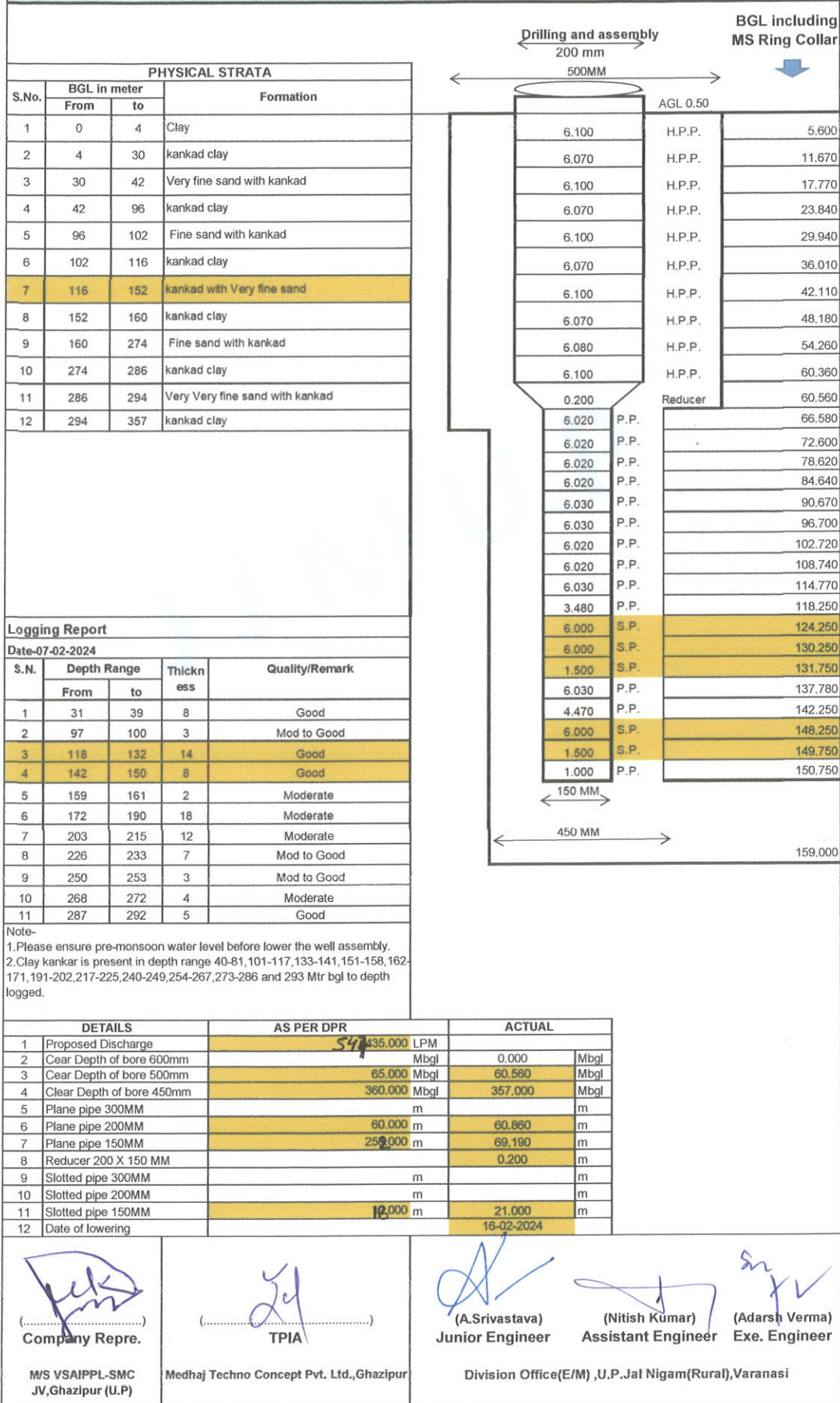


44

M/S VSAIPPL-SMC JV, Ghazipur (U.P)

Actual Strata Chart of BARACHAWAR REORGANISATION WSS, BLOCK -VARACHAWAR, ZONE 1, GRAM PANCHAYAT -BARACHAWAR TW3 Under Jal Jeevan Mission, District- Ghazipur(U.P.)



REPORT ON GEOPHYSICAL WELL LOGGING AT

GRAM PANCHAYAT- BARACHAWAR TW- 3 ZONE- 1, BLOCK- BARACHAWAR,
DISTT- GHAZIPUR
57. UNDER
JAL JIVAN MISSION

Introduction :

A Deep bore hole was drilled 360 mtrs. depth. and Logged depth 357.mtrs. at above site. Was drilled by M/s VSAIPPL-SMC-JV. Ghazipur.

On the request of M/s VSAIPPL-SMC-JV. Ghazipur. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 07.Feb.2024.

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 = 16.45 Ohms.

Drilling Water Resistivity = 17.12 Ohms.

Approx Water Level = 6 Mtr

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	31 - 39	8	Fine to Medium sand	Good
2.	97 - 100	3	Fine sand	Mod to Good
3.	118 - 132	14	Medium sand	Good
4.	142 - 150	8	Medium sand	Good
5.	159 - 161	2	Fine sand	Moderate
6.	172 - 190	18	Fine sand & kankar	Moderate
7.	203 - 215	12	Fine sand	Moderate
8.	226 - 233	7	Fine to Medium sand	Mod to Good
9.	250 - 253	3	Fine to Medium sand	Mod to Good
10.	268 - 272	4	Fine to Medium sand	Moderate
11.	287 - 292	5	Medium sand	Good

Note :- 1. Please ensure pre-monsoon water level before lower the well assembly
2. Clay kankar is present in depth range 40-81, 101-117, 133-141, 151-158, 162-171, 191-202, 217-225, 240-249, 254-267, 273-286 and 293 Mtr bgl to till depth logged.

