|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Component / Process | Hydrogen Production Facility | Hydrogen Refuelling Facility | Ammonia Production Facility |
| Generic construction preparation | Preparatory civil construction works, e.g.: grading/levelling, drainage and flood control, vegetation clearance, internal roads or road access |  |  |  |
| Facilities for construction workforce (e.g. sewerage) |  |  |  |
|  |  |  |  |
| In-puts to facility | On-site renewable energy generation facility |  |  |  |
| Supply of electricity from grid by third party |  |  |  |
| CCS facility |  |  |  |
| Water supply |  |  |  |
| Telecommunication service |  |  |  |
| Derivative inputs, e.g. nitrogen for ammonia, CO2 for methanation |  |  |  |
|  |  |  |  |
| H2 Production | Construction of a hydrogen production facility |  |  |  |
| Operation of a hydrogen production facility/plant and equipment |  |  |  |
|  |  |  |  |
| H2 Refuelling | Construction of a hydrogen production facility |  |  |  |
| Operation of a hydrogen production facility |  |  |  |
|  |  |  |  |
| Plant and Equipment | Hydrogen production equipment |  |  |  |
| Hydrogen conversion equipment |  |  |  |
| Hydrogen (or derivative) Storage equipment |  |  |  |
| Hydrogen (or derivative) fuel dispenser |  |  |  |
| Ammonia plant |  |  |  |
|  |  |  |  |
| Conversion | Compressed H2 |  |  |  |
| Liquefied H2 |  |  |  |
| Ammonia |  |  |  |
| Methanol |  |  |  |
| Metal hydride |  |  |  |
|  |  |  |  |
| Storage | Compressed H2 |  |  |  |
| Liquefied H2 |  |  |  |
| Ammonia |  |  |  |
| Methanol |  |  |  |
| Metal hydride |  |  |  |
|  |  |  |  |
| Transport of hydrogen or derivatives (Ammonia, Methanol, Metal Hydride) | Road |  |  |  |
| Rail |  |  |  |
| Pipeline |  |  |  |
| Ship |  |  |  |
|  |  |  |  |