| **Comments JSC ASE** | **Main General Comments** |
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| Addendum B.G is Appendix to the Contract and the document of higher level than TA for IMS. Addendum B.G must describe a structure and content of the project data base on the conceptual level.Detalization of all parameters of data bases (software, data, links between subsystems etc.) is the issue of private TA for each IMS subsystems module.Comment is not accepted. | Considering the fact that the Project Databases are considered to be a part of IMS subsystems, it is necessary that the document Technical Assignment for IMS (as the reference document) is initially approved by the Principal.Meanwhile it is necessary that detailed TA for IMS (for all modules and subsystems) is initially provided and submitted by the Contractor for Preliminary consideration of Attachment B.G. | 1 |
| It is not a comment. Notwithstanding that 3 subsystems (Data bases, “Organizational, administrative and executive document flow (OEDF)” and “Electronic technical document flow management (ETDM)”) are related IMS elements, it is not required to consider all these subsystems within Addendum B.G, a complex of these systems is described in the document of lower level (TA for IMS). | It is noteworthy that the Project Databases are considered as part of a comprehensive IMS system. In this regard it is necessary that the Modules«Organizational, administrative and executive Document Flow (OEDF) » and «Electronic Technical Document Management (ETDM) »of the IMS are discussed within the framework of IMS and clarified.  | 2 |
| Partially accepted. Non-compliances in the part of general terms are eliminated. | Considering the fact that Technical Alignment for IMS is considered to be the reference document, it is necessary to unify the title and definitions for all Terms and Definitions. In this regard, the terms «Organizational, administrative and executive Document Flow (OEDF) » and «Electronic Technical Document Management (ETDM) » are mentioned as examples. Meanwhile it shall be noted that in Procedure No. BU2.0120.0.0.PM.DС0001, the term EDC (Electronic Document Circulation) is applied. The difference between EDC with ETDM shall be clarified by the Contractor. | 3 |
| Not accepted. This is already indicated in the text of the document in sections B.G.1.2 and B.G.2.1  | It is necessary to add an Item within the text of Attachment B.G.:According to Technical Assignment for IMS BU2.0120.0.0.PM.EC0002, the relationship between Project Databases subsystem with the Electronic Document Management Subsystem (EDMS) and the related Modules i.e. Organizational, administrative and Executive Document Flow (OEDF); Electronic Technical Document Management (ETDM); Project documentation repository shall be established and the Project databases shall be provided and developed as one of IMS subsystems. | 4 |
| Accepted. Taken into consideration. | Item B.G.4.2: It shall be added that the format and requirements of reports will be announced later by the Principal during the Project. | 5 |
| Not accepted. Requirements to relations and interfaces is a TA level, for the Contract Addendum such detalization is not necessary. All necessary relations are written down in the document.All data bases will be implemented in the same software as “Organizational, administrative and executive document flow (OEDF)” and “Electronic technical document flow management (ETDM)”). | Considering Item number 4 of MoM dated 31.05.15, it is necessary for the Contractor to present the structure of each Database and the mutual relation between the Databases in detail. Item 4 of the mentioned MoM has not been completely fulfilled, i.e. the relationships between databases have not been clarified. Regarding the mentioned Item, it is necessary to remind that on the basis of Item No. B.2.8 of Appendix B to the Contract, the Contractor is obliged to define the structure and content of the Project databases and the related interfaces among them within Attachment B.G. It shall be reminded that the table or a list presented in Excel format cannot be considered as a Database. | 6 |
| Accepted. Added in item B.G.4.4  | It is necessary to add a new heading regarding the automatic updating of content in fields after changing in each table. | 7 |
| Accepted. Done | The figures shall be revised on the basis of implemented corrections regarding the titles of fields and etc. | 8 |
| Accepted. This item will be clarified to the Customer at the meeting on Appendix B.G. | The difference between subsidiary tables with supplementary tables shall be clarified by the Contractor. | 9 |
| Not accepted. All tables of data bases include Selection Lists – these are fields, which al reference books are connected to. The reference books themselves are just regular tables of data bases, which contain information not related to any particular type of documents but include additional information that is often repeated and used in fields with Selection Lists. | Item B.G.3.3: The term Reference Book is not clear; therefore it is suggested to change the mentioned term to the term Selection List. | 10 |
| Not accepted. It’s unnecessary to describe within Addendum B.G There are no separate import-export modules, there are just standard functions buttons, which will open simple screen forms. It is not required to develop separate detailed TA for standard functions. Functional work description will be stated in the instruction for the work with IMS subsystems.  | It is necessary to provide detailed explanations regarding Modules such as “Import” and “Export” and also other modules witch are related to Attachment B.G. within related detailed Technical Assignments. | 11 |
| Accepted. All text corrections are considered. All items needed to be clarified will be explained to the Customer at the meeting on Appendix B.G. | The corrections specified throughout the text of documents shall be considered by the Contractor and modified. Meanwhile there are some ambiguities throughout the text of documents (highlighted parts) which shall be clarified by the Contractor and further discussed between the Parties. | 12 |
| Accepted. The samples can be sent to your address, it is required to specify, which tables shall be sent and to which address (e-mail). | Submission of examples about fields of tables may be useful for understanding the nature of databases. | 13 |
| Not accepted. This wording already exists in document sections B.G.1.2  and B.G.2.2.3  | An item shall be added explaining that the quantity and contents of fields will be correspondingly extended in the course of development of the Project, upon agreement of the Parties. | 14 |

| **Comments JSC ASE** | **Specific Comments** |
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| **The Principal Comment**  | **Item Title as per Attachment** | **Item No. as per Attachment** | **№** |
| The comment does not require correction. This is just a statement of the fact that there are no requirements to obligatory presence of such fields in Appendix B. | In Item B.G.2.2.2 has been mentioned that “Appendix B does not contain any requirements for this field”. Specification of IMS or its databases is not explained in Appendix B. Therefore the requirements of hyperlinks or document codes shall be specified in another documents, such as TA for IMS or Attachment B.G. | Hyperlink with the document (Appendix B does not contain any requirements for this field) | Item B.G.2.2.2 | 1 |
| Accepted. Corrected. The description and the code structure have been added. | The structure of mentioned code shall be specified. In case that the mentioned code is provided on the basis of Guideline No. BU2.0120.0.0.QM.DC0003, the corrections added to the text shall be implemented by the Contractor. The Item shall be clarified by the Contractor. | Documentcode (AppendixBdoesnotcontainany requirements for this field) –the code is automatically generated by the system | Item B.G.2.2.2 | 2 |
| Not accepted. It is not reasonable to add in Addendum B.G such diagrams due to potential changes of the software, software requirements etc.  | It is necessary that schematic of IMS application windows and menus in B.G. are explained and presented completely in related detailed Technical Assignments.  | Openingofthesaveddocumentfromthesystemusingthe hyperlinkshall be made by clicking on the document title | Item B.G.2.2.4 | 3 |
| Not accepted. This structure is effective from the point of view of the Contractor’s Design unit and includes all subsections described in this item in earlier revisions of the document. | It is necessary to consider the previous agreements and MoMs regarding the classification of Design documents and complete the mentioned Item. | SECTION “DESIGN DOCUMENTS” | Item B.G.3.2.2 | 4 |
| Accepted. Added. | It is necessary to add the following field to the mentioned Item:* Serial No. of Payment
* Certificate No.
 | Payment schedule (invoices to the Principal) | Annex 1, Subsection 6, Table No. 37 | 5 |
| Not accepted.These fields already exist in the document – fields 7, 8, 9 of App. 1, Subsection 6, Table No. 38In Appendix 1 Subsection 6, Table No. 37 there is field 22 – a feature of belonging to Appendix К, by means of the role system set up by this feature it is possible to single out from the table a List of payments into a separate table “List of payments under Appendix K”. | It is necessary to add a separate table regarding Appendix K (as explained in previous revision by the Principal)It is necessary to add the following field to the List of Contracts:* Start date
* Due Date
* Duration of Contract
 | List of Contracts | Annex 1, Subsection 6, Table No. 38 | 6 |
| Accepted, Fields are added. | It is required that Storage time or shelf Time be added to the exclusive user (main) field in table Nos.46 & 49 | SpecificationofeachlistofSpareandReplaceableParts required for the Warranty Period (Subsidiary table);SpecificationofeachlistofSpareandReplaceableParts for the 5-year period of the Plant operation (Subsidiary table); | Annex 1, Subsection 8, Table Nos. 46 & 49 | 7 |
| Accepted.The Reference book for the status of equipment is added, items B.G.3.3.3.2, B.G.3.3.3.1, Appendix 1are modified.Safety class field already exists (field 8 of table 86), the reference book for safety classes is added to it. Items B.G.3.3.3.2, B.G.3.3.3.1, Appendix 1 have been modified. | It is required that status of equipment be added to user (main) field in table No.86(data for each specification) and the contents of this field shall be used as reference book (drop down list).For the reference book(drop down list) of the equipment status:* Purchase order
* Contracted
* Being manufactured
* Manufactured
* In Preservation
* Ready for Shipment
* Shipment
* Incoming control
* In Warehouse
* Installed

It is required that safety class of equipment be added to user (main) field in table No.86( data for each specification) and the contents of this field shall be used as reference book (drop down list).For the reference book(drop down list) of the equipment safety class:* Safety class according to OPB-88/97
	+ 1
	+ 2
	+ 3
	+ 4
* Classification designation according to OPB-88/97
	+ 1N
	+ 2N
	+ 2NPC
	+ 2NC
	+ 3N
	+ …
* Category of seismic resistance
	+ I
	+ II
	+ III
 | Data for each specification (Subsidiary table) | Annex 1, Subsection 13, Table No. 86 | 8 |
| RA – Reclamation act, the document is to be opened on the basis of faults detection, when the factory defect of a product is acknowledged. | It is necessary to clarify RA given in table No.89 (Fault detection reports) | Faultdetectionreports | Annex 1, Subsection 13, table No. 89 | 9 |
| Specification on table 84 – design demand in equipment / materials issued by the Contractor’s designers for purchasing the equipment for the unit construction.This item will be clarified to the Customer in more details during the meeting on Appendix B.G. | It is necessary to clarify Article given in table No.84 (Specifications for the equipment, articles and materials) | Specifications for the equipment, articles and materials | Annex 1, Subsection 13, Table No. 84 | 10 |
| Not accepted. Подразумевается It is implied that the Equipment data base contains all equipment and materials, including the equipment, that do not have KKS codes. | It is required that List of equipment with MCS code be added to the Equipment data bases. | Equipment | Subsection 13 | 11 |
| Accepted. DB is added. Item B.G.3.2.18 and Appendix 1 are modified. | It is required that identification code for welded joints be added to the other data bases. | Other data bases | Subsection 18 | 12 |
| Accepted. DB is added. Item B.G.3.2.18 and Appendix 1 are modified | It is necessary to add an Item regarding the Database for registration of events and accidents. | - | - | 13 |