## APPENDIX - 2

### BORE HOLE DETAILS OF STUDY AREA

<table>
<thead>
<tr>
<th>Sl. No.</th>
<th>Well No.</th>
<th>Village and Taluk</th>
<th>Lat. and Long.</th>
<th>Depth drilled, m</th>
<th>Brief description of strata drilled</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. 92026</td>
<td>Ettaiyapuram</td>
<td>78°00'00 9°06'52''</td>
<td>17.00</td>
<td>0-1.5m - top soil block cotton soil 1.5-4.5m - highly weathered mica gneiss 4.5-12m - weathered mica gneiss 12-16.65m - fresh mica gneiss</td>
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<tr>
<td>2. 92095</td>
<td>Keel Eral Kovilpatti</td>
<td>78°00'45 9°05'32''</td>
<td>45 m</td>
<td>0-4m - top sandy clay 4-26m - highly weathered granite ferrous granite gneiss 26-43m - partly weathered garnitiferrous gr. gneiss 43-45m - fresh garnitiferrous gr. gneiss</td>
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<tr>
<td>3. 92100</td>
<td>Vellaram Ottapidaram</td>
<td>78°01'40 8°57'41''</td>
<td>36.20 m</td>
<td>GL - 1.5m - top block cotton soil 1.5-13.5m - weathered quartzite mica granitic gneiss 15-18m - weathered quartzite 18-21m - weathered jointed granite mica granitic gneiss 27-34.5m - partly weathered quartzite felspathic rock 34.5-36.2m - fresh mica gneiss</td>
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</tr>
<tr>
<td>4. 92101</td>
<td>Ottapidaram</td>
<td>78°03'5 8°54'15''</td>
<td>32.5 m</td>
<td>GL-7.0m - top sandy soil 7-17.0m - highly weathered gneiss 17.0-20.0m - partially weathered granitic gneiss 20.0-29.0m - fractured granitic gneiss 29.0 - 32.5 m - fresh granitic gneiss</td>
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</tr>
<tr>
<td>5. 92120</td>
<td>Ramalingapuram Kovilpatti</td>
<td>77°47'00 9°09'30''</td>
<td>19 m</td>
<td>GL-1.5m - top clay soil 1.5-4.5m - granite 4.5-10.5m - los- clay soil 10.5-14.0m - weathered charnockite 14-15m - quartzite vein 15-16m - partly weathered charnockite 16-18.25m - fissured charnockite 18.25-19.0m - fresh charnockite</td>
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</tbody>
</table>
| 6.     | 92124    | Panaiyur Vilathikulam | 78°11'55" 8°59'25" | 43.28 m | GL-1m - top red sandy clay  
1-7.8m - friable sand stone  
7.6-9.10m - less compact sand stone  
9.10-13.7m - compact calcareous sand stone  
13.7-19.8m - Friable sand stone with shells  
19.8-35m - highly weathered charnockite  
35-36m - partly weathered charnockite |
| 7.     | 92152    | Kayathar Kovilpatti | 77°47'38" 8°57'22" | 9.5 m | GL-1.5m - sandy soil  
1.5-3.0m - partly weathered garnetiferous granite gneiss extruded by quartzite vein.  
3-7.5m - jointed garnetiferous granite gneiss  
7.5-9.6m - fresh rock |
| 8.     | 92182    | Suraikapatti Kovilpatti | 77°57'55" 9°87'20" | 37 m | GL-1.00m - top soil  
1.3m - kankar  
3-10m - weathered gneiss  
10-13m - sandy clay  
13-18m - weathered charnockite  
18-23m - partly weathered charnockite with mica  
23-36m - jointed charnockite  
36-37m - fresh charnockite |
| 9.     | 92184    | Eppodumvendran Ottapidaram | 78°02'59" 9°01'15" | 45 m | GL-2m - top sandy soil mixed with kankar  
2-6m - weathered charnockite  
6-8m - fractured charnockite  
8-16.5m - fissured charnockite  
16.5-19m - calc gneiss  
19-35m - fissured mica colour charnockite  
35-36m - jointed charnockite  
36-42m - fissured charnockite  
42-45m - fresh charnockite |
| 10.    | 92225    | Sevalaperi | 77°47'11" 9°00'59" | 40 m | GL-1.50m - top soil  
1.50-4.00m - kankar  
4.00-12.0m - weathered granite ferrous  
12.0-20.0m - partly weathered granite  
20-30.0m - charnockite  
30-39.0m - weathered charnockite  
39-40m - fresh rock |