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| **2.0** | **PROJECTS EXECUTED IN 2016 BY THE DEPARTMENT OF HYDROGEOPHYSICS** |
| **S/N** | **PROJECT/PROGRAM TITLE** | **PROJECT/PROGRAMME DESCRIPTION** | **AMOUNT APP. IN 2016** | **AMOUNT RELEASED FOR EXECUTION OF PROJECT IN 2016(N)** | **% COMPLETION** | **SPECIFIC ACHIEVEMENTS IN 2016** | **NO OF JOBS CREATED** | **CHALLENGES/CONSTRAINTS** |
|  | **Establishment of 50 new manual guage stations across major rivers and their tributaries in the country.** | i. Drilling and instrumentation of 5Nos. Tubewells in Kebbi State equipped with Opheus Mini data loggers |  | 7,980,000.00 | 100% | To date, 25 tubewells have been drilled and instrumented. These tubewells are used to determine water level fluctuations, abstraction and sustainability of the aquifers for irrigation and food production , poverty alleviation and food security in the north west zone | 15 | Late passage of appropriation bill and untimely releases of fund |
|  |  | ii. Security fencing of 5Nos. Tubewells in Kebbi State |  | 1,250,000.00 | 100% | Adequate security for the tubewells to guide against theft and vandalism. | 10 | Late passage of appropriation bill and untimely releases of fund |
|  |  | iii. Drilling and instrumentation of 1No. Deep Exploratory borehole in Sokoto State |  | 10,120,110.00 | 80% | Establishment and instrumentation of 1No. deep monitoring well in Sokoto (Marnona) state for water resources assessment and sustainable management through determination of groundwater water level, rate of abstraction and water quality monitoring towards fostering understanding with riparian states on management of transboundary waters to avoid conflict | 15 | Late passage of appropriation bill and untimely releases of fund |
|  |  | iv. Drilling and instrumentation of 1No. Deep Exploratory borehole in Kebbi State |  | 9,558,360.00 | 80% | Establishment and instrumentation of 1No. deep monitoring well in Kebbi (Kangiwa) state for water resources assessment and sustainable management through determination of groundwater water level, rate of abstraction and water quality monitoring towards fostering understanding with riparian states on management of transboundary waters to avoid conflict | 15 | Late passage of appropriation bill and untimely releases of fund |
| **3.0** | **PHOTOGRAPHS OF PROJECTS SHOWING LEVELS OF COMPLETION OF PROJECTS IN 2016** |
| i | See attached photographs |
| **4.0** | **DETAIL OF REVENUE GENERATED IN 2016** |
| i | The projects are mainly for research purposes and not for revenue generation |
| **5.0** | **PROVIDE GENERAL INFORMATION INCLUDING ACHIEVEMENTS WHICH WERE NOT CAPTURED IN 2.0 ABOVE** |
| i | Information same as in 2.0 above |
| **6.0** | **GENERAL CHALLENGES/CONSTRAINTS** |
| i | Late passage of appropriation bill and untimely releases of funds |
| **7.0** | **INCLUDE PICTURES OF EACH PROJECT WHICH SIGNIFICANT , WORK HAVE BEEN CARRIED OUT IN 2016** |
| i | See attached photographs |
| **8.0** | **BUDGET ANALYSIS** |
| i | There is improvement of budget allocation/releases and utilization compared to previous years. However, the overhead need to be reviewed upwards to cater for shortfalls in the running of the office, human capacity development and take care of staff welfare |
| **9.0** | **WAY FORWARD AND FUTURE DIRECTION OF THE AGENCY** |
| i | Adequate budgetary funding of our project activities |
| ii | Early passage of the appropriation bill and timely releases of funds |
| iii | Procurement/construction of permanent office building at the Headquarters of NIHSA |
| iv | Recruitment of more personnel for the Agency |
| v | Man power development and institutional capacity building |