR		2072	THE RESERVE THE PROPERTY OF THE PARTY OF THE
40.02	250 mm dia Ductile Iron K-9	m		3877.6	
40.03	200 mm dia Ductile Iron K-9	m		3103.5	MALL
40.03	150 mm dia Ductile Iron K-9	m		2332.32	N 10 (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
40.05	125 mm dia Ductile Iron K-9	m	35.00	1728.48	604
	A \$25.00 C . C . C . C . C . C . C . C . C .	m		1411.41	***************************************
40.06	100 mm dia Ductile Iron K-9	m		1191,41	
40.07	80 mm dia Ductile Iron K-9	m		905.41	
40.00	Ductile Iron Pipe (K-7)	* ********************	E resident minimum menum minimum	TO Child Comments and the second second	Transfer of the second
40.08	300 mm dia Ductile Iron K-7	m	***************************************	3151.6	***************************************
40.09	250 mm dia Ductile Iron K-7	m .	220,02000000000000000000000000000000000	2564.5	
40.10	200 num dia Ductile Iron K-7	m	The state of the s	1848.32	
40.11	150 mm dia Ductile Iron K-7	m	103,W1811030800 VIII.0	1497.48	
40.12	125 mm dia Ductile Iron K-7	m		1301.41	
40.13	100 mm dia Ductile Iron K-7	m		1007.11	
40.14	80 mm dia Ductile Iron K-7	m	***************************************	909.49	The section of the desire of the section of the sec
41	HDPE Pipes PN6, PE 100:- Supply of following sizes pipes for distribution system conforming to latest/ relevant I.S. 4984/1995 Specifications with all jointing materials and specials conforming to latest /relevant I.S. specifications including F.O.R. destination and all taxes and insurance etc. with loading, unloading and Carting up to site of work, also including specials for these pipes and lowering them into the trenches and laying true to alignment and gradient and jointing etc. complete (including testing of pipe lines and cutting of pipes for making up the length but excluding the cost of trenches) all complete as per instructions of Engineer -in -charge.				
41.01	90 mm dia HDPE Pipe PN6, PE 100	m	585.00	229.5	13425
41.02	75 mm dia HDPE Pipe PN6, PE 100	m	533.00	169.2	9018
41.03	63 mm dia HDPE Pipe PN6, PE 100	m	4408.00	125.8	55452
42.00	Valves:- Supply and carting up to site of work of the following dia DI butterfly /sluice valves, class I, working pressure 10 Kg/cm2 confirming to IS: 780/1969 or its latest amendments, including valve fittings & Dismantling Joints as per requirement F.O.R. destination, and lowering them into the already prepared trenches, fixing in position and jointing them with pipelines and testing etc. complete and also including supply of jointing materials etc. complete .including all taxes and insurance, as per instructions of Engineer -in -charge.				
·····	Isolating Sluice Valve		A TO THE STATE OF	100 COLOR DE SERVE COLOR DE SE	**************************************
42.01	Sluice valve - 300 mm dia	Nos	***************************************	64042.00	
42.02	Sluice valve - 250 mm dia	Nos	***************************************	48109.00	***************************************
42.03	Sluice valve - 200 mm dia	Nos	······································	27304.00	Proposition & Association of the Company of the Association of the Company of the
	Sluice valve - 150 mm dia	Nos	2.00	17626.00	35252
	Sluice valve - 125 mm dia		2.00	THE PARTY OF THE P	33252
42.05	Silice valve - 125 mm dia	Nos		14505.00	



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BOQ Item No.	Description	Unit	Qn	Rate	Amount
42.07	Sluice valve - 80 mm dia	Nos	2.00	12401.00	2480
42.07.1	Sluice valve - 65 mm dia	Nos.	5.00	10650.00	5325
42.07.2	Sluice valve - 50 mm dia	Nos.	~	9700.00	· ************************************
	Scour Valve				
42.08	Scour valve - 80 mm dia	Nos	3.00	10160.84	3048
42.09	Scour valve - 100 mm dia	Nos		12535.28	(1) 11-21 (1)
42.10	Scour valve - 150 mm dia	Nos	***********************	17625.57	***************************************
42.11	Scour valve - 200 mm dia	Nos		27304.03	**************************************
42.12	Scour valve - 250 mm dia	Nos	* *************************************	48109.48	A
42.13	Pressure Relief Valve		Salation Philippen County of the County		\$
42.14	PRV 80 mm dia	Nos	7.6	54219.00	
42.15	PRV 100 mm dia	Nos	TARK MERSON CARELLAND	80025.00	**** YASA AN ARABANA
42.16	PRV 150 mm dia	Nos		124575.00	amended develope for the policy of the same following
42.17	Single / Double ball type Air Valve:- Supply and installation, testing ctc. of single/double ball type air valve conforming to latest/relevent I.S. specifications including all taxes and insurance, carting up to site of work and lowering them into the trenches, fixing in position and jointing them with pipelines and testing etc. complete (including supply of jointing materials and Valve fittings etc complete) as per instructions of Engineer.	телений при			
42.10			F 55	* 10 PN, W.A.	and the second s
42.18	20 mm	Nos	5.00	10229,21	51140
42.19	50 mm 80 mm	Nos	······································	23170.33	***************************************
42.20		Nos	***************************************	23170.33	57-1901-1910-1904-1900-1900-1900-1900-1900
42.21	150 mm	Nos	TO THE REPORT OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED ADDRESS OF THE PERSON NAMED AND ADDRESS OF THE PERSON NAMED	41024.88	S to Colorado os planto comunicaciones.
42.22	mm dia sluice valve, 80mm dia tail pieces, 80mm dia duck foot bend and 80 mm dia standard makes iron coupling with cap and etc. complete conforming to latest/relevent I.S. specifications including all taxes and insurance up to site of work and lowering them into the trenches, fixing in position and jointing them with pipelines and testing etc. complete (including supply of jointing materials and Valve fittings etc. complete as per instructions of Engineer -in - charge.	Nos	3.00	24500.00	73500
43.00 3.01-43.02	Valve Chambers:- Construction of following type chambers as per department type design and drawing including Heavy duty M.S. Manhole Cover and all materials, labour, T&P etc complete for proper completion of work as per instructions of Engineer -in -charge. Sluice Valve Chamber (Masonry Type):-	No.	8.00	25800.00	206400
43,03	Dia upto 200 mm - 1000 (L) x 1200 (W) x 1300 (H) mm Sluice Valve Chamber (Surface Box Type):- Dia upto 200 mm - 1000	No.	0.00	5000.00	200400
	(L) x 1200 (W) x 1300 (H) mm			3000.00	*****************************
43.04	Fire Hydrant chamber (800 (L) X 1250 (W) X 1000 (H) mm)	No.	3.00	18500.00	55500
43.05	Air Valve Chamber	/			
43.06	350 (L) x 350 (W) x 500 (H) mm	No.	5.00	9000.00	45000
43.07	Scour Valve Chamber				
43.08	dia upto 200 mm - 1000 (L) x 1200 (W) x 1300 (H) mm	No.	3.00	29670,00	89010
43.09	PRV Valve Chamber - 1000 (L) x 1200 (W) x 1300 (H) mm	No.		28380.00	
44.00	Design and construct Thrust Block:- Design and construct Thrust Block made in R.C.C. with cement, coarse sand & 20 mm gauge stone ballast in proportion of 1:1.5:3, for pipe line, including supply of MS reinforcement wrought to equired shape as necessary ,its bending, fixing & binding the same with 0.50 mm thick binding wire in position & necessary centering & shuttering including curing and supply of all materials, labour, T & P etc. required for proper completion of the work and as per specifications for RCC work as per instructions of Engineer -in -charge.				



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BO <u>O</u> Item No.	Description	Unit	Qo	Rate	Amount
44.01	Reinforced Cement Concrete:- Design and construct Thrust Block made in Reinforced Cement concrete (1:1.5:3), with graded stone chips (20 mm nominal size) excluding shuttering and reinforcement, as per technical requirements.		0.64	13656.33	868.
44.02	Shuttering:- Providing shuttering for Thrust block using approved stout props and thick hard wood planks of approved thickness with required bracing for concrete works curved or straight including fitting fixing and striking out after completion of works.	Sqm	6.40	420.00	268
44.03	Reinforcement of Thrust Block:- Providing reinforcement of Thrust block for reinforced concrete work including distribution bars, stirrups, binders etc. initial straightening and removal of loose rust (if necessary), cutting to requisite length, hooking and bending to correct shape, placing in proper position and binding with wire at every inter-section, complete as per drawing and direction.	МТ	0.03	109838.98	3515
45.00	Staff Quarter / Office Room:- Provide all materials labour, T&P etc. and construct single room staff quarter / office room at water works site identified by the Engineer-incharge as per department type design and drawing and specifications of civil works laid down in the bid document, including all material labour, T&P etc complete for proper completion of work as per instructions of Engineer -in -charge. (Drawing No.D-7)	No	1.00	970600	970600
46.00	Recharge Mechanism:-	Sqm	16.00	52500,00	840000
47.00	Water recharge Mechanism within the water works campus Backfilling of Earth:- Backfilling of abandoned tube well with available Earth	Cum		107.00	***************************************
48.00	Assest replacement items		- Article Visial Philosophysiology		Andread to the second state of the second se
48.01	Pumping Plant:- SITC of Pumping plant including pumps with motors, starter, pannel, cable, complete in all respect with all required material T&P labour etc.	**************************************	i kanagaga mini di silita dha mana	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
48.02	I HP	Nos	87-8(80) (8387) (8-A-244)	32518.98	omation of the contract of the last
48.03	2 HP	Nos		35843.14	
48.04	3 HP	Nos		***************************************	
48.05	5 HP			46249.21	#*************************************
Salar annotation of the salar of		Nos		65037.95	***************
48.06	7.5HP	Nos	Committee (Committee) (Committee)	228500.00	
48.07	10 HP	Nos		230200.00	
48.08	12.5 HP	Nos		238800.00	
48.09	15 HP	Nos		252100.00	
48.10	17.5 HP	Nos		276504.56	
48.11	20 HP	Nos		295500.00	
48.12	25 HP	Nos		334043.48	#### 611 V # 500 - Augustus - Aug
48.13	30 HP (discharge 1000 LPM Head 62 m)	Nos	1075 F - wrantania - www.com	366163.04	****************************
48.14	35 HP	Nos	The second secon	393723,70	
48.15	40 HP	Nos	AND STREET, ST	426547.83	The comment was the con-
48.16	Turbidity & Chlorine analyzer	Nos		273000.00	
48.17	Hydrostatic Level Sensor:- Providing and installation hydrostatic level sensor at all tubewell pumping system including all accessories etc. complete in all respect as per instructions of Engineer -in -charge.	Nos	22 U 03 CO (e \$40 Balance com	126000.00	
48.18	3Mtr. Long Column Pipe				***************************************
48.19	32 mm Dia size - MS pipe	Nos	9.0 (************************************	1500,00	the second to the second to the second
48.20	40 mm dia size - MS pipe		***************************************	United the second commence of the second sec	tata www.auuditt.com.com.com.com.com.com.com.com.com.com
48.21	50 mm dia size - MS pipe	Nos	M. A. St. St. St. St. St. St. St. St. St. St	2000.01	
Same and the state of the state of		Nos		2763.00	366 January 1, 1940
48.22	65 mm Dia size - MS pipe	Nos	***************************************	3200.01	**************************************
48.23	80 mm Dia size - MS pipe	Nos	** ***********************************	4200.00	
48.24	100 mm Dia size - MS pipe	Nos		4701.00	
48.25	150 mm Dia size - MS pipe	Nos		6501.00	



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BOQ Item No.	Description	Unit	Qn	Rate	Amount
49.00	Tubewell Automation System:- Installation of suitable capacity simple T.W. automation system to control operation of the pumping plant with respect to high/low water level in OHT iwith RTU panel, 7" HMI screen, surge device including enrgy meter inside the pump house with arrangement for communication of data with GSM and GPRS system to show required parameters including all accessories etc. complete in all respect as per instructions of Engineer -in -charge.	Job	1.00	375000	37500
50.00	Dismantling of Roads:- Dismantling of Following type of surfaces including sorting out and stacking of serviceable materials and disposal of unserviceable materials upto a distance of 50m as per instructions of Engineer -in -charge.	***************************************		THE STATE OF THE S	
50.01	B.O.E. Surface	Sqm	2035.13	100.00	203513
50.02	Bituminous Surface	Sqm	1871.73	200.00	374346
50.03	Interlocking Road	Sqm		155.00	
50.04	C.C. Road	Sqm	164.11	329.96	54150
51.00	Restoration of Roads:- Reinstatement of the following type of road surface with old and new materials including supply of all materials, labour, T&P etc. required for proper completion of the work as per instructions of Engineer -in - charge.		Adequinició deliment deminició del ministra en maneres		
51.01	B.O.E. Surface (50% of existing bricks to be reused)	Sqm	2035,13	350	712295
51.02	Bituminous surface	Sqm	1871.73	1534.82	2872770
51.03	Interlocking Road	Sqm	VI - 1775	1070.5	******************************
51.04	C.C. Road	Sqm	164.11	1560.71	256130
52.00	Nala/Culvert Crossing:- Provision for following types of Culvert crossing -along the alignment of pipe line complete as per instructions of Engineer -in -charge. (casing of pipe is done by concreting)				
52.01	Nala/Culvert Crossing (width -3.5 m) upto Dia 300 mm	Nos		19000	
52.02-52.03	Trenchless Crossings:- Survey site Investigation Planning, design Drawings as per State Road manual and vetting / checked from State Road Divisional Office and taking NOC for trenchless crossing of National highway road and Railway track(crossing length 15m to 25m), Road for of required dia Rising main pipe with casing pipe as required for proper completion of work required size of MS casing pipe as per drawing and as per (IS:3589 & made from confining to IS:2062) with 750 Micron PU coating internally and 250 micron anti corrosive bituminous paint externally by trenchless technology method at an average depth 3.60 mtr from normal ground level up to top of casing pipe including excavation & filling of Pit, Dewatering arrangement, Supporting system for soil, also including supply and fixing of 2 no Sluice valve ISI Mark, construction of sluice valve chamber etc. all complete work including supply & fixing specials in carrier pipe over main pipe, as per specification given in the bid documents including supply of all materials, labour T&P etc. for proper completion of work as per instruction of Engineer.				
863 W (13 1 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Railway Line crossing (Upto Dia 350 mm)	Nos		60000	TOTAL STATE OF STATE
52.04					
52.04 52.05	National Highway road crossing (Upto Dia 350 mm)	Nos	***************************************	40000	No. 200 (200 (200 (200 (200 (200 (200 (200



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BOQ Item No.	Description	Unit	Qn	Rate	Amount
52.07	Road Crossing:- Excavation in foundation of trench of proper size in soil mixed with moorum, Shingle, Kankar, soft rock, hard rock, including refilling, dressing and ramming earth or sand or bajri, ballast, including providing, supply, carting, lowering, laying and jointing of casing pipe of RCC NP-3 with appropriate size, with rubber ring joint, sand filling in gap inside RCC pipe, insertion of distribution pipe into the encasing pipe including supply of T&P, including concrete of 150 mm thick in with 40mm gauge brick ballast local sand and cement in proportion of 8:4:1, provision for barricading, labour for traffic diversion etc. Complete for proper completion of work as per instruction of Engineer.				
52.08	50 mm dia. Pipe	• • • • • • • • • • • • • • • • • • • •			1-00-1-0-2-0-1
52.09	100 mm dia. Pipe	Nos		1400	***************************************
52.10	150 mm dia. Pipe	Nos	16.00	1700	2720
52.11	200 mm dia. Pipe	Nos	5.00	2000	1000
52.12	250 mm dia. Pipe	Nos	4.00	2400	960
52.13	300 mm dia. Pipe	Nos	4.00	3600	1440
52.14	350 mm dia. Pipe	Nos	STATESTICAL CONTRACTOR	3900	Company management of the control of
52.15	400 mm dia. Pipe	Nos	\$10,000 PMS - \$25,000	4386	Maria (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984) (1984)
52.16	450 mm dia. Pipe	Nos		4700	*5000 V.S. 2 Monte on the control of
52.17	500 mm dia. Pipe	Nos		5200	
water the second tree 1991 to the		Nos		6200	
52.18	600 mm dia. Pipe	Nos	**************************************	7600	
53.00	Making house connection should be done atleast 2 m inside the boundary wall with provision of tap from distribution line to outer wall of house, with supply of 1 m G.I. pipe (15 mm) (above ground) & average 5 mtr. MDPE Pipe (20 mm) (below ground) including specials, saddle, Tap.etc. of suitable size, T&P etc. including excavation, laying and jointing for proper completion of work as per instructions of Engineer as per Dwg 12 (excluding road restoration)	Nos.	343.00	3500	120050
200 34. CAL.	Stand Post:-		P. Chakarana and J. Sa		AWONAYY - MINISTER WAS ARREST OF
54.00	Construction of single tap pillar type stand post as per type design	Nos.	10.00	10000	10000
55.00	Operation and Maintenance:- Operation and Maintenance for 10 years of water supply schemes after completion including staff required for operation and maintenance, chemicals, all materails, specials T & P for operation and maintenance excluding electricity charges. (2% of Capex cost for first year of O&M) Note:- 6% Infletion Factor considered for arriving the O&M Cost from Second Year onwards.	Rs			
55.01	Cost of DPR Preperation @ 1% of CAPEX Cost of DPR	%	1474 Assessment		**************************************
56.00	Electromagnetic flow meters				Section 1995
56.01	150mm	Nos.		150000	
56.02	200mm	Nos.		190000	
56.03	250mm	Nos.	253230-2	225000	
56.04	300mm	Nos.	12 - 375	260000	or transfer of the second of t
56.05	350mm	Nos.	0.000 V.00 (0.000 S.0. S.1.) (Assets v.000)	330000	CONTROL OF STREET
56.06	400mm	Nos.	Supramer of colonia (including	420000	**************************************
56.07	450mm	Nos.		500000	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
56.08	500mm	Nos.		550000	Malinia na summanton com na nanam
4.I-56.09	100mm	Nos.	1.00	100000.00	1,0000
METOMERADICAL AND	80mm	Nos.	1.00	80000.00	100000
MARKATON TO SERVICE OF SECURIOR SALES	Soft Starter:-	. 103.		00000.00	
	soft starter with RS485 port -400V,7.5KW Rating	Nos	I	60000	Charles Comment (1997)
W. K. V. M.S. V. M. Took of Common and page	soft starter with RS485 port -400V,15KW Rating	Nos		60000	
	- 100-100 mm m m m m m m m m m m m m m m m m m	14573	20030002000	70000	
57.03	soft starter with RS485 port -400V,22KW Rating	Nos		85000	



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BOQ Item No.	Description	Unit	Qty	Rate	Amount
57.05	soft starter with RS485 port -400V,45KW Rating	Nos	·	125000	
57.06	soft starter with RS485 port -400V,55KW Rating	Nos		125000	
57.07	soft starter with RS485 port -400V,75KW Rating	Nos	1.022 Vinterance	140000	75.00.00.000000000000000000000000000000
57.08	soft starter with RS485 port -400V,90KW Rating	Nos		150000	***************************************
57.09	soft starter with RS485 port -400V,110KW Rating	Nos		175000	***************************************
57.10	soft starter with RS485 port -400V,132KW Rating	Nos		225000	
57.11	soft starter with RS485 port -400V,220KW Rating	Nos		250000	TO THE CONTRACT OF THE STREET,
57.12	soft starter with RS485 port -400V,250KW Rating	Nos		275000	***************************************
57.13	soft starter with RS485 port -400V,312KW Rating	Nos		325000	
57.14	soft starter with RS485 port -400V,450KW Rating	Nos	-	375000	
58.00	Auto Phase Reversal Unit:-	1103		550000	popular in Application
58.01	100 Amp rating	Nos		45000	Lightowwww.composition.com
58.02	125 Amp rating	Nos	-	50000	**************************************
58.03	160 Amp rating	Nos		70000	***************************************
58.04	200 Amp rating	Nos	***************************************	The second section and the second sec	*******************************
58.05	250 Amp rating	Nos		120000	A A STATE OF THE S
58,06	315 Amp rating	Nos	1	135000	110000000000000000000000000000000000000
58.07	400 Amp rating	Nos		140000	C. 200
58.08	500 Amp rating	Nos		150000 190000	***********************
58.09	630 Amp rating	Nos		TO TO CONTROL MEAN MAN CONTROL CO.	Western 1911 (1911) (1911) (1911) (1911) (1911)
59.00	Radar type Level transmitter	Nos	1.00	225000	10000
(**************************************	Control Panel:-	1105	1.00	120000	120000
60.00	control panel for all power equipments with IP 54 protection	Nos	1.00	120000	120000
Maria de la constanta de la co	Cabling for Tube Well:-	***************************************	TO CONTROL OF HARBOR TOPOSTON (CO. SEC.)		* 0.7557) X 30-qui (de la 2*40** 0.115)
61.00	complete cabling for tubewell inleuding all power and controleables of	Nos	1.00	(0000	
	all equipments at pumphouse and OHT	1805	1.00	60000	60000
100 20 00 00 00 00 00 00 00 00 00 00 00 0	Master Control PLC:-	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			vikosovotes yaitalinimoonii
	Master control ple with CPU, SCADA software including GSM /				
62.00	GPRS modem, necessray firewall, ethernet switch, CCTV system	Nos		2665000	
63.00	Installation testing and commissioning	Nos	1.00	60000	60000
Additional Items	Company of the compan	- 1007 - 4004 - 1000 - 1000 1000 1000 1000		00000	OVOUL
A. l - 1	110 mm dia HDPE Pipe PN6, PE 100		770.00		* O - Godo A v #** v 1 0 1 2 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
A.I - 2	125 mm dia HDPE Pipe PN6, PE 100	m	738.00	326.71	241112
\.I - 3	140 mm dia HDPE Pipe PN6, PE 100	m	387.00	414.95	160586
\.I - 4	160 mm dia HDPE Pipe PN6, PE 100	m	329.00	513.86	169060
\.i - 5	180 mm dia HDPE Pipe PN6, PE 100	m		663,92	
\.l - 6	200 mm dia HDPE Pipe PN6, PE 100	ın	617.00	829.93	512067
	Supply Installation of Display board of Size 2M X 1 M for Providing	m	***************************************	1016.89	the annual medical particle is a construction of the construction
A.I - 7	details of proposal of water supply scheme		1.00	25000	25000
	Provision for arboriculture for development of water works	LS			
9	Battery Backup with Accessories for 2 Kw Load	LS	1.00	50000	50000
! - 10	40 Waits Solar Street Lights inbuilt with all accessories	Nos		92800	V 60 m TO 6 2 data a caramenta mangrapa y 2000.
	SITC of DG for Electricity support	Nos	4.00	30000	120000
	7.5 KVA				
CALLES OF THE PARTY OF THE PART	10 KVA	Nos		240000	N. P. S.
	15 KVA	Nos		260000	The state of the s
tation comments and the same and the same and the	20 KVA	Nos		306000	
CONTRACTOR STREET, STREET, ST.	25 KVA	Nos	1.00	370000	370000
	30 KVA	Nos		389000	*********************
Service of the servic	10 KVA	Nos	- 25 0007 2004	405000	
	IS KVA	Nos		483000	h contentions \$100 at 27 dark accommon (1)
	50 KVA	Nos		495000	
	2.5 KVA	Nos		555000	
A STATE CONTRACTOR OF THE PARTY	Electromagnetic flow meters	Nos		569000	
AND DESCRIPTION OF THE PARTY OF	00mm Electromagnetic flow meters				······································
THE PROPERTY OF THE PROPERTY OF THE PARTY OF	Comm Electromagnetic flow meters	Nos.		100000	
0	- Indiana in the contraction in	Nos.	i i	80000	

Estimate for Tikuliyadar Gram Panchayat

Water Supply Scheme

Under - SWSM

Block-Belghat District-Gorakhpur

Form "J" - Comprehensive Scheme

Sr. No.	Description of Work	Amount (Rs. in Lacs)	%	Amount (Rs. in Lacs)	Govt. of U.P. Share	Govt. of India Share
I	2	3	4	5	б	7
I	Cost of Work	-340.10		-240.10	2-33.2	13
2	0.14% Discount as per Contract on Cost of work	240:10- 2-33:23	-0.14%	-0.34-	•	weeth training
	Net Cost of Work			239.76	232	11
3	Add Contingency 2%	-239.76	2.00%	-4.80-	4-66	- 1 (PRO VACA NA A 7 A 7 - 4) - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
	Sub Total (A)		23	7.57 244.56	. 122.28	122.2
4	Add GST 12 %-B	-244-56	12.00%	28.51.29:35	14.67	14.6
5	Add 12.5% Centage-C	.244.56-	12.50%	29.703057	30.57	To the transfer of the second
	Grand Total (A+B+C)		2	35-77-304:48	167.52	136.95
6	10 Ast O&M Cost (after DLP)	-239.76	2%-	59:76	2.40	2.4(

TOTAL POPULATION A (ULTIMATE YEAR 2052)	4910
Per Capita Cost	# # # A
(NET COST+CONTIGENCY+GST)	5579

PREPARED BY

Research P

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(तवानीकी प्रकोष्ठ) राज्य पेयजल एवं स्वछता मिशन

CHECKED BY

M/S NCC Ltd.

J.E(T) Assistant Engineer

अधिशासा जार जात निगम Member Secretal USM

Executive Engineer,

U.P Jal Nigam, 10th Div. Gorakhpur

(इं० जी०पी० शुक्ला) युनिट कोआर्डिनेटर राज्य पेयजल एवं स्वछता मिशन Alux JEIT (DE)

Forwarded As Recommended by DWSM For SLSSC

(इंठ डीठकेंठ सिंह) साधिय अभाना

राज्य पेयजल एवं स्वज्ञता मिशन

	от в серествення в пределения пределения пределения в пределения в пределения в пределения в пределения в пред	Break	Break up of Cost				
SL.	Sub Head	Total Cost of work	0.0	R.C.C. Reservoir	Pipe Line	Machinery	Misc.
Amed	~	3.0	4.0	5.0	6.0	2	8.0
¥.	Civil works:						
quest	Pump house & Chlorinating room	5,97,000	5,97,000	Afternative of street management and accommodition of the street of the			
N	Rising Main	89,827			89,827		eren er ferkölde prome i NA Buck pra an er en en en inn a en
т	R.C.C. Over head tank(KL/m staging)	41,41,375	A STATE OF THE STA	41,41,375	stable between a set of the delication and the set of t	The second secon	Control (4.10 M/A) (1.11)
4	Distribution System	96,26,441		96,26,441	American contrar of the company of the contraction		THE RESIDENCE OF THE PARTY OF T
Ŋ	Approach Road	-16,39,661-	16,39,661	TOTAL WING SELECTION AND ADDRESS OF THE PROPERTY OF THE PROPER			And the second s
9	Boundary Wall and approach raod	8,21,080	8,21,080	0.000.0			
7	StaffQuarter	9,70,600	9,70,600	printed of the second of the s			
∞	Surveying and designing	2,40,100		A PROPERTY OF THE PROPERTY OF			2.40,100
	(Total A)	1,81,26,084	40,28,341	1,37,67,816	89,827	•	2.40.100
mi mi	E&M works:	大品なるのでかれ	And Andrews Andrews (Companies Companies Compa				
_	Cost of Tubewell construction	15,85,593	Control integral registration (No. No. 1900) No. 1900 (No. 1900) N			15,85,593	
C1	Cost of pumping plant and Chlorinating Plant	12,63,755	S. S. SANCE AND ALL THE STATE OF THE STATE O			12,63,755	
m	Solar plant	19,09,600			*	19,09,600	
4	Electrification of pump house, SCADA	11,25,000				11,25,000	
	Total (B)	58,83,948		AND IN THE STATE OF THE PROPERTY OF THE PROPER	To be a control of the control of th	58,83,948	
	G. Total (A+B)	2,40,10,03	40,28,341	1,37,67,816	89.827	58.83.948	2.40.100

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