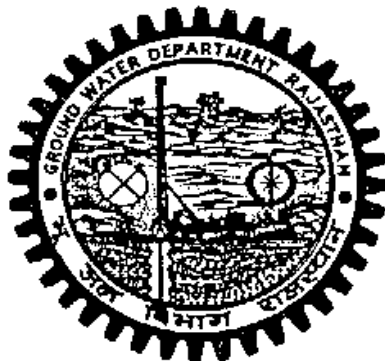




GROUND WATER DEPARTMENT RAJASTHAN



**BASIC DATA REPORT OF OBSERVATION WELLS
CONSTRUCTED UNDER RACP DURING THE YEAR
2017 – 2019**

**PEESANGAN GROUND WATER CLUSTER
DISTRICT – AJMER**

Compiled By:

**Himanshu Kumavat,
District Coordinator, RACP
Peesangan Ground Water Cluster**

Submitted By:

**Gurudutt Bohra,
Sr. Hydrogeologist & PIA, RACP
GWD, Ajmer**

AJMER

2019

CONTENTS

BASIC DATA REPORT OF PIEZOMETERS & OBSERVATION WELLS CONSTRUCTED UNDER RAJASTHAN AGRICULTURE COMPETITIVENESS PROJECT (RACP) SCHEME

SUMMARY SHEET.....	3
1. OBSERVATION WELL CONSTRUCTED AT VILLAGE – DODIYANA.....	4
PHOTOGRAPHS OF OBSERVATION CONSTRUCTED AT VILLAGE – DODIYANA.....	7
Physical verification / Inspection of works of Constructions of Observation Wells.....	8
2. OBSERVATION WELL CONSTRUCTED AT VILLAGE – GANAHERA	9
PHOTOGRAPHS OF OBSERVATION CONSTRUCTED AT VILLAGE – GANAHERA	12
Physical verification / Inspection of works of Constructions of Observation Wells.....	13
3. OBSERVATION WELL CONSTRUCTED AT VILLAGE – RAMPURA NAND	14
PHOTOGRAPHS OF OBSERVATION CONSTRUCTED AT VILLAGE – RAMPURA NAND	17
Physical verification / Inspection of works of Constructions of Observation Wells.....	18
4. OBSERVATION WELL CONSTRUCTED AT VILLAGE – DOONGRIYA KHURD	19
PHOTOGRAPHS OF OBSERVATION CONSTRUCTED AT VILLAGE – DOONGRIYA KHURD.....	22
Physical verification / Inspection of works of Constructions of Observation Wells.....	23

SUMMARY SHEET

Details of Observation wells completed in all respect at Peesangan Ground Water Cluster, District - Ajmer under RACP

S. No.	Village	Lat	Long	Physical location	Rig Type	Total depth of drilling (m. Bgl)	Well Assembly /Casing pipe length (m)	Cost of Drilling (Rs.)	Cost (Platform / Display Board Etc.) (Rs.)	Total Cost (Drilling + Platform etc.)	Platform / Display Board etc. Installed (Yes/No)
1	Dodiya	26.33176	74.48939	Near Govt. Hr. Sec. School & inside Anganbadi	DTH-16	105	9.8	85974.00		85974.00	Yes
2	Ganahera	26.49560	74.54152	Inside govt. School at ganahera village	DTH-16	105	33.5	122235.00		122235.00	Yes
3	Rampura Nand	26.49564	74.43362	Inside Public Health Center.	DTH-16	105	36.5	126825.00		126825.00	Yes
4	Doongriya Khurd	26.54341	74.55190	Inside Kabristan Land on Doongariya Khurd to Majhewla road about 730 mtr distance from Doongariya Khurd village RHS	DTH-16	105	6.8	81384.00		81384.00	Yes

1. OBSERVATION WELL CONSTRUCTED AT VILLAGE – DODIYANA

BASIC DATA REPORT (BDR) OF OBSERVATION WELL CONSTRUCTED UNDER RACP AT VILLAGE - DODIYANA P.S.-PEESANGAN, DISTRICT – AJMER

A.) DRILLING MACHINE INFORMATION

- | | | |
|----|---------------------------------|--|
| 1 | Compilation | : Gurudutt Bohra, Sr. Hydrogeologist, GWD,
Ajmer;
Himanshu Kumavat, District Coordinator, RACP |
| 2 | Geology / Hydrogeology | : Alluvium / Schist |
| 3 | Project / Scheme | : RACP |
| 4 | Name of Village | : DODIYANA |
| 5 | Site / Location | : Near Govt. Hr. Sec. School, Inside Anganwadi |
| 6 | Latitude of bore well site | : 26.33176 |
| 7 | Longitude of bore well site | : 74.48939 |
| 8 | Drilling Crew In-charge | : Ramlal Choudhary & Drilling Crew |
| 9 | Drilling Machine/Rig No. & Type | : DTH – 16 |
| 10 | Drilling Cost | : 85974.00 |

B.) HISTORY OF DRILLING OPERATION

The drilling machine DTH – 16 of Ground Water Department was commenced at site on dated 16/03/2018 and completed on dated 18/03/2018, drilled up to depth of 105mtrs. The size of diameter of borehole was 200 mm from the ground level to the bottom. The casing pipe assembly lowered up to the depth of 9.80 meters.

C.) LITHOLOGICAL LOG

The drill cuttings were collected at an interval of 3.00 mtrs or any change in the formation by the drilling crew. The sample were dried & packed in the labelled sample bags and based on examination of these cuttings, following lithological log has been prepared;

S. No.	Lithological characteristics.	Depth range in m.	Thickness in m.
1	Surface soil brown in colour, Fine to medium grained sand.	0.00-9.00	9
2	Quartzitic Schist light brow to smoky colour with Biotite.	9.00-12.00	3
3	Quartzitic Schist with Muscovite.	12.00-18.00	6
4	Quartzitic Schist, light whitish to brown colour Quartz with Biotite.	18.00-24.00	6
5	Quartzitic Schist with Muscovite.	24.00-36.00	12
6	Quartzitic Schist, light whitish to brown colour Quartz with Biotite.	36.00-58.00	22
7	Quartzitic fractured & fragmented with medium grained pieces.	58.00-61.00	3
8	Quartzitic Schist, smoky to light greyish with Muscovite and Biotite.	61.00-72.00	11
9	Quartzitic Schist smoky to light grayish with Biotite.	72.00-84.00	12
Total depth			105.00 Mtr

D.) ASSEMBLY / PIPE DETAILS

The following pipe assembly was proposed after careful examination of drill cuttings and same has been lowered in the borehole:

S. No.	Diameter (mm)	Type of Pipe	Slotted Pipe	Depth range (m)		Length of pipe in m.	Remarks
				From	To		
1.	200	M.S. Plain Pipe	-	0.00	0.80	0.80 (Agl.)	
2.	200	M.S. Plain Pipe	-	0.00	9.0	9.0 (Bgl.)	
Total MS Pipe assembly lowered including AGL						9.80	

TOTAL DEPTH OF BORE HOLE IN Meters = 105

E.) HYDROGEOLOGICAL DATA

i Static Water Level	60 mtrs bgl
ii Discharge	1200 GPH
iii Quality of Water	May be Potable

F.) CHEMICAL ANALYSIS RESULTS OF GROUND WATER:

1	ECx10 ⁶ microSiemens/cm at 25°C	
2	TDS mg/l	
3	pH	
4	Na ⁺¹ mg/l	
5	K ⁺² mg/l	
6	Ca ⁺² mg/l	
7	Mg ⁺² mg/l	
8	Cl ⁻¹ mg/l	
9	SO ₄ ⁻² mg/l	
10	CO ₃ ⁻² mg/l	
11	HCO ₃ ⁻¹ mg/l	
12	No ₃ ⁻¹ mg/l	
13	F ⁻¹ mg/l	
14	TH mg/l as Ca CO ₃	
15	Na %	
16	RSC meq/l	

(Himanshu Kumavat)
District Coordinator (RACP)
Peesangan Ground Water Cluster, Ajmer

(Gurudutt Bohra)
Sr. Hydrogeologist, GWD, Ajmer

PHOTOGRAPHS OF OBSERVATION CONSTRUCTED AT VILLAGE – DODIYANA



Village – Dodiya : Near Govt. Hr. Sec. School & inside Anganbadi

Physical verification / Inspection of works of Constructions of Observation Wells

1. Name of Village : **Dodiyana** Gram Panchayat: **Dodiyana** Block: **Pisangan**
2. Grid No: **155**
3. Toposheet No:
4. Geo-tech location : Latitude - **26.33176**; Longitude - **74.48939**
5. Type of Well : **Observation well**
6. Location of Well: **Near Govt. Hr. Sec. School & inside Anganbadi**
7. Measuring Point (TOC): **0.80** (Mts)
8. Dimension: **200** (mm)
9. Type of Drilling rig: **DTH-16**
10. Total Drilling Depth in Mts.:
 - a) From measuring point: **105.00** (Mts)
 - b) From Ground Level **104.20** (Mts.)
11. Pipe Assembly lowered: **9.80** (Mts.)
12. Depth to Water Level in Mts.:
 - a) From measuring point: **60.00** (Mts)
 - b) From Ground Level: **59.20** (Mts.)
13. Double Cap Installed: **No**
14. Construction of Platform including civil works as per norms: **Yes**
15. Necessary marking and display board installed : **Yes**
16. Aquifer Performance Test conducted on observation wells: **No**
17. Reports submitted with technical data: **Yes**
18. Installation of DWLR Telemetric: **Not Applicable**
19. Sensor lowered at depth **NA** Mts.:
20. Length of Cables **NA** Mts.
21. Secured protection cover installed: **Yes**
22. Photograph Taken and kept on record: **Yes**
 - a) For drilling work : **Yes**
 - b) For lowering of Pipe assembly : **No**
 - c) Construction of Platform including civil works : **Yes**
 - d) Necessary marking and display boards installed : **Yes**
 - e) For installation of DWLR Telemetric : **Not Applicable**
 - f) For Lowering of Cables and sensor at required depth : **Not Applicable**
 - g) For Aquifer performance test conducted : **No**
23. Recorded By: **Himanshu Kumavat** (District Coordinator, RACP)

Gurudutt Bohra,
Sr. Hydrogeologist & PIA RACP, GWD, Ajmer

2. OBSERVATION WELL CONSTRUCTED AT VILLAGE – GANAHERA

BASIC DATA REPORT (BDR) OF OBSERVATION WELL CONSTRUCTED UNDER RACP AT VILLAGE - GANAHERA P.S.-PEESANGAN, DISTRICT – AJMER

A.) DRILLING MACHINE INFORMATION

- | | | |
|----|---------------------------------|--|
| 1 | Compilation | : Gurudutt Bohra, Sr. Hydrogeologist, GWD,
Ajmer;
Himanshu Kumavat, District Coordinator, RACP |
| 2 | Geology / Hydrogeology | : Alluvium / Schist |
| 3 | Project / Scheme | : RACP |
| 4 | Name of Village | : GANAHERA |
| 5 | Site / Location | : Inside Govt. School at Ganahera village |
| 6 | Latitude of bore well site | : 26.49560 |
| 7 | Longitude of bore well site | : 74.54152 |
| 8 | Drilling Crew In-charge | : Ramlal Choudhary |
| 9 | Drilling Machine/Rig No. & Type | : DTH – 16 |
| 10 | Drilling Cost | : 122235.00 |

B.) HISTORY OF DRILLING OPERATION

The drilling machine DTH – 16 of Ground Water Department was commenced at site on dated 22/03/2018 and completed on dated 23/03/2018, drilled up to depth of 105mtrs. The size of diameter of borehole was 200 mm from the ground level to the bottom. The casing pipe assembly lowered up to the depth of 33.50 meters.

C.) LITHOLOGICAL LOG

The drill cuttings were collected at an interval of 3.00 mtrs or any change in the formation by the drilling crew. The sample were dried & packed in the labelled sample bags and based on examination of these cuttings, following lithological log has been prepared;

S. No.	Lithological characteristics.	Depth range in m.	Thickness in m.
1	Surface sand, windblown fine.	0.00-9.00	9
2	Sand brown in colour, fine to medium grained.	9.00-18.00	9
3	Sand medium grained to coarse grained.	18.00-24.00	6
4	Coarse sand with little fragments of quartzitic schist.	24.00-30.00	6
5	Quartzitic schist, quartz vein and pegmatite.	30.00-36.00	6
6	Quartzitic schist	36.00-48.00	12
7	Weathered schist	48.00-72.00	24
8	Compact schist	72.00-105.00	33
Total depth			105.00 Mtr

D.) ASSEMBLY / PIPE DETAILS

The following pipe assembly was proposed after careful examination of drill cuttings and same has been lowered in the borehole:

S. No.	Diameter (mm)	Type of Pipe	Slotted Pipe	Depth range (m)		Length of pipe in m.	Remarks
				From	To		
1.	200	M.S. Plain Pipe	-	0.00	0.50	0.50 (Agl.)	
2.	200	M.S. Plain Pipe	-	0.00	33.0	33.0 (Bgl.)	
Total MS Pipe assembly lowered including AGL						33.50	

TOTAL DEPTH OF BORE HOLE IN Meters = 105

E.) HYDROGEOLOGICAL DATA

i Static Water Level	40 mtrs bgl
ii Discharge	200 GPH
iii Quality of Water	May be Potable

F.) CHEMICAL ANALYSIS RESULTS OF GROUND WATER:

1	ECx10 ⁶ microSiemens/cm at 25°C	
2	TDS mg/l	
3	pH	
4	Na ⁺¹ mg/l	
5	K ⁺² mg/l	
6	Ca ⁺² mg/l	
7	Mg ⁺² mg/l	
8	Cl ⁻¹ mg/l	
9	SO ₄ ⁻² mg/l	
10	CO ₃ ⁻² mg/l	
11	HCO ₃ ⁻¹ mg/l	
12	No ₃ ⁻¹ mg/l	
13	F ⁻¹ mg/l	
14	TH mg/l as Ca CO ₃	
15	Na %	
16	RSC meq/l	

(Himanshu Kumavat)

District Coordinator (RACP)
Peesangan Ground Water Cluster, Ajmer

(Gurudutt Bohra)

Sr. Hydrogeologist, GWD, Ajmer

PHOTOGRAPHS OF OBSERVATION CONSTRUCTED AT VILLAGE – GANAHERA



1. Village – GANAHERA : Inside Govt. School at Ganahera village

Physical verification / Inspection of works of Constructions of Observation Wells

1. Name of Village : **Ganahera** Gram Panchayat: **Ganahera** Block: **Pisangan**
2. Grid No: **40**
3. Toposheet No:
4. Geo-tech location : Latitude - **26.49560**; Longitude - **74.54152**
5. Type of Well : **Observation well**
6. Location of Well: **Inside govt. School at ganahera village**
7. Measuring Point (TOC): **0.50** (Mts)
8. Dimension: **200** (mm)
9. Type of Drilling rig: **DTH-16**
10. Total Drilling Depth in Mts.:
 - c) From measuring point: **105.00** (Mts)
 - d) From Ground Level **104.50** (Mts.)
11. Pipe Assembly lowered: **33.50** (Mts.)
12. Depth to Water Level in Mts.:
 - c) From measuring point: **40.00** (Mts)
 - d) From Ground Level: **39.50** (Mts.)
13. Double Cap Installed: **No**
14. Construction of Platform including civil works as per norms: **Yes**
15. Necessary marking and display board installed : **Yes**
16. Aquifer Performance Test conducted on observation wells: **No**
17. Reports submitted with technical data: **Yes**
18. Installation of DWLR Telemetric: **Not Applicable**
19. Sensor lowered at depth **NA** Mts.:
20. Length of Cables **NA** Mts.
21. Secured protection cover installed: **Yes**
22. Photograph Taken and kept on record: **Yes**
 - h) For drilling work : **Yes**
 - i) For lowering of Pipe assembly : **No**
 - j) Construction of Platform including civil works : **Yes**
 - k) Necessary marking and display boards installed : **Yes**
 - l) For installation of DWLR Telemetric : **Not Applicable**
 - m) For Lowering of Cables and sensor at required depth : **Not Applicable**
 - n) For Aquifer performance test conducted : **No**
23. Recorded By: **Himanshu Kumavat** (District Coordinator, RACP)

Gurudutt Bohra,
Sr. Hydrogeologist & PIA RACP, GWD, Ajmer

3. OBSERVATION WELL CONSTRUCTED AT VILLAGE – RAMPURA NAND

BASIC DATA REPORT (BDR) OF OBSERVATION WELL CONSTRUCTED UNDER RACP AT VILLAGE – RAMPURA NAND P.S.-PEESANGAN, DISTRICT – AJMER

A.) DRILLING MACHINE INFORMATION

- | | | |
|----|------------------------------------|---|
| 1 | Compilation | : Gurudutt Bohra, Sr. Hydrogeologist, GWD, Ajmer;
Himanshu Kumavat, District Coordinator, RACP |
| 2 | Geology / Hydrogeology | : Alluvium / Schist |
| 3 | Project / Scheme | : RACP |
| 4 | Name of Village | : RAMPURA NAND |
| 5 | Site / Location | : Inside Public Health Center |
| 6 | Latitude of bore well site | : 26.49560 |
| 7 | Longitude of bore well site | : 74.43362 |
| 8 | Drilling Crew In-charge | : Ramlal Choudhary |
| 9 | Drilling Machine/Rig No. &
Type | : DTH – 16 |
| 10 | Drilling Cost | : 126825.00 |

B.) HISTORY OF DRILLING OPERATION

The drilling machine DTH – 16 of Ground Water Department was commenced at site on dated 18/03/2018 and completed on dated 19/03/2018, drilled up to depth of 105mtrs. The size of diameter of borehole was 200 mm from the ground level to the bottom. The casing pipe assembly lowered up to the depth of 36.50 meters.

C.) LITHOLOGICAL LOG

The drill cuttings were collected at an interval of 3.00 mtrs or any change in the formation by the drilling crew. The sample were dried & packed in the labelled sample bags and based on examination of these cuttings, following lithological log has been prepared;

S. No.	Lithological characteristics.	Depth range in m.	Thickness in m.
1	Surface sand, fine to medium grained.	0.00-9.00	9
2	Sand brown in colour, fine to medium grained.	9.00-18.00	9
3	Sand medium grained to coarse grained.	18.00-27.00	9
4	Coarse sand with little fragments of quartzitic schist.	27.00-33.00	6
5	Quartzitic schist, quartz vein and pegmatite.	33.00-36.00	3
6	Quartzitic schist with some fragments of biotite.	36.00-48.00	12
7	Weathered schist.	48.00-69.00	21
8	Quartzitic smoky schist.	69.00-90.00	21
9	Compact schist.	90.00-105.00	15
Total depth			105.00

D.) ASSEMBLY / PIPE DETAILS

The following pipe assembly was proposed after careful examination of drill cuttings and same has been lowered in the borehole:

S. No.	Diameter (mm)	Type of Pipe	Slotted Pipe	Depth range (m)		Length of pipe in m.	Remarks
				From	To		
1.	200	M.S. Plain Pipe	-	0.00	0.50	0.50 (Agl.)	
2.	200	M.S. Plain Pipe	-	0.00	36.0	36.0 (Bgl.)	
Total MS Pipe assembly lowered including AGL						36.50	

TOTAL DEPTH OF BORE HOLE IN Meters = 105

E.) HYDROGEOLOGICAL DATA

i Static Water Level	40 mtrs bgl
ii Discharge	200 GPH
iii Quality of Water	May be Potable

F.) CHEMICAL ANALYSIS RESULTS OF GROUND WATER:

1	ECx10 ⁶ microSiemens/cm at 25°C	
2	TDS mg/l	
3	pH	
4	Na ⁺ mg/l	
5	K ⁺ mg/l	
6	Ca ²⁺ mg/l	
7	Mg ²⁺ mg/l	
8	Cl ⁻ mg/l	
9	SO ₄ ⁻² mg/l	
10	CO ₃ ⁻² mg/l	
11	HCO ₃ ⁻¹ mg/l	
12	No ₃ ⁻¹ mg/l	
13	F ⁻¹ mg/l	
14	TH mg/l as Ca CO ₃	
15	Na %	
16	RSC meq/l	

(Himanshu Kumavat)
District Coordinator (RACP)
Peesangan Ground Water Cluster, Ajmer

(Gurudutt Bohra)
Sr. Hydrogeologist, GWD, Ajmer

PHOTOGRAPHS OF OBSERVATION CONSTRUCTED AT VILLAGE – RAMPURA NAND



Village – RAMPURA NAND : Inside Public Health Center

Physical verification / Inspection of works of Constructions of Observation Wells

1. Name of Village : **Rampura Nand** Gram Panchayat: **Nand** Block: **Pisangan**
2. Grid No: **34**
3. Toposheet No:
4. Geo-tech location : Latitude - **26.49564**; Longitude - **74.43362**
5. Type of Well : **Observation well**
6. Location of Well: **Inside Public Health Center.**
7. Measuring Point (TOC): **0.50** (Mts)
8. Dimension: **200** (mm)
9. Type of Drilling rig: **DTH-16**
10. Total Drilling Depth in Mts.:
 - e) From measuring point: **105.00** (Mts)
 - f) From Ground Level **104.50** (Mts.)
11. Pipe Assembly lowered: **36.50** (Mts.)
12. Depth to Water Level in Mts.:
 - e) From measuring point: **40.00** (Mts)
 - f) From Ground Level: **39.50** (Mts.)
13. Double Cap Installed: **No**
14. Construction of Platform including civil works as per norms: **Yes**
15. Necessary marking and display board installed : **Yes**
16. Aquifer Performance Test conducted on observation wells: **No**
17. Reports submitted with technical data: **Yes**
18. Installation of DWLR Telemetric: **Not Applicable**
19. Sensor lowered at depth **NA** Mts.:
20. Length of Cables **NA** Mts.
21. Secured protection cover installed: **Yes**
22. Photograph Taken and kept on record: **Yes**
 - o) For drilling work : **Yes**
 - p) For lowering of Pipe assembly : **No**
 - q) Construction of Platform including civil works : **Yes**
 - r) Necessary marking and display boards installed : **Yes**
 - s) For installation of DWLR Telemetric : **Not Applicable**
 - t) For Lowering of Cables and sensor at required depth : **Not Applicable**
 - u) For Aquifer performance test conducted : **No**
23. Recorded By: **Himanshu Kumavat** (District Coordinator, RACP)

Gurudutt Bohra,
Sr. Hydrogeologist & PIA RACP, GWD, Ajmer

4. OBSERVATION WELL CONSTRUCTED AT VILLAGE – DOONGRIYA KHURD

BASIC DATA REPORT (BDR) OF OBSERVATION WELL CONSTRUCTED UNDER
RACP AT VILLAGE –DOONGRIYA KHURD P.S.-PEESANGAN, DISTRICT – AJMER

A.) DRILLING MACHINE INFORMATION

- | | | |
|----|---------------------------------|---|
| 1 | Compilation | : Gurudutt Bohra, Sr. Hydrogeologist, GWD, Ajmer; |
| 2 | Geology / Hydrogeology | : Alluvium / Schist |
| 3 | Project / Scheme | : RACP |
| 4 | Name of Village | : DOONGRIYA KHURD |
| 5 | Site / Location | : Inside Kabristan Land on doongariya khurd to majhewla road about 730 mtr distance from doongariya khurd village RHS |
| 6 | Latitude of bore well site | : 26.54341 |
| 7 | Longitude of bore well site | : 74.55190 |
| 8 | Drilling Crew In-charge | : Ramlal Choudhary |
| 9 | Drilling Machine/Rig No. & Type | : DTH – 16 |
| 10 | Drilling Cost | : 81384.00 |

B.) HISTORY OF DRILLING OPERATION

The drilling machine DTH – 16 of Ground Water Department was commenced at site on dated 23/03/2018 and completed on dated 24/03/2018, drilled up to depth of 105 mtrs. The size of diameter of borehole was 200 mm from the ground level to the bottom. The casing pipe assembly lowered up to the depth of 6.80 meters.

C.) LITHOLOGICAL LOG

The drill cuttings were collected at an interval of 3.00 mtrs or any change in the formation by the drilling crew. The sample were dried & packed in the labelled sample bags and based on examination of these cuttings, following lithological log has been prepared;

S. No.	Lithological characteristics.	Depth range in m.	Thickness in m.
1	Surface soil brown, fine to medium grained sand.	0.00-6.00	6
2	Coarse sand with little fragments of quartzitic schist.	6.00-15.00	9
3	Weathered quartzitic schist and pegmatite.	15.00-24.00	9
4	Quartzitic Schist with Muscovite.	24.00-33.00	9
5	Quartzitic schist, brown color quartz with biotite.	33.00-36.00	3
6	Quartzitic schist with some fragments of muscovite.	36.00-51.00	15
7	Quartzitic Schist, smoky to light greyish with Muscovite and Biotite.	51.00-66.00	15
8	Quartzitic Schist smoky to light grayish with Biotite.	66.00-90.00	24
9	Compact schist greenish black colour.	90.00-105.00	15
Total depth			105.00

D.) ASSEMBLY / PIPE DETAILS

The following pipe assembly was proposed after careful examination of drill cuttings and same has been lowered in the borehole:

S. No.	Diameter (mm)	Type of Pipe	Slotted Pipe	Depth range (m)		Length of pipe in m.	Remarks
				From	To		
1.	200	M.S. Plain Pipe	-	0.00	0.80	0.80 (Agl.)	
2.	200	M.S. Plain Pipe	-	0.00	6.0	6.0 (Bgl.)	
Total MS Pipe assembly lowered including AGL						6.80	

TOTAL DEPTH OF BORE HOLE IN Meters = 105

E.) HYDROGEOLOGICAL DATA

i Static Water Level	-
ii Discharge	-
iii Quality of Water	-

F.) CHEMICAL ANALYSIS RESULTS OF GROUND WATER:

1	ECx10 ⁶ microSiemens/cm at 25°C	
2	TDS mg/l	
3	pH	
4	Na ⁺¹ mg/l	
5	K ⁺² mg/l	
6	Ca ⁺² mg/l	
7	Mg ⁺² mg/l	
8	Cl ⁻¹ mg/l	
9	SO ₄ ⁻² mg/l	
10	CO ₃ ⁻² mg/l	
11	HCO ₃ ⁻¹ mg/l	
12	No ₃ ⁻¹ mg/l	
13	F ⁻¹ mg/l	
14	TH mg/l as Ca CO ₃	
15	Na %	
16	RSC meq/l	

(Himanshu Kumavat)
District Coordinator (RACP)
Peesangan Ground Water Cluster, Ajmer

(Gurudutt Bohra)
Sr. Hydrogeologist, GWD, Ajmer

PHOTOGRAPHS OF OBSERVATION CONSTRUCTED AT VILLAGE – DOONGRIYA KHURD



**Village – Doondgariya Khurd : Inside Kabristan Land on doongariya khurd to majhewla road about 730 mtr distance from doongariya khurd village
RHS**

Physical verification / Inspection of works of Constructions of Observation Wells

1. Name of Village : **Doongriya Khurd** Gram Panchayat: **Kadel** Block: **Pisangan**
2. Grid No: **18**
3. Toposheet No:
4. Geo-tech location : Latitude - **26.54341**; Longitude - **74.55190**
5. Type of Well : **Observation well**
6. Location of Well: **Inside Kabristan Land on doongariya khurd to majhewla road about 730 mtr distance from doongariya khurd village RHS**
7. Measuring Point (TOC): **0.80** (Mts)
8. Dimension: **200** (mm)
9. Type of Drilling rig: **DTH-16**
10. Total Drilling Depth in Mts.:
 - g) From measuring point: **105.00** (Mts)
 - h) From Ground Level **104.20** (Mts.)
11. Pipe Assembly lowered: **6.80** (Mts.)
12. Depth to Water Level in Mts.:
 - g) From measuring point: **Dry** (Mts)
 - h) From Ground Level: **Dry** (Mts.)
13. Double Cap Installed: **No**
14. Construction of Platform including civil works as per norms: **Yes**
15. Necessary marking and display board installed : **Yes**
16. Aquifer Performance Test conducted on observation wells: **No**
17. Reports submitted with technical data: **Yes**
18. Installation of DWLR Telemetric: **Not Applicable**
19. Sensor lowered at depth **NA** Mts.:
20. Length of Cables **NA** Mts.
21. Secured protection cover installed: **Yes**
22. Photograph Taken and kept on record: **Yes**
 - v) For drilling work : **Yes**
 - w) For lowering of Pipe assembly : **No**
 - x) Construction of Platform including civil works : **Yes**
 - y) Necessary marking and display boards installed : **Yes**
 - z) For installation of DWLR Telemetric : **Not Applicable**
 - aa) For Lowering of Cables and sensor at required depth : **Not Applicable**
 - bb) For Aquifer performance test conducted : **No**
23. Recorded By: **Himanshu Kumavat** (District Coordinator, RACP)

Gurudutt Bohra,
Sr. Hydrogeologist & PIA RACP, GWD, Ajmer