| | | BC | ORE L | OG I | DATA | SHE | ET | | | | | | |
|--|---|-------------------------|------------------------|----------|--------------------|------------|---------------------|--------------------------------|--------------------------------------|---|--|--|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dril | ling | Report N | lo.: GT / | ER/ | 81 / 2020 | -2021 | В.Н.1 | | | |
| Dia of Hole | 150 mm. | | | - | Coordin Sext An | | | 396.868 : 205.646 | | | | | |
| Depth | 15.05 m | | | - | Ground | Bed RL | 98 | .600 m. | | | | | |
| Commenced | on: 25.11.2020 | Completed on: | 25.11.202 | 0.0 | Location | | | Ch alim | an Doad D | ist Howard | | | |
| Ground Water | Table: 0.65 m belo | w E.G.L. | | | Location | l . | | Snaum | ar Koaa, D | ist Howrah. | | | |
| Г | Description of s | strata | I.S. Classification | R. | .L. in 'M' | | Thickness in 'M' | 'N' Valu | SAMPLES | Depth in 'M' | | | |
| | <u> </u> | | Class | Fron | n 7 | o | Thic in | e | Туре | | | | |
| grass roots, packets upto / brown silt & clay pots. | STRAY VALUE: Since SPT sa | | ; ; | 98.60 | 00 | 2 | 2.10 | *05 | D D P D | 0.00 0.50 0.50 – 0.95 1.50 2.00 | | | |
| stroke on cla | ay pots & brick | pieces. | | | 96. | 500 | | | | | | | |
| | troke on clay pots & brick pieces. Firm brown grey silty clay with kankausty brown silt spots. | | СН – МН | 96.50 | | 300 | 4.20 | 06 | U D P D U D | 2.00 - 2.45 3.00 $3.50 - 3.95$ 4.50 $5.00 - 5.45$ 6.00 | | | |
| with varyir wood and p | Very soft / soft grey / dark grey silty with varying percentage of decomposition wood and peat. (Traces to medium percentage) | | | 92.30 | 85 | | 7.00 | 03 02 02 | P D U D P D U D | 6.50 - 6.95 7.50 $8.00 - 8.45$ 9.00 $9.50 - 9.95$ 10.50 $11.00 - 11.45$ 12.00 $12.50 - 12.95$ | | | |
| | Firm / stiff bluish grey high plastic silty lay with rusty brown silt spots & kankars | | СН – МН | 85.30 | 83.: | 550 | | | D U | 13.50 14.60 – 15.05 | | | |
| | Borehole Terminated. | | | | | | | | | | | | |
| | ib Karmakar. | 10 | T T | T I 41 | - 2 L o duce | n=10 | | П | Ctondand D | materian T-st | | | |
| D - | Disturbed Samp | ie | U | – Unaist | turbed Sai | пріе | | l P | – Standard Pe | enetration Test | | | |

Page No.: 43

| | | ВС |)RE | LOC | i D | ATA S | HI | EET | Γ | | | |
|--------------------|--|-------------------------|------------------------|--------------|--------|-------------------------|-------|--------|--------------------|-------------|----------------------------------|------------------------------|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Rej | ort No.: G | Γ/Ε | ER / 8 | 31 / 2020 | - 2021 | B.F | I.2 |
| Dia of Hole | 150 mm. | | | | | ordination at Angles | | | 421.029 293.585 | | | |
| Depth | 40.05 m | | | | Gro | ound Bed R | L | 98.6 | 600 m. | | | |
| Commenced | on: 26.11.2020 | Completed on | : 28.11. | 2020 | Τ. | | | | C11: | an Dond | D:a | . II |
| Ground Water | Table: 0.30 m belo | w E.G.L. | | | Loc | cation: | | | Snaum | ar Koaa, . | Disi | t Howrah. |
| De | escription of str | rata | I.S. Classification | | | n 'M' | seado | in 'M' | 'N' Valu | SAMPLE | ES | Depth in 'M' |
| | | | Class | Fro | m | То | E | H .H | e | Type | | |
| | Cop fill of soft grey silty clay mixe ith grass roots & brick pieces. oft / firm brown / brownish grey silt | | | 98.6 | 00 | 98.100 | 0. | .50 | | D D | | 0.00 0.50 |
| clay with | oft / firm brown / brownish grey silt ay with traces of kankars & rust own silt spots. | | | 98.1 | 00 | 70.100 | | | | U D D | | 0.50 - 0.95 1.50 2.00 |
| | rown silt spots. | СН – МН | | | | | | 04 | P D U | | 2.00 - 2.45 3.00 $3.50 - 3.95$ | |
| | | | CI | | | | 5. | .70 | 05 | D P | | 4.50 5.00 – 5.45 |
| | | | | | | 92.300 | | | | D | | 6.00 |
| | / soft grey silt composed wood | | | 92.3 | 00 | | | | | U D | | 6.50 – 6.95 7.50 |
| | | | H | | | | | | 03 | P D | | 8.00 - 8.45 9.00 |
| | | | НО - Е | | | | 7 | .20 | | U D | | 9.50 - 9.95 10.50 |
| | | | СН | | | | , | .20 | 02 | P | | 11.00 - 11.45 |
| | | | | | | 85.100 | | | | D U | | $12.00 \\ 12.50 - 12.95$ |
| | high plastic ligh own silty clay w | ~ . | | 85.1 | 00 | | | | 06 | D P | | 13.50 14.00 – 14.45 |
| | rusty brown silt s | | MH | | | | | | | D U | | 15.00 15.50 – 15.95 |
| | | | СН - МН | | | | 6. | .00 | 12 | D P | | 16.50 17.00 – 17.45 |
| | | | | | | 79.100 | | | | D U | | 18.00 18.50 – 18.95 |
| Borehole Continued | | | | | | | | | | | | |
| | jib Karmakar. | | | - | | | | | | | | |
| D - | – Disturbed Samp | le | Ţ | J – Uno | listui | bed Sample |) | | l P | — Standard | | etration Test age No.: 44 |

| | | ВС | RE I | LOG | DΑ | TA SH | E | ΞT | | | | |
|---|---|-------------------------|------------------------|----------|--------|-------------------------|-----|---------------------|------------------------|-----------------------|---|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Re | port No.: G | Г/Е | ER / 81 | / 2020 – | 2021 | B.H 2 | |
| Dia of Hole | 150 mm. | | - | | | ordination at Angles | | | 21.029 93.585 | | | |
| Depth | 40.05 m | | - | - | Gre | ound Bed R | L | 98.60 | 00 m. | | | |
| Commenced | on: 26.11.2020 | Completed on: 2 | 28.11.20 | 20 | | | | | C1 1: | D 1 | 77 1 | |
| Ground Water | Table: 0.30 m. | | | | Lo | cation: | | | Shain | mar Road, | Howran. | |
| | | | tion | R | .L. iı | n 'M' | | ess . | | SAMPLES | | |
| D | escription of s | trata | I.S. Classification | Fron | 1 | То | | Thickness in 'M' | 'N' Value | | Depth in 'M' | |
| | ery stiff / hard mottled brown | | | | | | į | - | | Type | | |
| yellowish b | Very stiff / hard mottled brown vellowish brown low plastic clayey sandy ilt / sandy clayey silt with traces of mica. | | | 79.10 | 00 | 71.600 | 7 | 7.50 | 32 29 20 | P U P U P | 20.00 - 20.45 21.50 - 21.95 23.00 - 23.45 24.50 - 24.95 26.00 - 26.45 | |
| clayey silt v spots. • A thin yellowis | Very stiff mottled brown silty clay / clayey silt with kankars & rusty brown silt spots. • A thin band of very low plastic yellowish clayey silty sand was | | | 71.60 | 00 | 71.000 | | 0.00 | 26 28 | U P U P U | 27.50 - 27.95 29.00 - 29.45 30.50 - 30.95 32.00 - 32.45 33.50 - 33.95 | |
| observe | d from 35.00 to | 35.45m | МІ | 35.0 | 0 | 35.45 | C |).45 | 32 | P | 35.00 – 35.45 | |
| | | | | | | 61.600 | | | | U | 36.50 – 36.95 | |
| | Dense yellowish brown silty fine non plastic sand with traces of mica. | | | 61.60 | 00 | | | | 42 47 | P P | 38.00 – 38.45 39.60 – 40.05 | |
| | | | | | | 58.550 | | | | | | |
| Borehole Terminated. | | | | | | | | | | | | |
| | jib Karmakar. | | _ | | | | | | _ | | | |
| D - | Disturbed Samp | le | J | J − Undi | sturt | ped Sample | | | P - | - Standard Po | Page No.: 45 | |

| | | ВС | RE I | LOG | DA | ATA SI | ΗEI | ET | | | | |
|--------------------|---|-------------------------|------------------------|--------|--------|-------------------------|-----------|--------|--------------------|------------|-----|---------------------|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Re | port No.: G | Г/Е | CR / 8 | 31 / 2020 - | 2021 | B.I | H.3 |
| Dia of Hole | 150 mm. | | - | | | ordination xt Angles | | | 337.819 338.472 | | | |
| Depth | 40.45 m | | - | | Gre | ound Bed R | L | 98. | 700 m. | | | |
| Commenced | on: 29.11.2020 | Completed on: | 02.12.20 | 20 | | | | | al II | D 1 | ъ. | |
| Ground Water | Table: 0.80 m belo | w E.G.L. | | | Lo | cation: | | | Snauma | r Koaa, | Dis | t Howrah. |
| | | | tion | R | .L. iı | n 'M' | SS | 20.5. | | SAMPL | ES | |
| D | escription of s | trata | I.S. Classification | Fron | n | То | Thickness | in 'M' | 'N' Value | Tours | | Depth in 'M' |
| | | | C | | | | | • | | Type | | |
| | very soft grey | | | 98.70 | 00 | | | | | D D | | 0.00 0.50 |
| | ass roots upto 0.10 m, underlain by so ey silty clay with traces of brick piece | | | | | | 1. | 00 | | D | | 1.00 |
| | 90 m. finally underlain by very soft | | | | | | 1. | | | | | 1.00 |
| soft brown s | | | | | | 97.700 | | | | | | |
| | / grey clayey | | | 97.70 | 00 | | | | 02 | P | | 1.00 - 1.45 |
| with traces spots. | of kankars & ru | isty brown silt | HI | | | | | | | D U | | 2.00 |
| spois. | | | СН - МН | | | | 4. | 30 | | D | | 2.50 - 2.95 |
| | | | $\mathbf{C}\mathbf{H}$ | | | | | | 05 | P | | 3.50 |
| | | | | | | | | | | D | | 4.00 – 4.45 |
| | | | | | | 93.400 | | | | | | 5.00 |
| • | soft grey/ dark | ~ | | 93.40 | 00 | | | | | U | | 5.50 - 5.95 |
| with varying wood. | ng percentage | of decompose | | | | | | | 02 | D P | | 6.50 7.00 – 7.45 |
| | nedium percenta | uga) | но- | | | | | | 02 | D | | 8.00 8.00 |
| (Traces to II | neurum percenta | ige) |)•: | | | | 6. | 00 | | U | | 8.50 – 8.95 |
| | | | СН | | | | | | | D | | 9.50 |
| | | | | | | 87.400 | | | 03 | P | | 10.00 - 10.45 |
| | 87.400 D 11.00 | | | | | | | | | | | |
| | | | Во | rehole | Cor | ntinued | | | | | | |
| S. S.: Sanj | ib Karmakar. | | | | | | | | | | | |
| D - | Disturbed Samp | le | U | – Undi | sturb | ed Sample | | | P - | - Standard | Pen | etration Test |
| | | | | | | | | | | | P | age No.: 46 |

| | | ВС | RE I | LOG | DA | ATA SI | ΗE | ET | | | | |
|-----------------|--|-------------------------|------------------------|--------|--------|-------------------------|-----------|--------|--------------------|------------|-------|-------------------------------|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Rej | port No.: G | Г/Е | ER / 8 | 31 / 2020 - | 2021 | В.Н | 1.3 |
| Dia of Hole | 150 mm. | | - | | | ordination xt Angles | | | 337.819 338.472 | | | |
| Depth | 40.45 m | | | - | Gre | ound Bed R | L | 98. | 700 m. | | | |
| Commenced | on: 29.11.2020 | Completed on: (|)2.12.20 |)20 | Lo | cation: | | | Shalima | w Poad | Diet | - Howrah. |
| Ground Water | Table: 0.80 m belo | w E.G.L. | | | LO | cation. | | | Snauma | | Disi. | - 110wrun. |
| D | escription of s | trata | L.S. Classification | R | .L. iı | n 'M' | Thickness | in 'M' | 'N' | SAMPLE | ES | Depth in 'M' |
| | escription of s | ırata | I. Classii | Fron | n | То | L L | ii. | Value | Туре | | Deptii iii ivi |
| | o very stiff ligh | | | 87.40 | 00 | | | | | U | | 11.50 – 11.95 |
| | own high plastic | | | | | | | | | D | | 12.50 |
| | th calcareous nodules & rusty brown spots. | | | | | | | | 08 | P D | | 13.00 - 13.45 |
| siit spots. | | | | | | | | | | U U | | 14.00 14.50 – 14.95 |
| | | | HI | | | | | | | D | | 15.50 |
| | | | – MH | | | | | | 10 | P | | 16.00 – 16.45 |
| | | | СН | | | | 12 | .40 | | D | | 17.00 |
| | | | | | | | | | | U | | 17.50 - 17.95 |
| | | | | | | | | | 12 | P | | 19.00 - 19.45 |
| | | | | | | | | | | U | | 20.50 - 20.95 |
| | | | | | | 000 | | | 15 | P | | 22.00 - 22.45 |
| Y/ | 11 ' 1 | 1 1 | | | | 75.000 | | | 1.7 | U P | | 23.50 – 23.95 |
| | yellowish very | | – ML | 75.00 | 00 | | | | 17 | Р | | 25.00 - 25.45 |
| (c-\phi deposit | ith traces of clay | у. | | | | | | | | | | |
| (c-ψ deposit |) | | MI | | | 72.400 | 2. | .60 | | | | |
| Very stiff r | nottled brown s | silty clay with | | 72.40 | 00 | | | | | U | | 26.50 - 26.95 |
| traces of kar | nkars & rusty br | own silt spots. | | , 2. 1 | 50 | | | | 22 | P | | 28.00 - 28.45 |
| | | | МН | | | | | | | U | | 29.50 - 29.95 |
| | | | | | | | 10 | .20 | 23 | P | | 31.00 - 31.45 |
| | | | СН | | | | | | | U | | 32.50 - 32.95 |
| | | | | | | 62.200 | | | 25 | P | | 34.00 – 34.45 |
| Madissa / 1 | ongo ones 2:14 | fine cond:41- | | | | 62.200 | | | 20 | U | | 35.50 – 35.95 |
| traces of mi | ense grey silty | ime sand with | | 62.20 | 00 | | | | 28 37 | P P | | 37.00 - 37.45 $38.50 - 38.95$ |
| traces of fin | ca. | | \mathbf{SM} | | | | | | 43 | P | | 40.00 – 40.45 |
| | | | | | | 58.250 | | | 73 | 1 | | 10.00 70.73 |
| | | | Bo | rehole | Teı | rminated. | | | | | ı | |
| S. S.: Sani | ib Karmakar. | | | | | | | | | | | |
| | - Disturbed Samp | le | U | – Undi | sturb | ed Sample | | | P - | - Standard | Penet | ration Test |
| | • | • | | | | • | | | | | | ge No.: 47 |

| | | ВС | RE I | LOG | DA | TA SH | [E] | ET | | | | |
|----------------------|--|-------------------------|------------------------|------------------|--------|-------------------------|-----|---------------------|------------------|------------|-------|-----------------------|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Rej | port No.: G | Г/Е | ER / 81 | / 2020 - | 2021 | B.I | H 4 |
| Dia of Hole | 150 mm. | -1 | - | | | ordination at Angles | | | 32.472 46.900 | | | |
| Depth | 15.05m | | - | | Gro | ound Bed Rl | L | 99.00 | 00 m. | | | |
| Commenced | on: 02.12.2020 | Completed on: (|)2.12.20 |)20 | _ | | | | | | | |
| Ground Water | Table: 0.90 m belo | w E.G.L. | | | Loc | cation: | | 3 | halima | r Koad, | Dis | t Howrah. |
| | | | ation | R | .L. iı | n 'M' | | ess | O.D. | SAMPL | ES | |
| D | escription of st | trata | I.S. Classification | Fron | n | То | , | Thickness in 'M' | 'N' Value | | | Depth in 'M' |
| | | | C | | | | ŀ | | | Туре | | |
| | soft grey silty cl | | | 99.00 | 00 | | | | | D | | 0.00 |
| | ass roots upto 0.20 m, underlain ry soft / soft brown / grey clayey s | | | | | | | | | D D | | 0.50 1.00 |
| | xed with brick pieces & brick bats. | | | | | | | | | U | | 1.00 $1.00 - 1.45$ |
| | TRAY VALUE: Since SPT sample | | | | | | 3 | 3.70 | | D | | 2.00 |
| | roke on brick bats & brick pieces. | | | | | | | | *10 | P | | 2.50 - 2.95 |
| | Toke off offick dats & offick pieces. | | | | | 95.300 | | | | D | | 3.50 |
| Very soft | / soft grey si | lty clay with | | 95.30 | 00 | | | | | U | | 4.00 - 4.45 |
| | centage of decor | | | 75.50 | ,, | | | | | D | | 5.00 |
| (Traces to n | nedium to high p | percentage) | | | | | | | 03 | P | | 5.50 - 5.95 |
| | | | | | | | | | | D | | 6.50 |
| | | | | | | | | | | U | | 7.00 - 7.45 |
| | | | HC | | | | | | | D | | 8.00 |
| | | | СН – ОН | | | | 10 | 0.10 | 02 | P D | | 8.50 – 8.95 9.50 |
| | | | СН | | | | | | | U | | 9.30 10.00 – 10.45 |
| | | | | | | | | | | D | | 11.00 |
| | | | | | | | | | 03 | P | | 11.50 – 11.95 |
| | | | | | | | | | | D | | 12.50 |
| | | | | | | 85.200 | | | | U | | 13.00 – 13.45 |
| Firm light | bluish grey hig | h plastic silty | , , | 85.20 | 00 | | | | | D | | 14.00 |
| 1 | kankars & rus | ty brown silt | СН - МН | | - | | | | 05 | P | | 14.60 - 15.05 |
| spots. | | | Н. | | | | | | | | | |
| | | | | | | 83.950 | | | | | | |
| Borehole Terminated. | | | | | | | | | | | | |
| S. S.: San | jib Karmakar. | | | | | | | | | | | |
| | - Disturbed Samp | le | J | J – <u>Un</u> di | sturt | ed Sample | | | P - | - Standard | l Pen | etration Test |
| | | | | | | | | | | | P | age No.: 48 |

| | | ВО | RE I | OG I | DA | TA SE | HEE | T | | | |
|-------------------------------------|--|-------------------------|------------------------|-----------|--------|--------------------|----------|----------|--|---|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dr | illing | Re | port No.: C | ST / E | R / 8 | 1 / 2020 - | 2021 | B.H 5 |
| Dia of Hole | 150 mm. | | | | | ordination gles | Sext | | 294.312 263.546 | • | |
| Depth | 40.05 m | | | | Gre | ound Bed F | RL | 98. | .800 m. | | |
| | on: 03.12.2020 | Completed on: | 05.12.20 | 020 | | | | | | | |
| Ground Water | r Table: 1.20 m be | elow E.G.L. | | | Lo | cation: | | Å | Shalima | r Road, D | ist Howrah. |
| 1 | | | cation | R. | L. in | 'M' | cnes | , M | 'N' | SAMPLES | |
| De | Description of strata | rata | L.S. Classification | Fron | n | То | Thicknes | s in 'M' | Value | Туре | Depth in 'M' |
| | | | | 98.80 | 00 | 97.600 | 1.2 | 20 | | D D U | 0.00 0.50 0.50 – 0.95 |
| | Firm brown / grey silty clay / clayey silt with traces of kankars. | | | 97.60 |)0 | 94.300 | 3.3 | 30 | 04 | D D P D U | 1.50 2.00 2.00 - 2.45 3.00 3.50 - 3.95 |
| with decorpercentage. obtained from | Very soft / soft grey / dark grey silty clay with decomposed wood in varying percentage. Snail shells were also obtained from 4.80 m to 5.80 m. traces to medium to high percentage) | | | 94.30 | 00 | 85.800 | 8.5 | 50 | 03 02 03 | D P D U D P D U D U D U D U D U D U D U | 4.50 5.00 - 5.45 6.00 6.50 - 6.95 7.50 8.00 - 8.45 9.00 9.50 - 9.95 10.50 11.00 - 11.45 12.00 12.50 - 12.95 |
| | | | Ro | rehole (| Con | tinued | | | | | |
| 0 . 0 ''1 | IZ1 | | ъ0 | i enoie (| CUII | unucu | | | | | |
| . S.: Sanjib | | | | | | | | | T _ | ~ | |
| D - | Disturbed Samp | le | | U - Undi | isturl | bed Sample | 2 | | P – | Standard Pe | enetration Test |
| | | | | | | | | | | | Page No.: 49 |

| | BORE LOG DATA SHEET Type Shell and Rentonite | | | | | | | | | | | | | |
|----------------------------|--|-------------------------|------------------------|----------|-------|-------------------------|-----------|----------|--|--|---|--|--|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dr | illing | Rej | port No.: GT | Г/Е | ER / 8 | 31 / 2020 | - 2021 | B.H 5 | | | |
| Dia of Hole | 150 mm. | | | | | ordination kt Angles | | | 294.312 263.546 | | | | | |
| Depth | 40.05 | | | | Gre | ound Bed RI | L | 98.8 | 800 m. | | | | | |
| Commenced | on: 03.12.2020 | Completed on: | 05.12.2 | 2020 | | | | | GI 1: | D 1 | D: . II . I | | | |
| Ground Water | Table: 1.20 m belo | w E.G.L. | | | Lo | cation: | | | Shalim | ar Road, | Dist Howrah. | | | |
| De | escription of st | rata | I.S. Classification | | | n 'M' | Thickness | in 'M' | 'N' Value | SAMPLES | S Depth in 'M' | | | |
| | • | | Class | Fron | n | То | F | II | value | Type | | | | |
| mottled bro | tiff / very stiff grey / mottled blue nottled brown silty clay with kankars & asty brown silt spots. Medium compact brown silty fin | | | 85.80 | 00 | T 0 200 | 6. | .50 | 12 19 | D P D U D P | 13.50 14.00 - 14.45 15.00 15.50 - 15.95 16.50 17.00 - 17.45 18.00 | | | |
| mainly non mica & clay So | nainly non plastic sand with traces of nica & clay & silt as binder. • Some plasticity was observed at 23 m. | | | 79.30 | 00 | 79.300 73.800 | 5. | .50 | 25 29 | P U P U P | 18.50 - 18.95 20.00 - 20.45 21.50 - 21.95 23.00 - 23.45 24.50 - 24.95 | | | |
| / clayey silt • Pre obs | 23 m. Very stiff / hard mottled brown silty clay / clayey silt with rusty brown silt spots. | | СН – МН | 73.80 | 00 | 61.300 | | 2.5 0 | 37 18 26 20 25 | P U P U P Uslip P P | 26.00 - 26.45 $27.50 - 27.95$ $29.00 - 29.45$ $30.50 - 30.95$ $32.00 - 32.45$ $33.50 - 33.95$ $34.00 - 34.45$ $35.00 - 35.45$ $36.50 - 36.95$ | | | |
| | vn silty fine non | • | \mathbf{SM} | 61.30 |)0 | 58.750 | | | 38 47 | P P | 38.00 – 38.45 39.60 – 40.05 | | | |
| Borehole Terminated. | | | | | | | | | | | | | | |
| | b Karmakar. | | | | | | | | | | | | | |
| D- | Disturbed Samp | le | Ţ | J – Undi | sturt | oed Sample | | | P | - Standard | Penetration Test | | | |
| | | | | | | | | | | | Page No.: 50 | | | |

| | | ВС | ORE : | LOG | DA | ATA SI | ΙE | ET | | | |
|----------------|--|-------------------------|------------------------|----------|-------|-------------------------|-----------|------------|--------------------|-------------|------------------|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dr | illing | Re | port No.: G7 | Г/Е | R / 8 | 31 / 2020 | - 2021 | B.H 6 |
| Dia of Hole | 150 mm. | | | | | ordination xt Angles | | | 264.956 210.607 | | |
| Depth | 15.45m | | | | Gre | ound Bed Rl | L | 98.9 | 900 m. | | |
| Commenced | on: 04.12.2020 | Completed on: | 04.12.2 | 2020 | Lo | cation: | | | Ch alim | an Doad | Dist Houngh |
| Ground Wate | er Table: 1.60 m b | elow E.G.L. | | | LO | cation. | | | Snaum | ar Koaa, . | Dist Howrah. |
| | | | tion | R | .L. i | n 'M' | 886 | 55, | | SAMPLES | 3 |
| De | escription of st | rata | I.S. ifica | | | | Thickness | in 'M' | 'N' Value | Of HVII EEC | Depth in 'M' |
| | 1 | | I.S. Classification | Fron | n | То | Thi | ni Ti | value | Туре | 1 |
| _ | soft brownish / g | | | 98.90 | 00 | | | | | D | 0.00 |
| | th grass roots, snail shells, brick b brick pieces upto 1.20 m, underlain | | | | | | | | | D | 0.50 |
| | brick pieces upto 1.20 m, underlain ft brown silty clay /clayey silt w | | : | | | | | | | D | 1.00 |
| | It brown silty clay /clayey silt work of brick pieces. | yey silt with | - | | | | 2. | 70 | | D | 1.50 |
| traces of bri | ick pieces. | | | | | | | | | U | 1.50 - 1.95 |
| | C. / C' 1 '1. / '1. 1 | | | | | 96.200 | | | | D | 2.50 |
| Soft / firm g | oft / firm grey clayey silt / silty clay. | | | 96.20 | 00 | | | | | D | 3.00 |
| | | | – MH | | | | 1. | 60 | 04 | P | 3.00 - 3.45 |
| | | | СН | | | 94.600 | | | | D | 4.00 |
| Very soft/so | oft grey /dark g | rey silty clay | | 94.60 | 00 | | | | | U | 4.50 - 4.95 |
| | g percentage of | | | 74.00 | ,0 | | | | | D | 5.50 |
| wood. | | - | | | | | | | 02 | P | 6.00 - 6.45 |
| (Traces to h | igh percentage) | | | | | | | | | D | 7.00 |
| | | | Ю | | | | | ~ 0 | | U | 7.50 - 7.95 |
| | | | | | | | 8. | 50 | | D | 8.50 |
| | | | - НЭ | | | | | | 02 | P | 9.00 - 9.45 |
| | | | | | | | | | | D | 10.00 |
| | | | | | | | | | | U | 10.50 - 10.95 |
| | | | | | | | | | | D | 11.50 |
| | | | | | | 86.100 | | | 02 | P | 12.00 – 12.45 |
| | light bluish gr | | MH | 86.10 | 00 | | | | | D | 13.00 |
| | of kankars & rus | sty brown silt | <u> </u> | | | | | | | U | 13.50 – 13.95 |
| spots. | pots. | | | | | 02.450 | | | | D | 14.50 |
| | | | СН | 1 1 | T | 83.450 | | | 08 | P | 15.00 – 15.45 |
| | | | В | orenole | re | rminated. | | | | | |
| | b Karmakar. | | | | | | | | 1 | | |
| D - | Disturbed Samp | le | J | J - Undi | sturt | ped Sample | | | P | — Standard | Penetration Test |
| | | | | | | | | | | | Page No.: 51 |

| | | ВС | ORE | LOG | D | ATA SI | HE | ET | | | |
|----------------|---|-------------------------|------------------------|---------|-------|-------------------------|-------|--------|------------------|------------|-------------------------------|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dr | illing | Re | port No.: G | Г/Е | R / 81 | / 2020 - | 2021 | B.H.7 |
| Dia of Hole | 150 mm. | 150mm | | | | ordination xt Angles | | | 91.170 60.019 | | |
| Depth | 20.00m. | 40.20m | | | Gr | ound Bed R | L | 97.60 | 00 m. | | |
| Commenced | on: 10.12.2020 | Completed on: | 13.12. | 2020 | Lo | cation: | | | halima | n Doad 1 | Dist Howrah. |
| Ground Water | Table: 0.60 m belo | w E.G.L. | | | LO | cation. | | د. | | r Koaa, 1 | Jist Howran. |
| | | | ion | R | .L. i | n 'M' | 9 | S | | CAMDIE | c |
| De | escription of st | rata | I.S. Classification | | | | 0440 | in 'M' | 'N' Value | SAMPLE | Depth in 'M' |
| | - | | Class | Fron | n | То | E | E . E | value | Type | |
| | soft grey silty | | | 97.60 | 00 | | | | | D | 0.00 |
| _ | ith grass roots & brick pieces & hausted plastic packets. | | : | | | | 0. | .50 | | D | 0.50 |
| exhausted p | | | | | | 97.100 | | | | | |
| | orownish grey | | | 97.10 | 00 | | | | | U | 0.50 - 0.95 |
| | with traces of | rusty brown | | | | | | | | D | 1.50 |
| silt spots. | lt spots. | | | | | | | | | D | 2.00 |
| | ces of snail | | сн - мн | | | | _ | .20 | 04 | P | 2.00 - 2.45 |
| obs | erved at upper r | eaches. | H. | | | |). | .20 | | D | 3.00 |
| | | | S | | | | | | | U | 3.50 - 3.95 |
| | | | | | | | | | 05 | D P | 4.50 |
| | | | | | | 91.800 | | | 05 | Р | 5.00 - 5.45 |
| Very soft / | soft grey / da | rk grey silty | | 91.80 |)() | | | | | D | 6.00 |
| clay with | varying per | rcentage of | | 71.00 | , , | | | | | U | 6.50 - 6.95 |
| decomposed | d wood. | | | | | | | | | D | 7.50 |
| (Traces to n | nedium to high p | percentage) | H | | | | | | 03 | P | 8.00 - 8.45 |
| | | | СН - ОН | | | | 7 | .70 | | D | 9.00 |
| | | | Ħ | | | | · | ., 0 | | U | 9.50 - 9.95 |
| | | | _ | | | | | | | D | 10.50 |
| | | | | | | | | | 03 | P | 11.00 – 11.45 |
| | | | | | | 04.100 | | | | D | 12.00 |
| | | | ъ | 1 1 | | 84.100 | | | | U | 12.50 – 12.95 |
| 0 0 0 | **1 *** 1 | | В | orehole | e Co | ntinued | | | | | |
| | jib Karmakar. | , , | | ** ** | | 1 10 - | | | · - | a | - |
| D - | Disturbed Samp | le | | U – Und | listu | rbed Sample | 2 | | P - | - Standard | Penetration Test Page No.: 52 |

| | | ВС | ORE | LOG | D | ATA SI | HE | ET | | | | | |
|--|---|-------------------------|------------------------|---------|--------|-------------------------|--------------|------------------|--|-------------------------|-----|---|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dr | illing | Re | port No.: G | Г/Е | ER / 81 | / 2020 - | 2021 | В. | Н.7 | |
| Dia of Hole | 150 mm. | 150 mm | | | | ordination xt Angles | | | 91.170 60.019 | | 1 | | |
| Depth | 20.00 m. | 40.20m | | | | ound Bed R | L | 97.60 | | | | | |
| Commenced | on: 10.12.2020 | Completed on | : 13.12. | 2020 | _ | _ | | | | | | | |
| Ground Water | Table: 0.60 m belo | ow E.G.L. | | | Lo | cation: | | S | halima | r Koad, | Dis | t Howrah. | |
| D | agazintian of at | moto | I.S. Classification | R | .L. iı | n 'M' | | Inickness in 'M' | 'N' | SAMPLI | ES | Double in (M) | |
| De | Description of strata | rata | L. Classif | Fron | n | То | Ę | in | Value | Туре | | Depth in 'M' | |
| brown hig kankars & r Hard yellov sandy claye | Firm / stiff light bluish grey / mottled brown high plastic silty clay with kankars & rusty brown silt spots. Hard yellowish brown very low plastic sandy clayey silty sand / clayey sandy | | | 76.10 | | 76.100 | | .00 | 08 13 18 42 | D P D U D P U D P U P P | | 13.50 $14.00 - 14.45$ 15.00 $15.50 - 15.95$ 16.50 $17.00 - 17.45$ 18.00 $18.50 - 18.95$ 19.50 $20.00 - 20.45$ $21.50 - 21.95$ $23.00 - 23.45$ | |
| silt with tra | ces of mica. | | MI - ML | | | 72.100 | 4 | .00 | | U | | 24.50 – 24.95 | |
| | Stiff / very stiff mottled brown silty clay with kankars & rusty brown silt spots. | | СН – МН | 72.10 | 00 | | 7 | .50 | 10 19 34 | P U P U | | 26.00 - 26.45 27.50 - 27.95 29.00 - 29.45 30.50 - 30.95 32.00 - 32.45 | |
| | | | | | | 64.500 | | | | | | | |
| | Borehole Continued | | | | | | | | | | | | |
| | jib karmakar. | , I | | TT TT : | | 1 10 1 | | | ъ | G. 1 | 1.D | | |
| D- | – Disturbed Samp | oie | | U – Und | ııstuı | rbed Sample |) | | P - | - Standard | | Page No.: 53 | |

| | | ВС | ORE | LOG | D | ATA SI | HE | ET | | | |
|----------------|---|-------------------------|------------------------|---------|-------|-------------------------|------------|--------|------------------|------------|------------------|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dril | ling | Re | port No.: GT | C/EI | R / 81 | / 2020 - 2 | 2021 | B.H.7 |
| Dia of Hole | 150 mm. | 150 mm | - | - | | ordination xt Angles | | | 91.170 60.019 | | |
| Depth | 20.00 m. | 40.20m | _ | - | Gre | ound Bed RI | | 97.6 | 600 m. | | |
| Commenced | on: 10.12.2020 | Completed on | : 13.12. | 2020 | | | | | | | |
| Ground Water | Table: 0.60 m belo | ow E.G.L. | | | Lo | ocation: | | | Shalima | r Road, I | Dist Howrah. |
| | | | uc | R | .L. i | n 'M' | 5 | ō | | | |
| D ₆ | escription of st | rata | S. ficatio | | | | Thichness | in 'M' | 'N' | SAMPLE | Depth in 'M' |
| | Dense / very dense yellowish brown | rata | I.S. Classification | Fron | n | То | . <u>.</u> | i.i. | Value | Type | Depui iii ivi |
| Dense / ve | ry dense yellov | wish brown / | | 64.50 | 00 | | | | Slip | U | 33.50 – 33.95 |
| | fine non plasti | ic sand with | \mathbf{SM} | | | | | | 50 | P | 34.00 - 34.45 |
| mica & clay | ca & clay as binders. | | | | | | | | >100 | P | 35.00 - 35.45 |
| • A s | A sandwich band of hard brown Lawren placetic placetic pile with | | | | | | | | >100 | P | 36.50 - 36.80 |
| | low plastic clayey silt wi | | | | | | | | 83 | P | 38.00 - 38.45 |
| | ermediate prese | | | 58.10 | 00 | | | | 52 | P | 39.50 – 39.95 |
| | s observed fron | n 39.50 m to | ME | | | | | | 51 | P | 41.00 - 41.45 |
| 42.9 | 95 m. | | СН - МН | | | | 3. | .45 | 39 | P | 42.50 - 42.95 |
| | | | CE | | | 54.650 | | | | | |
| | | | | | | | | | >100 | P | 44.00 - 44.17 |
| | | | | | | | | | >100 | P | 45.50 - 45.95 |
| | | | | | | | | | >100 | P | 47.00 - 47.45 |
| | | | | | | | | | 82 | P | 48.50 - 48.95 |
| | | | | | | | | | >100 | P | 50.00 - 50.30 |
| | | | | | | | | | 82 | P | 51.50 – 51.95 |
| | | | | | | | | | >100 | P | 53.00 – 53.30 |
| | | | | | | | | | 92 | P | 54.50 – 54.95 |
| | | | | | | | | | 74 | P | 56.00 - 56.45 |
| | | | | | | | | | 84 | P | 57.50 – 57.95 |
| | | | | | | | | | 91 | P | 59.00 – 59.45 |
| | | | | | | 37.400 | | | >100 | P | 60.00 - 60.20 |
| | | | В | orehole | Te | erminated. | | | | | |
| | jib Karmakar. | | | | | | | | | | |
| D - | Disturbed Samp | ole | | U – Unc | listu | rbed Sample | ; | | P - | - Standard | Penetration Test |
| | | | | | | | | | | | Page No.: 54 |

| BORE LOG DATA SHEET | | | | | | | | | | | | |
|---|--|-------------------------|------------------------|---------|-------|---------------------------|--|----------------------|--------------------------------------|--|---|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dr | illing | Re | eport No.: G | Γ/Ε | ER / 81 | / 2020 - | 2021 | B.H.8 | |
| Dia of Hole | 150 mm. | | | | | oordination ext Angles | | | 46.247 4.149 | • | | |
| Depth | 15.05 m. | | | | | round Bed R | L | | 00 m. | | | |
| Commenced | on: 03.12.2020 | Completed on | : 03.12. | 2020 | In | ocation: | | | Shalima | r Road D | ist Howrah. | |
| Ground Water | Table: 0.90 m belo | w E.G.L. | | | Lo | cation. | | ט | | - Rouu, D | isi 110wran. | |
| De | escription of str | rata | L.S. Classification | | | n 'M' | - | I nickness in 'M' | 'N' Value | SAMPLES | Depth in 'M' | |
| | • | | Class | Fron | n | То | Ē | I .II | value | Type | | |
| Top soil of grass roots. | grey clayey sil | t mixed with | ŀ | 97.60 |)0 | 97.200 | 0 | .40 | | D | 0.00 | |
| clayey silt rusty brown | clay with varying percentage of | | | 97.20 | | 91.600 | 5 | .60 | 02 04 | D P D Uslip U D P U D | 0.50 $0.50 - 0.95$ 1.50 2.00 $2.00 - 2.45$ $2.50 - 2.95$ 3.50 $3.50 - 3.95$ 4.50 $5.00 - 5.45$ 6.00 | |
| clay with decomposed (Traces to r | Very soft / soft grey / dark grey silty clay with varying percentage of decomposed wood. (Traces to medium to high percentage) | | | 71.00 | | 83.000 | 8 | .60 | 03 04 02 | P D U D P D U D P D | 6.50 - 6.95 7.50 $8.00 - 8.45$ 9.00 $9.50 - 9.95$ 10.50 $11.00 - 11.45$ 12.00 $12.50 - 12.95$ 13.50 $14.00 - 14.45$ | |
| _ | irm light bluish grey silty clay with ankars & rusty brown silt spots. | | | | 00 | 82.550 | | | 05 | Р | 14.60 – 15.05 | |
| | | | В | orehole | e Te | erminated. | | | | | <u> </u> | |
| | jib Karmakar. | | | | | | | | 1 | | | |
| D - | Disturbed Samp | le | | U – Unc | listu | rbed Sample | <u>; </u> | | P - | - Standard F | Penetration Test | |
| | | | | | | | | | | | Page No.: 55 | |

| Type of boring | Shell and Auger | Bentonite Mud Boring | Dr | illing | Re | port No.: G | Г/Е | ER / 81 | / 2020 - | 2021 | B.I | Н. 9 |
|----------------|--|-------------------------|------------------------|---------|--------|-------------------------|-----|---------|------------------|------------|------|--------------------|
| Dia of Hole | 150 mm. | | | | | ordination xt Angles | | | 03.033 32.778 | | | |
| Depth | 40.25 m | | | | Gre | ound Bed R | L | 97.70 | 00 m. | | | |
| Commenced | on: 05.12.2020 | Completed on | : 08.12.2 | 2020 | La | cation: | | | 'lo alisoo a | n Dond | Dias | · Howards |
| Ground Water | Table: 1.65 m belo | w E.G.L. | | | LO | cation: | | ۵ | mauma | r Koaa, I | Disi | t Howrah. |
| D | escription of st | rata | I.S. Classification | R | .L. iı | n 'M' | 9 | in 'M' | 'N' | SAMPLE | ES | Depth in 'M' |
| | escription or st | raia | I. Classif | Fron | n | То | Ę | in c | Value | Туре | | Depui iii ivi |
| | soft grey silty | | | 97.70 | 00 | | | | | D | | 0.00 |
| silt with gra | lt with grass roots & brick pieces. oft / firm brown / grey clayey silt | | : | | | 97.100 | 0 | .60 | | D | | 0.50 |
| Soft / firm | brown / grey | clayey silt / | | 97.10 | 00 | | | | | D | | 1.00 |
| | ith traces of kar | | I | | | | | | | U | | 1.00 - 1.45 |
| brown silt s | rown silt spots also traces of mica. | | | | | | | | | D | | 2.00 |
| | | | | | | | 4 | .20 | | D | | 2.50 |
| | | | СН – МН | | | | | | 06 | P | | 2.50 - 2.95 |
| | | | | | | | | | | D | | 3.50 |
| | | | | | | 92.900 | | | | U | | 4.00 - 4.45 |
| • | soft grey / da | • • | | 92.90 | 00 | | | | | D | | 5.00 |
| clay with | | rcentage of | | | | | | | 03 | P | | 5.50 - 5.95 |
| decomposed | | ` | | | | | | | | D | | 6.50 |
| (Traces to n | nedium percenta | ige) | H | | | | | | | U D | | 7.00 - 7.45 8.00 |
| | | | СН – ОН | | | | o | .00 | 02 | P | | 8.50 – 8.95 |
| | | | Н- | | | | 0 | .00 | | D | | 9.50 9.50 |
| | | | C | | | | | | | U | | 10.00 – 10.45 |
| | | | | | | | | | | D | | 11.00 |
| | | | | | | | | | 02 | P | | 11.50 – 11.95 |
| | | | | | | 84.900 | | | | D | | 12.50 |
| | | | Во | orehole | Co | ntinued | | | | • | | |
| S. S.: San | jib Karmakar. | | | | | | | | | | | |
| | - Disturbed Samp | le | | U – Und | listuı | rbed Sample | ; | | P - | - Standard | Pene | etration Test |
| | | | | | | | | | | | P | age No.: 56 |

BORE LOG DATA SHEET

| BORE LOG DATA SHEET | | | | | | | | | | | | |
|----------------------|--|-------------------------|------------------------|----------|--------|-------------------------|-----|------------------|------------------|--------------|------------------------|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Re | port No.: G | Г/Е | ER / 81 | / 2020 - | 2021 | B.H.9 | |
| Dia of Hole | 150 mm. | | - | - | | ordination kt Angles | | | 03.033 32.778 | | | |
| Depth | 40.25 m. | | - | - | Gre | ound Bed R | L | 97.70 | 00 m. | | | |
| Commenced of | on: 05.12.2020 | Completed on: 0 | 08.12.20 | 20 | La | cation: | | | 'le alisee a | n Dond I | rist Housel | |
| Ground Water | Table: 1.65 m belo | w E.G.L. | | | Lo | cation. | | ۵ | | r Koaa, L | Dist Howrah. | |
| | | | ıtion | R | .L. iı | n 'M' | | ess. | | SAMPLES | 5 | |
| De | escription of st | trata | I.S. Classification | Fron | n | То | - | Thickness in 'M' | 'N' Value | | Depth in 'M' | |
| | | | Cla | 1101 | | 10 | Ē | | | Type | | |
| | ight bluish / g | • | | 84.90 | 00 | | | | | U | 13.00 - 13.45 | |
| | | clay with | – MH | | | | | | | D | 14.00 | |
| | nodules & rus | ty brown silt | | | | | 5 | .70 | 07 | P | 14.50 – 14.95 | |
| spots. | | | СН | | | | | | | D | 15.50 16.00 – 16.45 | |
| | | | | | | 79.200 | | | 17 | U P | 17.50 – 17.95 | |
| Medium co | ompact brown | mainly non | | 70.20 | 00 | 17.200 | | | | U | 19.00 – 19.45 | |
| | | | | 79.20 |)() | | | | 23 | P | 20.50 – 20.95 | |
| | lastic silty sand with traces of clay. | | | | | | | | | Ü | 22.00 - 22.45 | |
| | | | \mathbf{SM} | | | | 9 | .00 | 28 | P | 23.50 - 23.95 | |
| | | | 01 | | | | | | | U | 25.00 - 25.45 | |
| | | | | | | 70.200 | | | 25 | P | 26.50 - 26.95 | |
| Very stiff / | hard mottled b | rown / yellow | | 70.20 | 00 | | | | | U | 28.00 – 28.45 | |
| brown silty | clay / clayey s | ilt with traces | МН | 70.20 | ,, | | | | 19 | P | 29.50 - 29.95 | |
| of rusty brow | wn silt spots. | | 1 | | | | 6 | .00 | | U | 31.00 - 31.45 | |
| | | | СН | | | | | | 28 | P | 32.50 - 32.95 | |
| | | | | | | 64.200 | | | | | | |
| | ed brown very | y low plastic | | 64.20 | 00 | | | | | U | 34.00 - 34.45 | |
| clayey sandy | | | J | | | | _ | | 35 | P | 35.50 – 35.95 | |
| (c-\psi deposit) |) | | ML | | | | 6 | 00. | 100 | U | 37.00 – 37.45 | |
| | | | | | | 59 200 | | | >100 | P | 38.50 - 38.80 | |
| Very dense | brown cilty fi | ne non plactic | | F0.61 | 20 | 58.200 | | | >100 | P | 40.00 – 40.25 | |
| | Very dense brown silty fine non plastic and with traces of mica. | | | 58.20 |)() | | | | >100 | Г | 40.00 – 40.23 | |
| | sand with traces of mica. | | | | | | | | | | | |
| Borehole Terminated. | | | | | | | | | | | | |
| S. S.: Sanii | ib Karmakar. | | | | | | | | | | | |
| | Disturbed Samp | le | J | J – Undi | sturl | ped Sample | | | P - | - Standard 1 | Penetration Test | |
| <u> </u> | 1 | • | | | | • | | | - | | Page No.: 57 | |

| BORE LOG DATA SHEET | | | | | | | | | | | | | |
|---------------------------|--|-------------------------|------------------------|-----------------|-------|-------------------------|-----------|--------|--------------------|-------------|-----------------------|--|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dr | illing | Re | port No.: G | Т/Е | ER / 8 | 31 / 2020 - | 2021 | B.H.10 | | |
| Dia of Hole | 150 mm. | | | | | ordination xt Angles | | | 127.142 243.340 | | | | |
| Depth | 40.45 m | | | | Gr | ound Bed R | L | 97. | 800 m. | | | | |
| Commenced of Ground Water | on: 9.12.2020 Table: 1.40 m belo | Completed on ow E.G.L. | : 12.12. | 2020 | Lo | cation: | | | Shalima | ır Road, | Dist Howrah. | | |
| | | | - | ъ | , · | (3.4) | | | | | | | |
| Des | scription of st | rata | I.S. Classification | | | n 'M' | Thickness | in 'M' | 'N' Value | SAMPLE S | Depth in 'M' | | |
| | • | | Class | Fron | 1 | То | Thi | ii. | value | Type | | | |
| silty clay / | soft brownish g clayey silt with brick pieces. | | : | 97.80 | 00 | 97.500 | 0. | 30 | | D | 0.00 | | |
| | brownish grey | silty clay / | | 97.50 | 00 | | | | | D | 0.50 | | |
| clayey silt | with traces of | ferruginous | | 77.50 | ,, | | | | | D | 1.00 | | |
| spots & kank | kars. | | | | | | | | 04 | P | 1.00 - 1.45 | | |
| | | | СН – МН | | | | | | | D | 2.00 | | |
| | | | | | | | 5. | 00 | | D | 2.50 | | |
| | | | | | | | | | | U | 2.50 - 2.95 | | |
| | | | | | | | | | | D | 3.50 | | |
| | | | | | | | | | 05 | P | 4.00 - 4.45 | | |
| | | | | | | 02.500 | | | | D | 5.00 | | |
| Very soft / | soft grey / da | rk grey silty | | 00.50 | | 92.500 | | | | U | 5.50 – 5.95 | | |
| clay with | | rcentage of | | 92.50 |)() | | | | | D | 6.50 | | |
| decomposed | | or and a | | | | | | | 04 | P | 7.00 - 7.45 | | |
| | edium percenta | ige) | но- | | | | | | | D | 8.00 | | |
| | | | | | | | 7. | 00 | | U | 8.50 - 8.95 | | |
| | | | СН | | | | | | | D | 9.50 | | |
| | | | | | | | | | 02 | P D | 10.00 - 10.45 11.00 | | |
| | | | | | | 85.500 | | | | U | 11.50 – 11.95 | | |
| Firm / stiff | light bluish gr | rey / mottled | | 85.50 |)() | 55.500 | | | | D | 12.50 | | |
| | n plastic silty | | | 05.50 | ,0 | | | | 6 | P | 13.00 – 13.45 | | |
| _ | nodules & rust | • | H | | | | | | | D | 14.00 | | |
| spots. | | | – MH | | | | | | | U | 14.50 – 14.95 | | |
| | | | - НЭ | | | | 6. | 20 | | D | 15.50 | | |
| | | | S | | | | | | 11 | P | 16.00 – 16.45 | | |
| | 79.300 U 17.50 - 17.95 | | | | | | | | | | | | |
| Borehole Continued | | | | | | | | | | | | | |
| S. S.: Sanii | ib Karmakar. | | | | | | | | | | | | |
| | Disturbed Samp | le | 1 | U – <u>Un</u> d | istur | bed Sample | | | <u>P</u> - | - Standard | Penetration Test | | |
| | | | | | | | | | | | Page No.: 58 | | |

| | | ВО | RE L | OG 1 | DA | TA SH | EF | ET | | | |
|----------------------|--|-------------------------|------------------------|---------|--------|-------------------------|-----------|--------|--------------------|--------------|--------------------------------|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Rej | port No.: G | T / E | ER / 8 | 31 / 2020 | - 2021 | B.H.10 |
| Dia of Hole | 150 mm. | | - | | | ordination xt Angles | | | 127.142 243.340 | | |
| Depth | 40.45 m | | - | | Gre | ound Bed R | L | 97. | 800 m. | | |
| Commenced | on: 09.12.2020 | Completed on: 1 | 12.12.20 | 20 | | | | | C1 1: | n 1 n | |
| Ground Water | Table: 1.40 m belo | w E.G.L. | | | Lo | cation: | | | Snatimo | ar Koaa, D | ist Howrah. |
| | | | ion | R | .L. ir | n 'M' | 9 | 9 | | SAMPLES | |
| D | escription of s | trata | I.S. Classification | | | | Thickness | ,X | 'N' | SAMFLES | Depth in 'M' |
| | 1 | | Class | Fron | n | То | Thi | .⊞ | Value | Туре | |
| | wish brown ve | | L | 79.30 | 00 | | | | 34 | P | 19.00 – 19.45 |
| | ayey sandy silt with traces of mica. - φ deposit) | | | | | | 6 | 00 | 49 | U P | 20.50 - 20.95 22.00 - 22.45 |
| (c - \phi aepos | c - \(\psi \text{deposit} \) | | MI – ML | | | | 0. | 00 | 57 | P | 22.00 = 22.43 23.50 = 23.95 |
| X7 .: CC | | 1 1 9 | | | | 73.300 | | | | | |
| | nottled brown sa | | | 73.30 | 00 | | | | 22 | P | 25.00 – 25.45 |
| spots. | sandy silty clay with rusty brown si | | | | | | | | 26 | U P | 26.50 - 26.95 27.00 - 27.45 |
| эроло. | | | Н | | | | | | 26 29 | P P | 27.00 - 27.45 28.00 - 28.45 |
| | | | СН – МН | | | | | 00 | | r U | 29.50 – 29.95 |
| | | | .H. | | | | 9. | 00 | 25 | P | 31.00 – 31.45 |
| | | |) | | | | | | | U | 32.50 – 32.95 |
| | | | | | | | | | | C | 32.30 32.33 |
| | | | | | | 64.300 | | | | | |
| | wish brown / 1 | | | 64.30 | 00 | | | | 47 | P | 34.00 – 34.45 |
| | sandy clayey si vith rusty browr | • | \mathbf{SM} | 62.30 | 00 | 61.850 | 0. | 45 | 48 | P | 35.50 – 35.95 |
| | sandwiched ba | • | | | | | | | 52 | P | 37.00 – 37.45 |
| silty | y fine sand with | traces of mica | , | | | | | | | U | 38.50 – 38.95 |
| | s observed from | n 35.50 m to | ML | | | | | | 32 | P | 40.00 – 40.45 |
| 35.9 | 95 m. | | | | | 57.350 | | | | | |
| Borehole Terminated. | | | | | | | | | | | |
| S. S.: Sanj | jib Karmakar. | | | | | | | | | | |
| D - | Disturbed Samp | le | U | – Undis | sturb | ed Sample | | | P - | – Standard P | enetration Test |
| | | | | | | | | | | | Page No.: 59 |

| | BORE LOG DATA SHEET | | | | | | | | | | | | |
|-------------------------|------------------------------------|-------------------------|------------------------|-----------|--------|-------------------------|-----------|-----------|--------------------|--------------|---------------------|--|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dril | ling | Re | port No.: G | T / EI | R / 8 | 1 / 2020 | - 2021 | B.H.11 | | |
| Dia of Hole | 150 mm. | | | - | | ordination xt Angles | | | 208.286 249.990 | | | | |
| Depth | 15.45m | | | - | Gr | ound Bed R | L | 98.5 | 500 m. | | | | |
| Commenced | on: 3.12.2020 | Completed on: 4. | .12.2020 | | Ţ | | | | ~ | | | | |
| Ground Water | Table: 1.75 m belo | w E.G.L. | | | Lo | cation: | | λ. | Shalima | ır Koad, L | Dist Howrah. | | |
| | | | ion | R | .L. iı | n 'M' | SSS | , | | SAMPLES | 2 | | |
| Ι | Description of s | strata | I.S. Classification | | | | Thickness | in 'M' | 'N' Value | STAIVIT EEL | Depth in 'M' | | |
| | - | | Class | Fron | n | То | Thi | .11 | value | Type | | | |
| | oft greyish brov | | | 98.50 | 00 | | | | | D | 0.00 | | |
| mixed with | grass roots & bi | rick pieces. | 1 | | | | 0.9 | 90 | | D | 0.50 | | |
| | | | | | | 97.600 | | | | | | | |
| Soft greyisl | h brown silty cl | lay / clayey silt | | 97.60 | 00 | | | | | D | 1.00 | | |
| | rs & rusty brow | n silt spots also | | , , , , , | | | | | | D | 1.50 | | |
| mica. | ica. | | | | | | | | 03 | P | 1.50 - 1.95 | | |
| | | | | | | | 2.0 | CO | | D | 2.50 | | |
| | | | CH – | | | | 3.6 | 00 | | D | 3.00 | | |
| | | | ၁ | | | | | | | Uslip | 3.00 - 3.45 | | |
| | | | | | | | | | 04 | P | 3.50 – 3.95 | | |
| | | | | | | 94.000 | | | 02 | p | 4.50 – 4.95 | | |
| | | grey silty clay | | 94.00 | 00 | | | | | D | 5.50 | | |
| | ng percentage | of decomposed | | | | | | | | U | 6.00 - 6.45 | | |
| wood. | 12 | , | | | | | | | | D | 7.00 | | |
| (Traces to n | nedium percenta | ige) | | | | | | | 02 | P | 7.50 – 7.95 | | |
| | | | | | | | | | | D U | 8.50 9.00 – 9.45 | | |
| | | | НО | | | | | | | D | 10.00 | | |
| | | | 1 | | | | | | 03 | P | 10.50 – 10.95 | | |
| | | | СН | | | | 10. | 15 | | D | 11.50 | | |
| | | | | | | | | | | U | 12.00 – 12.45 | | |
| | | | | | | | | | | D | 13.00 | | |
| | | | | | | | | | 02 | P | 13.50 - 13.95 | | |
| | | | | | | | | | | D | 14.50 | | |
| | 83.050 U 15.00 - 15.45 | | | | | | | | | | | | |
| Borehole Terminated. | | | | | | | | | | | | | |
| S. S.: Sanjib Karmakar. | | | | | | | | | | | | | |
| D- | Disturbed Samp | le | U | – Undis | turbe | ed Sample | | | P - | - Standard F | Penetration Test | | |
| | | | | | | | | | | | Page No.: 60 | | |

| BORE LOG DATA SHEET | | | | | | | | | | | | |
|---------------------|---------------------------------------|-------------------------|------------------------|---------|-------|-------------------------|-----------|--------|--------------------|--------------|------------------|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dril | ing | Re | port No.: G | Г/Е | ER / 8 | 31 / 2020 | - 2021 | B.H 12 | |
| Dia of Hole | 150 mm. | | | - | | ordination xt Angles | | | 180.566 299.269 | | | |
| Depth | 40.45 m | | | = | Gr | ound Bed R | L | 98. | 100 m. | | | |
| Commenced | on: 6.12.2020 | Completed on: 7. | 12.2020 | | | | | | ~ | | | |
| Ground Water | Table: 1.15 m belo | w E.G.L. | | | Lo | cation: | | | Shalimo | ır Road, L | Dist Howrah. | |
| | | | tion | R | .L. i | n 'M' | 330 | S. C. | | SAMPLES | | |
| Ι | Description of s | trata | I.S. Classification | | | | Thickness | in 'M' | 'N' Value | STAVIT ELS | Depth in 'M' | |
| | • | | Class | Fron | n | To | Thi | iii | value | Type | | |
| _ | ~ | lay mixed with | | 98.10 | 00 | | | 20 | | D | 0.00 | |
| grass roots | & brick pieces. | | : | | | 97.800 | 0. | .30 | | | | |
| | ~ . | grey silty clay | | 97.80 | 00 | 27.000 | | | | D | 0.50 | |
| | ith traces of kankars & rusty brown s | | | | | | | | | D | 1.00 | |
| spots. | pots. | | H | | | | | | 03 | P | 1.00 - 1.45 | |
| | | | · MH | | | | | | | D D | 2.00 2.50 | |
| | | | СН – | | | | 4.5 | 50 | | U U | 2.50 - 2.95 | |
| | | | \mathbf{C} | | | | | | | D | 3.50 | |
| | | | | | | | | | | D | 4.00 | |
| | | | | | | 93.300 | | | 05 | P | 4.00 - 4.45 | |
| Very soft / | soft grey / dark | grey silty clay | | 93.30 |)() | 75.500 | | | | D | 5.00 | |
| | | of decomposed | | 93.30 | ,0 | | | | | U | 5.50 – 5.95 | |
| • | ces to medium p | • | | | | | | | | D | 6.50 | |
| , i | 1 | <i>U</i> , | | | | | | | 02 | P | 7.00 - 7.45 | |
| | | | H | | | | | | | D | 8.00 | |
| | | | СН – МН | | | | | 00 | | D | 8.50 - 8.95 | |
| | | | - Н | | | | 9. | .00 | | D | 9.50 | |
| | | | \mathbf{C} | | | | | | 03 | P | 10.00 - 10.45 | |
| | | | | | | | | | | D | 11.00 | |
| | | | | | | | | | | U | 11.50 – 11.95 | |
| | | | | | | 0.4.200 | | | | D | 12.50 | |
| | | | | , , , | | 84.300 | | | 02 | P | 13.00 – 13.45 | |
| Borehole Continued | | | | | | | | | | | | |
| | jib Karmakar. | , I | •• | TT 11 | . • | 10 1 | | | | G. 1.15 | | |
| D - | Disturbed Samp | le | U | – Undis | turbe | ed Sample | | | P- | – Standard P | Penetration Test | |
| | | | | | | | | | | | Page No.: 61 | |

| BORE LOG DATA SHEET | | | | | | | | | | | | | |
|----------------------|--|-------------------------|------------------------|----------|------------|-------------------------|-----------|--------|--------------------|--------------|------------------------|--|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dril | ing | R | eport No.: G | Г/Е | R / 8 | 31 / 2020 | - 2021 | B.H.12 | | |
| Dia of Hole | 150 mm. | | | - | | Coordination ext Angles | | | 180.566 299.269 | | | | |
| Depth | 40.45 m | | | - | G | Fround Bed R | L | 98. | 100 m. | | | | |
| Commenced | on: 6.12.2020 | Completed on: 7. | 12.2020 | | | | | | a | n 1 - | | | |
| Ground Water | Table: 1.15 m belo | w E.G.L. | | | L | ocation: | | | Shalima | ır Road, L | Oist Howrah. | | |
| | | | tion | R | .L. | in 'M' | 88 | | | SAMPLES | | | |
| | Description of s | strata | I.S. Classification | Fron | n | То | Thickness | in 'M' | 'N' Value | | Depth in 'M' | | |
| | | | Cla | FIOII | 11 | 10 | Тh | | | Туре | | | |
| | | grey / mottled | | 84.30 | 00 | | | | | D | 14.00 | | |
| | rown / blue silty clay / clayey silt win alcareous nodules & rusty brown silt spo | | | | | | | | | U | 14.50 – 14.95 | | |
| calcareous | alcareous nodules & rusty brown silt spot | | | | | | | | 12 | D P | 15.50 16.00 – 16.45 | | |
| | | | – MH | | | | Q | 20 | 12 | D P | 17.00 | | |
| | | | СН- | | | | 0. | 20 | | U | 17.50 – 17.95 | | |
| | | | ၁ | | | | | | | D | 18.50 | | |
| | | | | | | | | | 14 | P | 19.00 – 19.45 | | |
| | | | | | | 76.100 | | | | Ū | 20.50 - 20.95 | | |
| Medium / o | lense grey silty | fine sand with | | 76.10 | 20 | | | | 18 | P | 22.00 - 22.45 | | |
| mica & clay | | | \mathbf{SM} | 70.10 | 30 | | 4. | 30 | | U | 23.50 - 23.95 | | |
| | | | S 2 | | | 71.800 | | | 30 | P | 25.00 - 25.45 | | |
| Very stiff / | hard mottled br | own / grey silty | | 71.80 | 20 | | | | | U | 26.50 – 26.95 | | |
| | ınkars & rusty b | | | /1.00 | <i>J</i> O | | | | 22 | P | 28.00 - 28.45 | | |
| | • | • | HI | | | | | | | U | 29.50 - 29.95 | | |
| | | | - MH | | | | 8. | 70 | 25 | P | 31.00 – 31.45 | | |
| | | | СН | | | | | | | U | 32.50 - 32.95 | | |
| | | | | | | | | | 35 | P | 34.00 – 34.45 | | |
| | | | ļ | | | 63.000 | | | | | 1 2 20 2 2 2 | | |
| | • | brown silty fine | | 63.00 | 00 | | | | | U | 35.50 – 35.95 | | |
| sand with m | ica & clay as bi | nder. | \mathbf{SM} | | | | | | 28 | P | 37.00 – 37.45 | | |
| | | | S | | | 57.650 | | | 35 | P P | 38.50 – 38.95 | | |
| | | | | | | | | | | | | | |
| Borehole Terminated. | | | | | | | | | | | | | |
| | ib Karmakar. | 10 | ŢŢ | Hedi- | £17.41 | had Cample | | | р | Standard D | enetration Test | | |
| υ- | - Disturbed Samp | ie | U | – Unaisi | ıurı | bed Sample | | | P- | - Standard P | Page No.: 62 | | |
| | | | | | | | | | | | 1 age 110 02 | | |

| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Re | port No.: G | Г/Е | ER / 8 | 31 / 2020 - | 2021 | B.I | H.13 |
|--------------------|--|-------------------------|------------------------|---------|--------|-------------------------|-----------|--------|--------------------|-----------------------|-----|---|
| Dia of Hole | 150 mm. | | - | | | ordination xt Angles | | | 198.923 391.976 | | | |
| Depth | 40.45 m | | - | - | Gr | ound Bed R | L | 97.7 | 700 m. | | | |
| Commenced | on: 8.12.2020 | Completed on: 1 | 10.12.20 | 20 | _ | ,• | | | C1 1: | D 1 | ъ. | , 77 1 |
| Ground Water | Table: 0.65 m belo | w E.G.L. | | | Lo | cation: | | | Snauma | r Koaa, | Dis | t Howrah. |
| Г | escription of s | trata | I.S. Classification | R | .L. iı | n 'M' | Thickness | in 'M' | 'N' | SAMPLI | ES | Depth in 'M' |
| | | | I. Classif | Fron | 1 | То | Thic | , II | Value | Туре | | - |
| | soft grey silty cl & brick pieces. | ay mixed with | : | 97.70 | 00 | 97.400 | 0. | 30 | | D | | 0.00 |
| | Soft / firm brownish grey silty clay with cankars & ferruginous spots. | | | | 00 | | 5. | 50 | 04 | D P D D U | | 0.50 $0.50 - 0.95$ 1.50 2.00 $2.00 - 2.45$ 3.00 |
| | | | | | | 91.900 | | | 05 | P D U | | 3.50 - 3.95 4.50 $5.00 - 5.45$ |
| with varying wood. | Very soft / soft grey / dark grey silty clay with varying percentage of decomposed wood. (Traces to medium percentage) | | | | 00 | | 5. | 00 | 02 | D P D U D | | 6.00 $6.50 - 6.95$ 7.50 $8.00 - 8.45$ 9.00 |
| | | | СН - ОН | | | 86.900 | | | 03 | P D | | 9.50 – 9.95 10.50 |
| | | | Во | rehole | Co | ntinued | | | | | | |
| S. S.: San | S. S.: Sanjib Karmakar. | | | | | | | | | | | |
| D - | Disturbed Samp | le | U | – Undis | sturb | ed Sample | | | P - | Standard | | etration Test |
| | | | | | | | | | | | P | age No.: 63 |

BORE LOG DATA SHEET

| | BORE LOG DATA SHEET | | | | | | | | | | | | |
|----------------------|------------------------------------|-------------------------|------------------------|---------|-------|-------------------------|-----------|--------|--------------------|------------|--------------------------------|--|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Rej | oort No.: G | Г/Е | CR / 8 | 1 / 2020 | - 2021 | B.H.13 | | |
| Dia of Hole | 150 mm. | | - | | | ordination at Angles | | | 198.923 391.976 | | | | |
| Depth | 40.05 m | | - | | Gro | ound Bed R | L | 97. | 700 m. | | | | |
| Commenced | on: 8.12.2020 | Completed on: 1 | 10.12.20 | 20 | La | cation: | | | Chalin | an Doad | Dist Househ | | |
| Ground Water | Table: 0.65 m belo | w E.G.L. | | | LOC | zation: | | | Snaum | ar Koaa, I | Dist Howrah. | | |
| D | escription of s | trata | L.S. Classification | | | n 'M' | Thickness | in 'M' | 'N' Value | SAMPLES | Depth in 'M' | | |
| | • | | Class | Fron | n | То | T | .51 | value | Type | | | |
| | stiff light bluish | | | 86.90 | 00 | | | | | U | 11.00 – 11.45 | | |
| | clay with calca | reous nodules | | | | | | | | D | 12.00 | | |
| & rusty brov | wn silt spots. | | | | | | | | 05 | P | 12.50 - 12.95 | | |
| | | | | | | | | | | D | 13.50 | | |
| | | | | | | | | | | U | 14.00 – 14.45 | | |
| | | | | | | | | | | D | 15.00 | | |
| | | | СН – МН | | | | 13 | .20 | 18 | P | 15.50 – 15.95 | | |
| | | | | | | | | | | D | 16.50 | | |
| | | |) | | | | | | | U | 17.00 – 17.45 | | |
| | | | | | | | | | | D | 18.00 | | |
| | | | | | | | | | 23 | P | 18.50 – 18.95 | | |
| | | | | | | | | | 26 | U | 20.00 – 20.45 | | |
| | | | | | | 72 700 | | | 26 | P | 21.50 – 21.95 | | |
| Madiana | 1 1 | -:14 C: | | | | 73.700 | | | | U P | 23.00 – 23.45 | | |
| | dense brown | | \mathbf{SM} | 73.70 | 00 | | 2 | 00 | 30 37 | P P | 24.50 - 24.95 26.00 - 26.45 | | |
| • | d with traces ay & silt as bind | | \mathbf{S} | | | 70.700 | ٥. | UU | 37 | Г | 20.00 - 20.43 | | |
| | nottled brown s | | | | | 70.700 | | | 17 | P | 27.50 – 27.95 | | |
| | usty brown silt s | • | HI | 70.70 |)() | | | | 1 / | | | | |
| Kalikais & II | usty brown siit s | spois. | - N | | | | 5 | 00 | | U | 29.00 – 29.45 | | |
| | | | СН - МН | | | 65.700 | Ι. | 00 | 22 | P | 30.50 – 30.95 | | |
| Dense / ver | y dense brown | silty fine sand | | 65.70 | 00 | | | | | U | 32.00 – 32.45 | | |
| | clay as binder. | • | | 05.70 | ,0 | | | | 40 | P | 33.50 - 33.95 | | |
| | - | | 1 | | | | | | 37 | P | 35.00 - 35.45 | | |
| | | | \mathbf{SM} | | | | | | 45 | P | 36.50 - 36.95 | | |
| | | | | | | 57.650 | | | 51 | P | 38.00 - 38.45 | | |
| | | | | | | 37.030 | | | 63 | P | 39.60 – 40.05 | | |
| Borehole Terminated. | | | | | | | | | | | | | |
| , | ib Karmakar. | | | | | | | | | | | | |
| D - | - Disturbed Samp | le | U | – Undis | sturb | ed Sample | | | P | – Standard | Penetration Test | | |
| | | | | | | | | | | | Page No.: 64 | | |

| | BORE LOG DATA SHEET | | | | | | | | | | | | | |
|----------------|--|-------------------------|------------------------|---------|--------|-------------------------|-----------|--------|--------------------|------------|------------|---------------|--|--|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dri | lling | Re | port No.: G | T / E | ER / 8 | 31 / 2020 - | 2021 | B.l | H.14 | | |
| Dia of Hole | 150 mm. | | - | | | ordination xt Angles | | | 210.051 457.458 | | | | | |
| Depth | 40.05 m | | - | | Gr | ound Bed R | L | 97. | 400 m. | | | | | |
| Commenced | on: 12.12.2020 | Completed on: 1 | 14.12.20 | 20 | _ | .• | | | CI I | n 1 | D . | , 77 1 | | |
| Ground Water | Table: 0.70 m belo | w E.G.L. | | | Lo | cation: | | | Snauma | r Koaa, | Dis | t Howrah. | | |
| | | | tion | R | .L. iı | n 'M' | 996 | , , | | SAMPL | ES | | | |
| D | escription of s | trata | I.S. Classification | | | | Thickness | in 'M' | 'N' Value | 57 11 11 2 | Lo | Depth in 'M' | | |
| | 1 | | Class | Fron | n | То | E | .H | value | Type | | | | |
| | soft / firm brow | ~ . | | 97.40 | 00 | | | | | D | | 0.00 | | |
| • | with grass ro | ots and brick | | | | | _ | | | D | | 0.50 | | |
| pieces. | | | : | | | | 2. | 10 | | U | | 0.50 - 0.95 | | |
| | | | | | | 95.300 | | | | D D | | 1.50 2.00 | | |
| Soft / firm s | grey silty clay / o | clavev silt | – MH | 95.30 | 10 | 75.500 | | | 03 | P | | 2.00 - 2.45 | | |
| | ore, mining grey stroy end, , end, ey stro | | | 93.30 | ,0 | | | | | D | | 3.00 | | |
| | | | | | | | 2. | 70 | | U | | 3.50 - 3.95 | | |
| | | | СН | | | 02.600 | | | | D | | 4.50 | | |
| Very soft | / soft grey si | lty clay with | | 02.66 | | 92.600 | | | 03 | P | | 5.00 – 5.45 | | |
| | centage of decor | | | 92.60 |)() | | | | | D | | 6.00 | | |
| | nedium percenta | | | | | | | | | U | | 6.50 – 6.95 | | |
| | _ | | | | | | | | | D | | 7.50 | | |
| | | | | | | | | | 02 | P | | 8.00 – 8.45 | | |
| | | | ОН | | | | | | | D | | 9.00 | | |
| | | | СН - ОН | | | | 8. | 50 | | U | | 9.50 – 9.95 | | |
| | | | C | | | | | | | D | | 10.50 | | |
| | | | | | | | | | 02 | P | | 11.00 – 11.45 | | |
| | | | | | | | | | | D | | 12.00 | | |
| | | | | | | 84.100 | | | | U | | 12.50 – 12.95 | | |
| | | | Во | rehole | Cor | tinued | <u> </u> | | <u> </u> | | | | | |
| S. S.: Sanj | ib Karmakar. | | | | | | | | | | | | | |
| | - Disturbed Samp | le | U | – Undis | sturb | ed Sample | | | P - | - Standard | Pen | etration Test | | |
| | | | | | | | | | | | P | age No.: 65 | | |

| BORE LOG DATA SHEET | | | | | | | | | | | | |
|----------------------|--------------------|-------------------------|------------------------|---------|-------|---------------------------|------------------|--------|--------------------|------------|-----|--------------------------------|
| Type of boring | Shell and Auger | Bentonite Mud Boring | Dı | illing | Re | eport No.: G | T / E | ER / 8 | 31 / 2020 - | 2021 | В.1 | H.14 |
| Dia of Hole | 150 mm. | | | | | oordination ext Angles | | | 210.051 457.458 | | | |
| Depth | 40.05 m | | | | Gr | ound Bed R | L | 97. | 400 m. | | | |
| Commenced | on: 12.12.2020 | Completed on | : 14.12. | 2020 | , | .• | | | C11: | D 1 | D:- | 4 111 |
| Ground Water | Table: 0.70 m belo | w E.G.L. | | | Lo | ocation: | | | Snauma | r Koaa, | Dis | t Howrah. |
| | | | uol | R | .L. i | n 'M' | 99 | ŝ | | CAMPI | EG | |
| De | escription of st | rata | L.S. ificati | | | | Thickness | in 'M' | 'N' | SAMPLI | ES | Depth in 'M' |
| | | | I.S. Classification | Fron | n | То | 1. 1. 1.4. | III. | Value | Туре | | 1 |
| • | stiff bluish gr | • | | 84.10 | 00 | | | | | D | | 13.50 |
| | clay / clayey s | ilt with rusty | | | | | | | 15 | P | | 14.00 - 14.45 |
| brown silt s | pots. | | | | | | | | | D | | 15.00 |
| | | | | | | | | | | U | | 15.50 – 15.95 |
| | | | | | | | | | 10 | D | | 16.50 |
| | | | | | | | | | 12 | P | | 17.00 – 17.45 |
| | | | | | | | 17 | 7.70 | 16 | U P | | 18.50 - 18.95 $20.00 - 20.45$ |
| | | | сн - мн | | | | 1/ | .70 | 10 | U | | 20.00 - 20.43 21.50 - 21.95 |
| | | | S | | | | | | 23 | P | | 21.30 - 21.93 $23.00 - 23.45$ |
| | | | | | | | | | | U | | 24.50 – 24.95 |
| | | | | | | | | | 21 | P | | 26.00 - 26.45 |
| | | | | | | | | | | U | | 27.50 - 27.95 |
| | | | | | | | | | 24 | P | | 29.00 - 29.45 |
| | | | | | | 66.400 | | | | U | | 30.50 - 30.95 |
| Dense / ver | y dense brown | silty fine non | | 66.40 | 00 | | | | 32 | P | | 32.00 - 32.45 |
| | with traces of | mica & clay | | | | | | | 35 | P | | 33.50 - 33.95 |
| & silt as bin | ider. | | I | | | | | | 45 | P | | 35.00 - 35.45 |
| | | | \mathbf{SM} | | | | | | 53 | P | | 36.50 – 36.95 |
| | | | | | | | | | 50 | P | | 38.00 - 38.45 |
| | | | | | | 57.350 | | | 62 | P | | 39.60 – 40.05 |
| Borehole Terminated. | | | | | | | | | | | | |
| S. S.: Sani | ib Karmakar. | | | | | | | | | | | |
| | - Disturbed Samp | le | 1 | U – Und | istur | bed Sample | | | P - | - Standard | Pen | etration Test |
| | <u> </u> | | | | | <u> </u> | | | | | | age No.: 66 |