

LOA No. : 3207/W-37(Dewi Patani)/2022-23 Dt. 04.11.2022.
 PROJECT : State Water & Sanitation Mission (SWSM) Under Jal Jeevan Mission (JJM)
 NAME OF WORK : Rural Water Supply Project
 EXECUTING AGENCY : M/S GA Infra - VPL (JV)
 COVER AGREEMENT : 76/ED/PHASE-5/25-24 (JV DATED-08.06.23)

LOA No. : SEMRAHNA
 PROJECT : SEMRAHNA
 NAME OF WORK : MIHPLURWA
 EXECUTING AGENCY : BAHARICH
 COVER AGREEMENT : SEMRAHNA # RA-05, DATE : 03/06/2024

NAME OF THE CONTRACTOR : SEMRAHNA
 ADDRESS : SEMRAHNA
 NAME OF THE BLOCK : MIHPLURWA
 DISTRICT : BAHARICH
 TRIPARTITE AGREEMENT : JJM/UP/Phase-5/Baharich/GA Infra-VPL(JV)/3202/114 Dt. 23.03.23
 PA BILL NO : SEMRAHNA # RA-05, DATE : 03/06/2024

(ANNEXURE-I)

BOQ Item No	Description of Items	UOM	% of Claim	HSN / SAC Code of the good	Quoted/Accepted rate @ -0.10%	BOQ			Previous Claim			Present Claim			Cumulative Claim			Remarks
						Qty	Claim Wise BOQ Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	
1.00	SURVEY	LS	100%		1,28,749.16	1.00	1,28,749.16	1.00	1,28,749.16	1.00	1,28,749.16	1.00	1,28,749.16	1.00	1,28,749.16	1.00	1,28,749.16	
1.01	All the works including Hydrological survey, topographical survey, Design charges including preparation and approval of DPR																	
2.03	Tube well construction																	
2.06	DC/RC Drilling up to 100Mtr.	Mtr.	100%		2,108.39	100.00	2,108.39	100.00	2,108.39	100.00	2,108.39	100.00	2,108.39	100.00	2,108.39	100.00	2,108.39	
2.07	DC/RC Drilling from 101 Mtr. To 200 Mtr. Deep	Mtr.	100%		2,291.91	5.00	11,459.55	5.00	11,459.55	5.00	11,459.55	5.00	11,459.55	5.00	11,459.55	5.00	11,459.55	
2.10	DC/RC Drilling from 201 Mtr. To 300 Mtr. Deep	Mtr.	100%		2,505.95	95.00	2,38,065.25	95.00	2,38,065.25	95.00	2,38,065.25	95.00	2,38,065.25	95.00	2,38,065.25	95.00	2,38,065.25	
3.02	MSERW Plain pipe As per IS 4270	Mtr.	70%		2,994.13	100.00	2,99,413.00	100.00	2,99,413.00	100.00	2,99,413.00	100.00	2,99,413.00	100.00	2,99,413.00	100.00	2,99,413.00	
3.03	MSERW Pipe slotted pipe as per IS 8110	Mtr.	20%		1,998.00	208.00	4,17,582.00	208.00	4,17,582.00	208.00	4,17,582.00	208.00	4,17,582.00	208.00	4,17,582.00	208.00	4,17,582.00	
3.10	MS Ring	No.	70%		1,268.73	41.00	52,017.93	41.00	52,017.93	41.00	52,017.93	41.00	52,017.93	41.00	52,017.93	41.00	52,017.93	
3.11	MS Ball Plug As per IS 2800	Mtr.	20%		1,598.40	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	
3.14	MS Ball Plug As per IS 2800	Mtr.	5%		1,598.40	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	
3.18	200 x 150 mm Reducer	No.	70%		4,145.85	1.00	4,145.85	1.00	4,145.85	1.00	4,145.85	1.00	4,145.85	1.00	4,145.85	1.00	4,145.85	
3.23	MS Ball Plug As per IS 2800	Mtr.	20%		1,598.40	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	7.00	11,188.80	
3.28	200 mm x Tubewell Assembly Support	No.	70%		15,484.50	1.00	15,484.50	1.00	15,484.50	1.00	15,484.50	1.00	15,484.50	1.00	15,484.50	1.00	15,484.50	



JUNIOR ENGINEER
 DIVISION OFFICE (E/M)
 I I D IAI NIGAM RURAL GONDA

NAME OF THE SCHEME : SEMBRAHNA
 GRAM PANCHAYAT : SEMBRAHNA
 NAME OF THE BLOCK : MIHIRIWA
 DISTRICT : BAHARICH
 TRIPARTITE AGREEMENT : JIM/JUP/Phases/Baharich/GA Infra-VPL(UV)/3202/114 Dt. 23.03.23
 RA BILL NO : SEMBRAHNA # RA-05, DATE : 03/06/2024

LOA No. : 3207/W-27/(Devi Patani/2022-23, 01.04.11.2022.
 PROJECT : State Water & Sanitation Mission (SWSM) Under Jal Jeveen Mission (JIM).
 NAME OF WORK : Rural Water Supply Project
 EXECUTING AGENCY : M/S GA Infra - VPL (JV)
 COVER AGREEMENT : /76/ED/PHASE-9/23-24/W DATED-08.06.23

(ANNEXURE-I)

BOQ Item No.	Description of Items	UOM	% of Claim	HSN / SAC Code of the good	Quoted/Accepted rate @ -0.10%	BOQ			Previous Claim			Present Claim			Cumulative Claim			Remarks
						Qty	Claim Wise BOQ Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount		
3.32	MS Well Cap 1. On Supply & Delivery. 2. On completion erection/laying / jointing. 3. On Completion of Testing.	No.	70%		1,348.65	1.00	1,348.65	-	-	-	-	-	-	-	-	-	-	(17)
3.34	Centre guide for 150mm ØTW Assembly 1. On Supply & Delivery. 2. On completion erection/laying / jointing. 3. On Completion of Testing.	No.	70%		919.08	15.00	13,786.20	-	-	-	-	-	-	-	-	-	-	
4.00	Lowering of above Tubewell assembly including Carting upto site and welding of parts complete in all respect with all required material & T&P labour etc. Lowering up to 100 Mtr. Deep	Mtr.	70%		340.66	58.00	19,758.28	-	-	-	-	-	-	-	-	-	-	
4.02	150 MMØ MSRW Plane/Slotted Pipe 1. On Supply & Delivery. 2. On completion erection/laying / jointing. 3. On Completion of Testing.	Mtr.	70%		340.66	58.00	19,758.28	-	-	-	-	-	-	-	-	-	-	
4.03	200 MMØ MSRW Plane/Slotted Pipe 1. On Supply & Delivery. 2. On completion erection/laying / jointing. 3. On Completion of Testing.	Mtr.	70%		417.59	42.00	17,538.78	-	-	-	-	-	-	-	-	-	-	
4.05	Lowering from 101 Mtr. To 200 Mtr. Deep 150 MMØ MSRW Plane/Slotted Pipe 1. On Supply & Delivery. 2. On completion erection/laying / jointing. 3. On Completion of Testing.	Mtr.	70%		375.63	100.00	37,563.00	-	-	-	-	-	-	-	-	-	-	
4.10	Lowering from 201 Mtr. To 300 Mtr. Deep 150 MMØ MSRW Plane/Slotted Pipe 1. On Supply & Delivery. 2. On completion erection/laying / jointing. 3. On Completion of Testing.	Mtr.	70%		364.81	75.00	28,860.75	-	-	-	-	-	-	-	-	-	-	
4.17	Logging of Borehole by Electric logging Cement Sealing for QPV Areas including all Materials , T&P and Labour etc for Completion of work.	Job	100%		17,982.00	1.00	17,982.00	-	-	-	-	-	-	-	-	-	-	
5.00	Supplying and unconsolidated packing of gravel with suitable size 600 PSI Compressor per hour	Cum	100%		7,492.50	28.00	2,09,790.00	-	-	-	-	-	-	-	-	-	-	
6.04	Charges for Development of TW by 1 cusec OP Unit	Hr.	100%		5,494.50	25.00	1,37,862.50	-	-	-	-	-	-	-	-	-	-	
6.06	SFT of Energy efficient AC Submersible Pumping plant with submersible flat cable of suitable length , main Piping & Valves with 08 nos Column Pipes. Distance piece for Rising Main and Bypass side ,NRV cum Pump and Column Pipe Jointer, Power wiring, Chemical earthing , Painting, wiring of pump house (Internal & External) and Installation job of Pumping Plant complete in all respect with all required material, T&P labour complete in all respect for following duties in Solar Powered Applications-				1,123.88	50.00	56,194.00	-	-	-	-	-	-	-	-	-	-	
7.01	7.5HP 1. Supply of Tube well Pumps with motor's starter panel. 2. Supply of Cable for Tube well set in all respect.	Nos.	70%		2,28,271.50	1.00	2,28,271.50	-	-	-	-	-	-	-	-	-	-	
9.00	Pressure Transmitter 1. On Supply & Delivery.	Nos.	70%		44,955.00	1.00	44,955.00	-	-	-	-	-	-	-	-	-	-	
10.00	Electrically operated D.I. Sluice Valve Metal seated PN 10 dia 80 mm 1. On Supply & Delivery.	Nos.	70%		1,37,862.00	2.00	2,75,724.00	-	-	-	-	-	-	-	-	-	-	
					1,37,862.00	2.00	1,93,006.80	-	-	-	-	-	-	-	-	-	-	
					2,28,271.50	1.00	1,59,790.05	-	-	-	-	-	-	-	-	-	-	
					2,28,271.50	1.00	22,827.15	-	-	-	-	-	-	-	-	-	-	
					44,955.00	1.00	31,468.50	-	-	-	-	-	-	-	-	-	-	
					44,955.00	1.00	31,468.50	-	-	-	-	-	-	-	-	-	-	
					1,37,862.00	2.00	1,93,006.80	-	-	-	-	-	-	-	-	-	-	
					1,37,862.00	2.00	1,93,006.80	-	-	-	-	-	-	-	-	-	-	

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JUNIOR ENGINEER
 DIVISION OFFICE (EIM)
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 U.P. JAL NIGAM RURAL GONDA

LOA No. : 3207/W-27/(Dev/Patan)/2022-23, DT 04.11.2022.
 PROJECT : State Water & Sanitation Mission (SWSM) Under Jal Jeevan Mission (JJM).
 NAME OF WORK : Rural Water Supply Project
 EXECUTING AGENCY : M/s GA Infra - VPL (JV)
 COVER AGREEMENT : 76/ED/PHASE-5/13-24/AV DATED-08.06.23

LOA No. : SEMRAHNA
 PROJECT : SEMRAHNA
 NAME OF WORK : SEMRAHNA
 EXECUTING AGENCY : MIHURWA
 COVER AGREEMENT : BAHARICH

LOA No. : SEMRAHNA # RA-05, DATE : 03/06/2024
 PROJECT : SEMRAHNA
 NAME OF WORK : SEMRAHNA
 EXECUTING AGENCY : MIHURWA
 COVER AGREEMENT : BAHARICH

LOA No. : SEMRAHNA # RA-05, DATE : 03/06/2024
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LOA No. : SEMRAHNA # RA-05, DATE : 03/06/2024
 PROJECT : SEMRAHNA
 NAME OF WORK : SEMRAHNA
 EXECUTING AGENCY : MIHURWA
 COVER AGREEMENT : BAHARICH

BOQ Item No	Description of Items	UOM	% of Claim	HSN / SAC Code of the good	Quoted/Accepted rate @ -0.10%	BOQ			Previous Claim			Present Claim			Cumulative Claim			Remarks	
						Qty	Claim Wise BOQ Qty	Amount	Claim Wise BOQ Amount	Qty	Amount	Qty	Amount	Qty	Amount	Qty	Amount		
11.00	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.	70%		1,25,874.00	1.00	1.00	1,25,874.00	-	-	-	-	-	-	-	-	-	-	
18.00	SITC of solar power plant (for complete plant) including solar panels, VFD, Structure, earthing of all electrical items, Balance of system with auxiliary load arrangements for Field monitoring devices, Cleaning arrangements for solar panels, Interlocking Pavement below solar panels and Installation and commissioning with civil works etc. complete in all respect with required material T&P labour	KW	70%		86,713.20	12.50	12.50	10,83,915.00	-	-	-	-	-	-	-	-	-	-	
19.00	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	70%		86,713.20	12.50	12.50	5,42,771.88	-	-	-	-	-	-	-	-	-	-	
		Rmt	10%		2,352.64	73.82	73.82	54,277.19	-	-	-	-	-	-	-	-	-	-	
		Rmt	10%		2,352.64	73.82	73.82	54,277.19	-	-	-	-	-	-	-	-	-	-	
		Rmt	50%		2,352.64	73.82	73.82	2,71,385.94	-	-	-	-	-	-	-	-	-	-	
		Rmt	20%		2,352.64	73.82	73.82	1,08,554.38	-	-	-	-	-	-	-	-	-	-	
		Nos.	100%		59,940.00	-	-	-	-	-	-	-	-	-	-	-	-	-	
		Nos.			3,05,694.00	1.00	1.00	3,05,694.00	-	-	-	-	-	-	-	-	-	-	
		Nos.	70%		3,05,694.00	1.00	1.00	2,13,985.80	-	-	-	-	-	-	-	-	-	-	
		Nos.			3,05,694.00	1.00	1.00	2,13,985.80	-	-	-	-	-	-	-	-	-	-	
								1,33,69,665.00											
								1,33,69,665.00											
								20,62,950.37											
								20,62,950.37											
								25,46,286.33											
								25,46,286.33											
								45,79,236.70											
								45,79,236.70											

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JUNIOR ENGINEER
 DIVISION OFFICE (E/M)
 U.P. JAL NIGAM RURAL GONDA



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- SEMRAHANA, BLOCK- MIHIPURWA, DISTT- BAHRAICH UNDER JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 300 mtrs. depth. and Logged depth 300 mtrs. at above site. Was drilled by M/s GA Infra - Vishwanath Project Limited, Bahraich.

On the request of M/s GA Infra - Vishwanath Project Limited, Bahraich. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 10.July.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major Aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

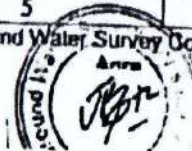
Mud Resistivity = 24.58 Ohms.

Drifling Water Resistivity = 25.65 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Clay kankar	
3.	10 - 30	20	Medium sand	Good
4.	30 - 40	10	Clay kankar	
5.	40 - 60	20	Medium sand	Good
6.	60 - 80	20	Clay kankar	
7.	80 - 100*	20	Medium sand	Good
8.	100 - 106	6	Clay kankar	
9.	106 - 120*	14	Medium sand	Good
10.	120 - 128	8	Clay kankar	
11.	128 - 132	4	Fine sand	Good
12.	132 - 140	8	Clay kankar	
13.	140 - 157*	17	Medium sand	Good
14.	157 - 163	6	Clay kankar	
15.	163 - 181*	18	Medium sand	Good
16.	181 - 192	11	Clay kankar	
17.	192 - 220*	28	Medium sand	Good
18.	220 - 226	6	Clay kankar	
19.	226 - 230*	4	Fine to Medium sand	Good
20.	230 - 233	3	Clay kankar	
21.	233 - 248*	15	Medium sand	Good
22.	248 - 255	7	Clay kankar	
23.	255 - 261*	6	Medium sand	Good
24.	261 - 271	10	Clay kankar	
25.	271 - 283*	12	Medium sand	Good
26.	283 - 290	7	Clay kankar	
27.	290 - 295*	5	Fine to Medium sand	Good
28.	295 - 300	5	Clay kankar	

Ground Water Survey Consultancy

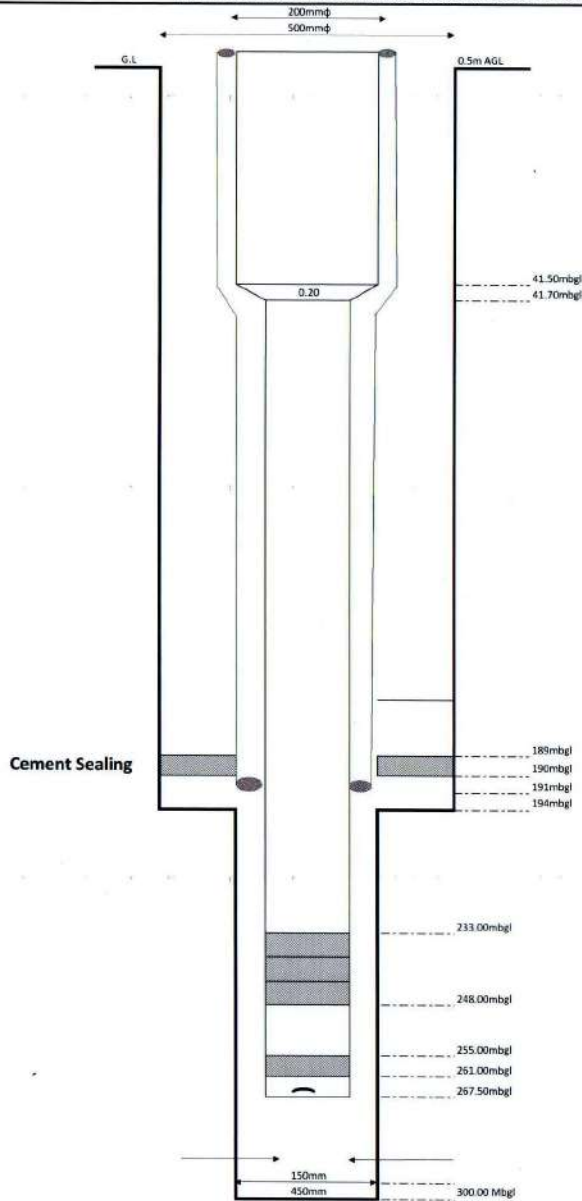


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GA INFRA- VISHWANATH PROJECTS LIMITED

PROPOSED STRATA CHART & TUBEWELL ASSEMBLY OF SEMRAHANA W/S SCHEME, BLOCK -MIHIPURWA, DISTRICT- BAHRACH



1	Bore Size	500 X 450 mm
2	Assembly Size	200 X 150 mm
3	Drilling Depth	300.00 Mbgl
4	Logging Depth	300.00Mbgl
5	Date of Logging	10.07.2023
6	Required Discharge	270 LPM/45m

LOGGING REPORT-

Sl. No.	Depth Range(mbgl)	Inferred Lithology	Thickness(m)	Remark
1	0	SURFACE SOIL	5.0	
2	5	CLAY KANKAR	5.0	
3	10	MEDIUM SAND	20.0	GOOD
4	30	CLAY KANKAR	10.0	
5	40	MEDIUM SAND	20.0	GOOD
6	60	CLAY KANKAR	20.0	
7	80	MEDIUM SAND	20.0	GOOD
8	100	CLAY KANKAR	6.0	
9	106	MEDIUM SAND	14.0	GOOD
10	120	CLAY KANKAR	8.0	
11	128	FINE SAND	4.0	GOOD
12	132	CLAY KANKAR	8.0	
13	140	MEDIUM SAND	17.0	GOOD
14	157	CLAY KANKAR	6.0	
15	163	MEDIUM SAND	18.0	GOOD
16	181	CLAY KANKAR	11.0	
17	192	MEDIUM SAND	28	GOOD
18	220	CLAY KANKAR	6	
19	226	FINE TO MEDIUM SAND	4	GOOD
20	230	CLAY KANKAR	3	
21	233	MEDIUM SAND	15	GOOD
22	248	CLAY KANKAR	7	
23	255	MEDIUM SAND	6	GOOD
24	261	CLAY KANKAR	10	
25	271	MEDIUM SAND	12	GOOD
26	283	CLAY KANKAR	7	
27	290	FINE TO MEDIUM SAND	5	GOOD
28	295	CLAY KANKAR	5	

Note:-
1 Almost all

Sl. No.	Descriptions	length(m)	Remarks
1	200mm ϕ Housing Pipe	42.00	
2	150mm ϕ Plain Pipe	204.00	
3	150mm Slotted Pipe	21.00	



GA INFRA- VISHWANATH P. LTD.

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GONDA)

JUNIOR ENGINEER

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U.P. JALAN... GONDA

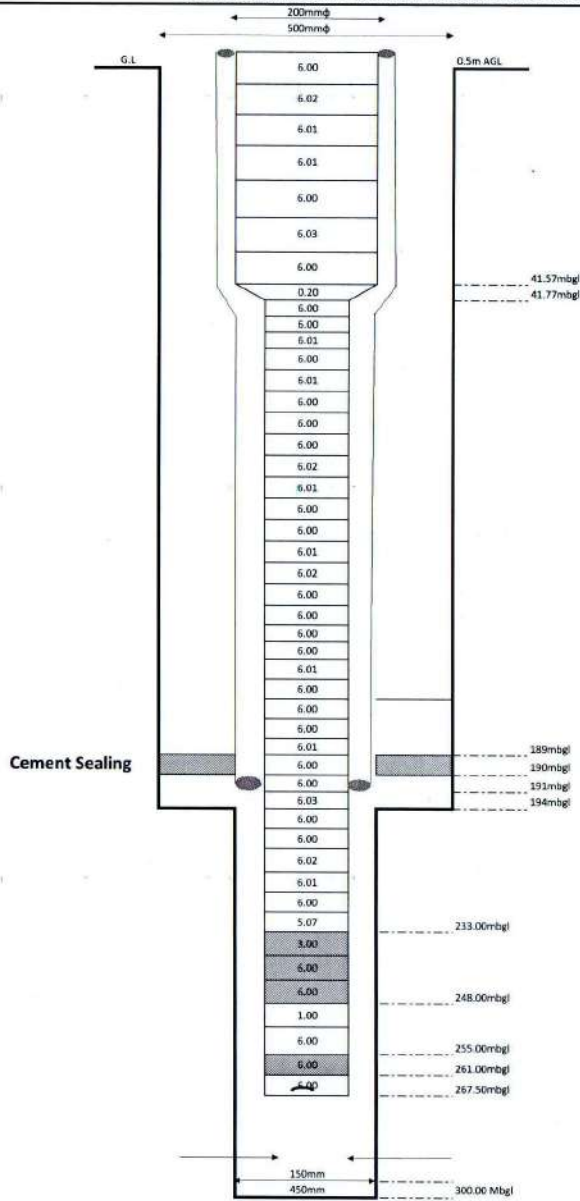
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GONDA)

(EE, UPIN(RURAL) E&M
GONDA)



GA INFRA- VISHWANATH PROJECTS LIMITED

ACTUAL STRATA CHART & TUBEWELL ASSEMBLY OF SEMRAHANA W/S SCHEME, BLOCK - MIHIPURWA, DISTRICT - BAHRACH



1	Bore Size	500 X 450 mm
2	Assembly Size	200 X 150 mm
3	Drilling Depth	300.00 Mbgl
4	Logging Depth	300.00mbgl
5	Date of Logging	10.07.2023
6	Required Discharge	270 LPM/45m
7	Date of Lowring	11.07.2023

LOGGING REPORT-

Sl. No.	Depth Range(mbgl)		Inferred Lithology	Thickness(m)	Remark
	From (m)	To (M)			
1	0	5	SURFACE SOIL	5.0	
2	5	10	CLAY KANKAR	5.0	
3	10	30	MEDIUM SAND	20.0	GOOD
4	30	40	CLAY KANKAR	10.0	
5	40	60	MEDIUM SAND	20.0	GOOD
6	60	80	CLAY KANKAR	20.0	
7	80	100	MEDIUM SAND	20.0	GOOD
8	100	106	CLAY KANKAR	6.0	
9	106	120	MEDIUM SAND	14.0	GOOD
10	120	128	CLAY KANKAR	8.0	
11	128	132	FINE SAND	4.0	GOOD
12	132	140	CLAY KANKAR	8.0	
13	140	157	MEDIUM SAND	17.0	GOOD
14	157	163	CLAY KANKAR	6.0	
15	163	181	MEDIUM SAND	18.0	GOOD
16	181	192	CLAY KANKAR	11.0	
17	192	220	MEDIUM SAND	*28	GOOD
18	220	226	CLAY KANKAR	6	
19	226	230	FINE TO MEDIUM SAND	4	GOOD
20	230	233	CLAY KANKAR	3	
21	233	248	MEDIUM SAND	15	GOOD
22	248	255	CLAY KANKAR	7	
23	255	261	MEDIUM SAND	6	GOOD
24	261	271	CLAY KANKAR	10	
25	271	283	MEDIUM SAND	12	GOOD
26	283	290	CLAY KANKAR	7	
27	290	295	FINE TO MEDIUM SAND	5	GOOD
28	295	300	CLAY KANKAR	5	

Note:-
1 Almost all

Sl. No.	Descriptions	Length(m)	Remarks
1	200mmφ Housing Pipe	42.07	
2	150mmφ Plain Pipe	204.73	
3	150mm Slotted Pipe	21.00	
4	200mmX150mm Reducer	0.20	
Total Assembly		268.00	
Less AGL		0.50	
TOTAL BGL		267.50	

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GA INFRA-VISHWANATH P. LTD.

JE, UPJN(RURAL) E&M
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(EE, UPJN(RURAL) E&M
GONDA

JUNIOR ENGINEER
DIVISION OFFICE (E/M)
U.P. JAL NIGAM RURAL GONDA



GA INFRA-VISHWANATH PROJECTS LIMITED



TEST REPORT OF DEVELOPMENT OF TUBEWELL BY 250 PSI AIR COMPRESSOR UNDER J.J.M PROGRAMME

1. G.P NAME- SEMRAHNA
2. BLOCK- MIHIPURWA
3. DATE OF TESTING - 29-09-2023
4. T.W SIZE - 200X150 MM Dia
5. S.W.L- 6.15 MTR
6. AIR LINE LOWERED - 258.00 MTR
7. DISCHARGE MEASURED BY - M.S 90° V-NOTCH TANK
8. DEPTH OF TUBEWELL - 267.50 MTR
09. REQUIRED DICHARGE - 270 Lpm

SR.NO	DEPTH OF AIR LINE LOWERED		DISCHARGE WATER HEAD 90° V-NOTCH TANK		STARTING PRESSURE	RUNNING PRESSURE	DEPRESSION		SAND CONTENT IN PPM					REMARK
	IN MTR	IN MM	IN LPM	IN CM ²	IN KGF/CM ²	IN KGF/CM ²	IN KGF/CM ²	MTR	STARTING	5 MIN	10 MIN	15 MIN	20 MIN	
1	258	210	1706	25.5	24.5	1	10	5,700	3,000	2,000	1,300	700		

NOTE: RECOMMENDED FOR DEVELOPMENT OF T.W BY O.P UNIT.
TEST CONDUCTED IN PRESENCE OF BY.



[Signature]
TPI

Junior Engineer

JUNIOR ENGINEER

DIVISION OFFICE (E/M)

U.P. JAL NIGAM RURAL GONDA

Assistant Engineer

Executive Engineer

Divisional office U.P. Jal Nigam (Rural) Gonda. U.P-271001.

Log Book

Log Sheet : Compressor

Name of Block : <u>Mithi Purwa.</u>	Dischar
Name of Gram Panchayat : <u>Semsahna.</u>	Dischar
Name of Village :	Dischar

Date	Start	Stop	Hours	Air Line Lowered(m)	Starting Pressure	Running Pressure	Signature of Compressor Operator	Remarks
24.09.23	7:28 AM	8:40 AM	1:12				श्रीम	
"	8:52 AM	10:37 AM	1:45				श्रीम	
"	10:52 AM	12:10 PM	1:18				श्रीम	
"	12:32 PM	2:09 PM	1:37				श्रीम	
"	2:24 PM	3:39 PM	1:15				श्रीम	
"	3:59 PM	5:23 PM	1:24				श्रीम	
"	5:38 PM	7:18 PM	1:40				श्रीम	
25.09.23	8:28 AM	9:58 AM	1:30				श्रीम	
"	10:13 AM	11:36 AM	1:23				श्रीम	
"	11:50 AM	1:22 PM	1:32				श्रीम	
"	1:43 PM	3:27 PM	1:44				श्रीम	
"	3:57 PM	5:15 PM	1:18				श्रीम	
26.09.23	5:31 PM	7:03 PM	1:32				श्रीम	
"	8:17 AM	9:52 AM	1:35				श्रीम	
"	10:06 AM	11:20 AM	1:14				श्रीम	
"	11:34 AM	12:54 PM	1:20				श्रीम	
"	1:12 PM	2:27 PM	1:15				श्रीम	
"	2:42 PM	4:04 PM	1:22				श्रीम	
"	4:04 PM	5:49 PM	1:45				श्रीम	
27.09.23	7:04 AM	8:34 AM	1:30				श्रीम	
"	8:50 AM	10:15	1:25				श्रीम	
"	10:15 AM	11:40 AM	1:25				श्रीम	
28.9.23	8:15 AM	9:40 AM	1:25				श्रीम	
"	9:55 AM	11:29 AM	1:34				श्रीम	
"	11:47 AM	1:11 PM	1:24				श्रीम	
"	1:36 PM	2:59 PM	1:23				श्रीम	
"	3:14 PM	4:44 PM	1:30				श्रीम	
"	4:58 PM	6:24 PM	1:26				श्रीम	
29.09.2023	7:29 AM	9:03 AM	1:34				श्रीम	
"	9:47 AM	10:39 AM	1:22				श्रीम	
"	11:01 AM	12:31 PM	1:30				श्रीम	
"	12:47 PM	2:13 PM	1:26				श्रीम	
"	2:53 PM	4:33 PM	1:40				श्रीम	
"	4:48 PM	6:18 PM	1:30				श्रीम	
	total	hours	49:45					





GA INFRA- VISHWANATH PROJECTS LIMITED

YIELD TEST REPORT OF DEVELOPMENT OF TUBEWELL BY O.P UNIT UNDER J.J.M PROGRAMME

1.G.P NAME - SEMRAHNA

2.BLOCK - MIHIPURWA

3.DATE OF TESTING - 03.01.2024

4.T.W SIZE - 200 X 150

5. S.W.L - 5.10 MTR

6. COLUMN PIPE LOWERED - 24 MTR

7. SIZE OF COLUMN PIPE - 100 MM

8. ORIFICE SIZE - 4"X3"

9. CAPACITY OF O.P UNIT- 1 Cusec

10. REQUIRED DICHARGE - 270 Lpm

SR.NO	DISCHARGE THROUGH ORIFICE SIZE (4"X3")		S.W.L IN Mtr	R.W.L IN Mtr	DEPRESSION IN Mtr	SAND CONTENT IN PPM				REMARK	
	IN INCH	IN LPM				STARTING	5 MIN	10 MIN	15 MIN		20 MIN
1	22	745	5.10	14.67	3.46	250	150	50	Tr	CL	
2	14	594	5.10	7.92	2.82	150	50	Tr	CL	CL	
3	5	379	5.10	6.90	1.80	Tr	Tr	CL	CL	CL	

NOTE: Recommended Discharge 270 Lpm at 1.80 mtr depression pump should be run atleast 10 min in By pass then after taken in line.

TEST CONDUCTED IN PRESENCE OF BY



[Signature]
TPL

Junior Engineer
JUNIOR ENGINEER

DIVISION OFFICE (E/M)

U.P. JAL NIGAM RURAL GONDA

Assistant Engineer

Executive Engineer



Jal Jeevan Mission

Har Ghar Jal



State Level Water Analysis Laboratory, U.P Jal Nigam (Rural), Lucknow

6 Rana pratap Marg Lucknow (Test Address only)

Print

Test report

Sample ID: U1683852517740325

User Information

Name: Vishwanath Projects Limited shankar Mobile: 7799887237
 Email: pc-jjm@vplindia.com Pin Code:
 Full Address: Village- Shahpur Jot Yusuph , Gram Panchayat- Shahpur Jot Yusuf, Block- Chitaura, District- Bahraich, State- Uttar Pradesh

Sample description

Source of Sample: Semrahana Village: Semrahana
 Gram Panchayat: Semrahna Block: Mihinpurwa
 District: Bahraich State: Uttar Pradesh
 Address: Remarks:
 Latitude: 28.013925 Longitude: 81.294315

Date & time of sample collection

10.01.2024 | 12:27:00 PM

Date & time of sample received in lab

11.01.2024 | 11:28:00 AM

Date & time of sample analysed

30.01.2024 | 01:00:30 PM

Date & time of report generation

31.01.2024 | 07:04:14 PM

San
SW
 JUNIOR ENGINEER
 DIVISION OFFICE (E/M)
 U.P. JAL NIGAM RURAL GONDA

Test results

Sr. No.	Parameters tested	Unit of measurement	Requirement (acceptable limit) as per BIS 10500	Permissible limit (in absence of alternate source) as per BIS 10500	Test result value	Remarks
1	Aluminum (As Al)	mg/l	0.03	0.2	0.002	✓
2	Barium (as Ba)	mg/l	0.7	No Relaxation	0.015	✓
3	Boron (as B)	mg/l	0.5	1	0.109	✓
4	Cadmium (As Cd)	mg/l	0.003	No Relaxation	0.000	✓
5	Calcium (as Ca)	mg/l	75	200	38.000	✓
6	Chloride (as Cl)*	mg/l	250	1000	15.000	✓
7	Copper (As Cu)	mg/l	0.05	1.5	0.001	✓
8	E. coli	CFU/100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	✓
9	Fluoride (as F)*	mg/l	1	1.5	0.200	✓
10	Free residual Chlorine	mg/l	0.2	1	0.000	✓
11	Iron (As Fe)*	mg/l	1	No Relaxation	0.021	✓
12	Lead (as Pb)	mg/l	0.01	No Relaxation	0.000	✓
13	Magnesium (As Mg)	mg/l	30	100	20.730	✓
14	Manganese (As Mn)	mg/l	0.1	0.3	0.029	✓
15	Nickel (As Ni)	mg/l	0.02	No Relaxation	0.000	✓
16	Nitrate (as NO3)*	mg/l	45	No Relaxation	1.000	✓
17	pH*	NA	6.5-8.5	No Relaxation	8.040	✓
18	Silver (as Ag)	mg/l	0.1	No Relaxation	0.000	✓
19	Sulphate (as SO4)*	mg/l	200	400	3.000	✓
20	TDS*	mg/l	500	2000	246.000	✓
21	Total Alkalinity (as Calcium Carbonate)*	mg/l	200	600	185.000	✓
22	Total Arsenic (As As)*	mg/l	0.01	No Relaxation	0.001	✓
23	Total Chromium (As Cr)	mg/l	0.05	No Relaxation	0.000	✓
24	Total coliform	CFU/ 100 ml	Shall not be detectable in any 100 ml sample	No Relaxation	0.000	✓
25	Total Hardness (As CaCO3)*	mg/l	200	600	180.000	✓
26	Turbidity*	NTU	1	5	2.540	✓
27	Zinc (As Zn)	mg/l	5	15	0.011	✓

Note:

JUNIOR ENGINEER *Sean*
 DIVISION OFFICE (E/M) *SM*
 U.P. JAL NIGAM RURAL GONDA

- 1)*indicates parameters that are NABL accredited.
- 2)This test results related to the sample tested above
- 3)The report shall not to be reproduced in full without approval of authority
- 4)This is the end of the report

Authorised signatory
Anil Kumar (Test Lab Incharge)

***** This is an electronically generated report and does not require a signature.*****

Jal Jeevan Mission aims at potable tap water supply to every home

Let's join hands to ensure drinking water is potable. It helps in preventing water borne diseases and improve public health.

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