

Clarifications (1-20), (21-52), (53-57), (58-67) & (68-73) on NDR Tender Document

Sl	Tender Document Section	Reference	Clarification on S3
1	Article 4.5	Stage-3	<p>Please clarify what DGH means by Standard application?</p> <p>DGH Clarification: Standard applications are the ones commonly available in E&P industry.</p>
2	5	To perform all the necessary business continuity and disaster recovery tasks”	<p>Please clarify What is the KPI for allowed down time? what is the permissible down time within which the system has to be restored?</p> <p>DGH Clarification: Please refer to Article 13.1 for allowed downtime Also refer to last line of Article 12 which states that “Downtime that is allowed before the backup can be restored is no more than one working day.”.</p>
3	5	To provide help and support (and end-user training, if required) to NDR users	<p>Please elaborate the term NDR users?</p> <p>DGH Clarification: NDR users refer to DGH personnel, E&P companies, Institutions and others who are registered to use NDR.</p>
4	5.1	Mobilization and build up – up to 6 months	<p>Please clarify If the mobilization & build –up phase is completed before 6 months (i.e. stipulated time frame as per tender Document) , Will Operation phase would extend beyond 3.5 years</p> <p>DGH Clarification: For operation phase duration please refer to Article 5 of Section-3 (Page 21-22) with heading “Contract Phases and proposed Timeline”.</p>
5	6.2.1		<p>Please clarify the format of OBC data?</p> <p>DGH Clarification: It includes all standard formats of OBC data prevailing in the industry.</p>
6	6.2.3	Physical assets	<p>Please clarify, where will these assets be stored after entry is made in the system?</p> <p>DGH Clarification: Separate designated space will be provided on the premise of NDR Centre itself for storage of physical assets.</p> <p>Please clarify, whether Physical assets metadata information needs to be published on NDR website</p>

			<p>for end user access?</p> <p>DGH Clarification: Metadata information of those data loaded or in the process of being loaded in NDR need to be published on NDR website.</p>
7	6.2.4	Access DB of Spatial Data	<p>Please clarify will there be multiple versions of this database?</p> <p>DGH Clarification: There will not be multiple versions of same data.</p> <p>However once data is loaded in to NDR, it may be necessary to modify/update the loaded data as when necessary.</p> <p>Also clarify will this data, after migrating from the existing DB to the NDR, change</p> <p>DGH Clarification: Yes, during each NELP round new shape files etc will be added to the DB. And also when ever new lease boundary is created or wells are drilled we may to add these to DB. Loaded seismic and well data will remain almost static.</p>
8	6.2.5	Reference to item 'h'	<p>Please clarify whether reference to item 'h' is typo, as there is no description for item 'h'</p> <p>DGH Clarification: Yes, 'For items c through to h' shall read as 'For items c through to g'.</p>
9	6.3	Table 1 & 2 - Data volumes and Initial dataset	<p>Please clarify whether the scanned logs quantity mentioned in table 1 & 2 of tender document for initial data set are accurate ? In Table 2 i.e. initial data set quantity of scanned logs is 4000 which do not match with the quantity of scanned logs (4800) in the Data Volumes of Table 1</p> <p>DGH Clarification: On average, the number of scanned logs per well is kept at 4. In Table 2, the number of scanned logs shall read (2400, 2400, 4800) in stead of (2400, 1600, 4000). Figures of Table 1 are correct.</p>
10	6.3.1	Table 3 - Size of field Data - 3590 tapes	<p>Please clarify how the figure 90,000 arrived at for media 3590? As per tender document the figure is 70,000 (3500*20=70,000)</p> <p>DGH Clarification: The number of 3590 cartridges shall be read as 6000 in stead of 3500. The total number of 3590 is 6100 as given under the total column.</p>
11	6.3.1	Table 3 - Total no: of 3590 tapes	<p>Please clarify, how is the figure 6,100 arrived at for no. of cartridges? As per tender document the</p>

			<p>figure 3600 (3500+100 = 3600)</p> <p>DGH Clarification: The total number of 3590 is 6100 as given under the total column which is sum total of 6000 and 100 as explained in the # 10 above.</p>
12	6.3.2	Table 4 - "Other Reports"	<p>Please elaborate meaning of other reports viz what do they contain? Will they need to be loaded as document?</p> <p>DGH Clarification: "Other Reports" includes reports other than Well and Seismic Reports. Yes, they need to be loaded as document and to be attached to relevant E&P objects in NDR.</p>
13	10.1	Hardware	<p>Please clarify what DGH meant data delivery Server?</p> <p>DGH Clarification: The description of "Data Delivery Server" given on the rightmost column of 10.1 is self explanatory.</p> <p>Normally, download requests for Bulk data by users of NDR will be handled by the Data Delivery server, while taking in to account the following:</p> <ol style="list-style-type: none"> 1. Security aspects of NDR Data access. 2. Also ensuring while simultaneous bulk data down loads are happening, the main servers like web Interface Server and/or other NDR application servers are not overloaded.
14	10.3	11b,c - Other data services	<p>Will DGH pay the Contractor to fix these problems?</p> <p>DGH Clarification: No, unless the Contractor is required to provide call-on service as per Article 10.3.16. However, the contractor shall keep the time log spent on such activities to take it into account of such spent time while measuring performance of the Contractor.</p>
15	11.1	Server Room	<p>Please provide the details of NDR room floor plan?</p> <p>DGH Clarification: NDR is proposed to be established on 5th and 6th floors of its new building coming up in Noida, each floor measuring approximately 15,000 square feet. The bidders are requested to provide along with the technical bid, the approximate floor areas required for servers, robotics, networking, working areas etc and as far as possible to submit an indicative schematic diagram of the NDR Centre.</p>

16	10.1	Hardware	<p>Page 36- Database/Application(s) server:</p> <p>The specification states (Quad processors) can you clarify your requirements as being which of the following:- 1 x Quad Core Processor 4 x Quad Core Processor</p> <p>DGH Clarification: The server is with minimum of 1x Quad Core Processor. The vendor shall provide higher processing capacity if the proposed overall NDR solution requires it. The load characteristics of servers need to be worked out by the vendor and provided in the technical bid while suggesting the overall HW solution.</p>
17	10.1	Hardware	<p>Page 36- Operating system:</p> <p>Is the operating system to be exclusively Red Hat Enterprise Linux or Windows or is a combination of both permissible Please confirm that the workstations do not require a Windows server version.</p> <p>DGH Clarification: The operating system is Red Hat Enterprise Link for the major systems like Database/Application(s) server, data delivery and Tape Robotic. Windows may be used with other servers where applicable.</p>
18	10.1	Hardware	<p>There is no mention of an Authentication server. How do you envisage the Authentication being implemented, is this with an existing system.</p> <p>DGH Clarification: If your system environment requires a separate Authentication server then you must include it.</p>
19	10.1	Hardware	<p>The specification calls for Fibre Channel (FC) connectivity for all storage solutions and for each workstation. This would appear to have severe cost implications over ISCSI which will provide equivalent performance. Is FC a mandatory requirement?</p> <p>DGH Clarification: Yes it is.</p>
20	10.1	Hardware	<p>Page 37- Bar Coding: Does the term Barcoder refer to a barcode printer?</p> <p>DGH Clarification: Barcoder includes barcoder printer. DGH shall provide only the PC for the bar-coding operation while the vendor is to provide the softwares, barcode reader, printer, etc. Please refer</p>

to Articles 6.2.3, 8.6 and 10.3.13 of Section 3 for details.

		Query (21-52)	
	Tender Document Section	Reference	Clarification on S3
21	5	NDR Operation -Table 4	<p>Please clarify do bidder has to quote for minimum for 11 persons or for less manpower?</p> <p>DGH Clarification: The bidder has to quote for minimum of 11 persons. Please refer Article 5 of S4 for details.</p>
22	7.2	Pg 32: Media Standard	<p>Please clarify that consumables will be at additional cost?</p> <p>DGH Clarification: The consumables that are listed to be provided by DGH will be at the cost of DGH. Media cost as given in Scope of Work is at the cost of DGH.</p>
23	9.0	Clause 9, pg 35- Training	<p>Please confirm that DGH will provide HW, infrastructure & facilities for carrying out training?</p> <p>DGH Clarification: For end-user training of NDR users, the HW-Infrastructure-Facility set up of NDR will be used.</p>
24	10.1	Hardware – Application Server	<p>Please clarify is DGH looking for 4 no. of processors or 1 processor with 4 core?</p> <p>DGH Clarification: Please refer to Clarification # 16.</p> <p>What is the purpose of having 1 TB internal disk expandable up to 32 TB – in Application Server</p> <p>DGH Clarification: The purpose of the internal disk of minimum 1 TB proposed is for software installation, operating system virtual memory requirements and index files storage requirements (if any) of applications for quick lookup of data. The vendor shall provide higher disk capacity if the proposed software requires it.</p>
25		Hardware – Mail Server	<p>Please clarify whether bidder is required to Quote for Mail Server software viz Virus protection, Spam protection and Gateway level protection ?If yes then how DGH is planning to use the same i.e for internal user's usage or</p>

			<p>external ? Also confirm whether bidder need to Quote for mail administrator?</p> <p>DGH Clarification: DGH will use NDR through DGH LAN connecting to NDR LAN via Firewall, Article 11.5 of S3. In this way DGH users in DGH are external users. For DGH representative/staff using facility within NDR Centers will be internal users. Bidder is required to supply virus protection, spam protection and gateway level protection in the mail Server for both internal and external users.</p> <p>Bidder must not quote for the mail administrator as the cost of the same will be borne by DGH.</p>
26	10.3	Section 10.3 page 43 – data Room Support	<p>Please clarify does Contractor require to provide visualization applications & hardware to be used in data room. Where will these data rooms be located? Are they virtual or physical data rooms? Further details explanation of this aspect is kindly requested.</p> <p>DGH Clarification: Yes, Contractor has to provide visualization applications in 4 workstations to be used by DGH staff in the NDR data centre. These four workstations can act as data rooms and are located in NDR data center.</p> <p>However, Contractor is not required to provide visualization applications & hardware for any additional data rooms in DGH office outside of NDR data center.</p>
27		Clause 10.3, pg 42: "Additional Services" offered by NDR as revenue generator for DGH	<p>Please Clarify how bidder will be paid for additional services by DGH?</p> <p>DGH Clarification: The bidder will not be paid for services/additional services that constitute the present Scope of Work apart from the quoted monthly NDR operation cost. Any work beyond the present Scope of Work will be dealt with as per Change Management Procedures, Article 4.6 of Section-3.</p>
28	11.3	Page 45 item 11.3 - Telephone, internet, email”,	<p>Please confirm is this typo : The first line of para says “All cabins, rooms in NDR will be equipped with telephone, secured internet and secured e-mail facility”; however the next line states “Contractor will implement secure e-mail, and wired internet...”.</p> <p>The scope of this is not clear. Please confirm whether the contractor required to set up the email boxes of the individual users? If yes, who</p>

			<p>are these users? Does the contractor need to perform the wiring for the internet facility as well?</p> <p>DGH Clarification: The article 11.3 is clear. All cabins that the Contractor's or DGH staff occupies in the NDR Data Center will be provided with the telephone and internet ports along with the wiring. However, the Contractor will implement the security aspects of the same.</p>
29	11.6	Consumables	<p>Please clarify will all other consumables, even those not listed in the tender document , if required for NDR operation will be provided by DGH?</p> <p>DGH Clarification: No.</p>
30	6.2.4	Bathymetry data – low & high at certain contour intervals	<p>Please clarify What will be the format of this input data?</p> <p>DGH Clarification: The formats for the bathymetry input data will be in industry standard Arc GIS compatible shape file.</p>
31		Spatial data of all types of boundaries (Cultural Data) can be provided as shape files (.shp)	<p>Please clarify whether cultural data remain as .shp file in NDR environment and published to map from shape file? Or it has to be loaded to spatial database?</p> <p>DGH Clarification: It has to be loaded to spatial database.</p>
32	6.3	Scanned log	<p>Please clarify what will be the format of scanned Log?</p> <p>DGH Clarification: Formats for scanned log could be in PDF. However, the scanned logs can also be in some other formats commonly provided by various logging service providers.</p>
33	8.1	Ability to retrieve and load/enter data as per entitlement	<p>Please clarify what does DGH means by the same? Is DGH mean: operator should be able to download data online? or Operator would upload data online from Web?</p> <p>DGH Clarification: Yes, operator should be able to download/upload data online as per their entitlement. Whenever data is uploaded by the operator, it will be uploaded and will stay in the NDR staging area for QA/QC before being populated to NDR.</p>
34		Self-service by operators (Operator loading may be done in the future for new, “problem-free”, standard data.)	<p>We request to please elaborate the same. Does it means – future scope may include facility for operator to upload data online? As per our understanding the current scope doesn't include</p>

			<p>this?</p> <p>DGH Clarification: Please refer to clarification # 33. The present scope includes the ability to upload the data by the operators.</p>
35		Ability to register users after verification	<p>Please clarify what will be the registration process? Is it online sign up for all? Or Does this have any kind of public free access?</p> <p>DGH Clarification: An entity wishing to be registered as NDR user may submit the request-form online and the password will be issued by the Contractor after verification by DGH representative. Public www access may be without registration.</p>
36		Ability to request for a survey name as per naming standard	<p>Please elaborate the same? Whether user will submit the survey information and generate survey name by themselves? Or user submits the details and DGH will name it according to naming standard and inform operator on a service desk workflow?</p> <p>DGH Clarification: User will submit the survey information in the input form whenever a new survey is being conducted and the system shall generate survey name as per naming standard automatically and transmit the same to the user and update the NDR database.</p>
36a		The web-based solution shall present information from both spatial and NDR databases.	<p>Please clarify the Spatial database! Is it the existing MS access database? Or something different? Or the shape (.shp) files.</p> <p>DGH Clarification: Spatial database should be in industry standard prevailing.</p>
37	8.3	DGH personnel will access the NDR in exactly the same manner as other participants, except for those with more entitlements as approved by the DGH	<p>Please clarify how many approximate user will be from DGH?</p> <p>DGH Clarification: Users from DGH office will access NDR through DGH LAN connected to NDR LAN through Firewall. Number of DGH simultaneous users will be 24. Apart from these DGH users, through WWW access 50 simultaneous users shall be there. Please refer clarification # 43.</p>
38	8.4	This group of users shall initially access their data from DGH premises utilizing the data rooms specifically set up for this purpose or through the WWW. Later on when web access is operational	<p>Please clarify when web access need to be operational? After the buildup period? Or after initial data population phase?</p> <p>DGH Clarification: Web access need to be made operational at the beginning of the initial data population phase.</p>

39	8.6	Data Registration: Asset indexing/cataloguing/meta data	<p>Please elaborate? Physical assets catalog – should be viewable to www users?</p> <p>DGH Clarification: NDR metadata that is already populated need to be viewable to WWW users.</p>
40		Reporting	<p>Please clarify specifically what precise info these reports will contain? Data Registration reporting? Who will be the users of this report?</p> <p>DGH Clarification: Report will contain information on asset status and movement/flow to be used by DGH Representative.</p>
41	8.8	To the extent possible, data ordering and delivery shall be on a “self service” basis	<p>Please clarify is there any guideline for entire data-types? Please specify what should be available for online download, what should be delivered offline?</p> <p>DGH Clarification: Online data download request may be on any type of data as per entitlement. Only bulk data which may take considerable time to download should be delivered offline.</p>
42		Delivery shall be CD, DVD, LTO, 3590 or 3592 depending on the volume of data requested.	<p>Please clarify does user need option to choose his preferred media type? Or it’s DGH decision based on data types?</p> <p>DGH Clarification: Normally, user will have option to choose preferred media type.</p>
43	10.1	Bidder’s solution shall handle a minimum of 50 simultaneous user requests from online for viewing GIS enabled Metadata and download or order the bulk data, in addition to the NDR internal work load.	<p>Please clarify: How many concurrent users will be from DGH? How many concurrent users from outside?</p> <p>DGH Clarification: (refer clarification #37) Number of concurrent users from DGH will be 24 and from outside 50.</p>
44		DGH is interested in a solution of storing pre stack data sitting on tapes to a near-line (robotic) system. In this manner, aging media is not an issue for DGH since NDR backup and media life expectancy issues are part of a practical NDR backup procedure(s).	<p>Please clarify whether the same robotic be used for this and backup purpose? Or two different robotic?</p> <p>DGH Clarification: Same robotic.</p>
44a		The online disk storage must act as a staging area for the near-line robotic system depending on what seismic projects are	<p>Please clarify does DGH means 1. Disk storage and 2nd Robotic Library?</p>

		<p>being worked on. Depending on the usage criterion for the staging area, projects will be going back and forth between the staging area and near-line (robotic system). Bidders shall provide a seamless solution for the two storage systems.</p>	<p>DGH Clarification: If any requested-for data is not available online at any given time, the NDR solution shall be able make such data available online from near-line robotics or offline storage-to-near-line robotics and notify the user about it planned availability.</p>
45		<p>IN THE NOTE BIDDER:</p> <p>DGH is interested in a solution of storing pre stack data sitting ontapes to a near-line (robotic) system. In this manner, aging media is not an issue for DGH since NDR backup and media life expectancy issues are part of a practical NDR backup procedure(s). The online disk storage must act as a staging area for the near-line robotic system depending on what seismic projects are being worked on.</p>	<p>Please clarify whether the robotic library mentioned in section 10.1 (hardware list) be used for system backup as well as pre stack seismic data?</p> <p>DGH Clarification: Data to be retained online as far as possible. Robotic system will be used for both backup and near-line data storage.</p>
46	10.2	<p>NDR software shall also facilitate trading of data between operators through DGH</p>	<p>Requesting you to please clarify the process of trading between operators.</p> <p>DGH Clarification: It is a question of assigning and reassigning entitlement to various operators on a particular data which the software shall be able to perform and monitor, with DGH permission and without data duplication.</p>
47		<p>Tracking and delivery of data orders via WWW or direct connect</p>	<p>Please elaborate the meaning of Direct Connect.</p> <p>DGH Clarification: Direct connect means data order made through a leased line between NDR Center and an NDR User.</p>
48	10.3	<p>Basic infrastructure e.g network lay out, UPS supply, AC, furniture etc.</p>	<p>Please clarify all the mentioned Basic infrastructure e.g network lay out, UPS supply, AC, furniture etc. will be provided by DGH?</p> <p>DGH Clarification: UPS supply, AC and furniture will be provided by DGH. Network layout for the NDR Data Center is the responsibility of the Contractor.</p>

49	11.2	All work areas provided to the Contractor's staff will be equipped with UPS outlets	Please clarify all work areas provided to the Contractor's staff will be equipped with UPS outlets & will be provided by DGH?
50			<p>DGH Clarification: The referred UPS outlets will be provided by DGH.</p> <p>Please clarify whether DGH is having the active directory? If yes, can the same will be available for NDR operation use?</p> <p>DGH Clarification: No, DGH is not having active directory.</p>
51			<p>Please clarify whether DGH is open to place order to two different entities for supply and services portion as done in the past.</p> <p>DGH Clarification: No, there will be only one single agreement with the Contractor.</p>
52	10.1	I/O Systems	<p>Please clarify the capacity for DAT and Exabyte tape drive.</p> <p>DGH Clarification: The contractor has to ensure that I/O systems are capable of handling all types of DAT and Exabyte Tapes.</p>

		Query (53-57)	
	Tender Document Section	Reference	Clarification on S3
53	Section 6.2 (Page 24 SOW)	“Contractor shall not be responsible for data preparation services such as transcription from legacy media, scanning, digitizing of logs, or vectorising of seismic sections”.	Legacy Media: Please clarify which media types DGH regard as “legacy media” and “obsolete media”? Which media types would DGH expect to be read by the NDR and which will be transcribed by DGH?
	Section 7.2 (page 32 SOW)	“For tape drive to read old obsolete media that is not available in the market today, refurbished tape drive will be acceptable to DGH. Contractor has to identify such HW in the bid.”	DGH Clarification: The types of input media that the NDR is to be equipped is given in Article 7.2 of S3 (page 32). This is to ensure that current media at DGH will be transcribed. Some of the listed media types are obsolete, for example 3480 tapes and 3.5 inch diskettes. Article 6.2 (Page 24) states that all input data to NDR will be in digital form in one of the input media standard. The logs will be provided in standard digital formats and in soft form. Section 7.2 (page 32) states that tape drive for these input media if currently not available as brand new one (regarded obsolete - for example drives for 3480), the Contractor can provide a refurbished one.
	Section 10.1(page	“New data submissions should be made on the media like 3590, 3592,	

	38 SOW)	LTO, CD, and DVD.DGH will be responsible for supplying readable input media and data. For new data, DGH will ensure that data is provided as per DGH standards (readable).	Section 10.1 (page 38) states the types of media that shall be used for submission of data acquired in future.
54	Section 13.1 (page 36 SOW)	“The NDR centre shall be operational round the clock. There shall be no scheduled downtime as such. Unscheduled downtime shall be limited to 8 hours per calendar month.	<p>Scheduled downtime:</p> <p>Please clarify the position over scheduled downtime? We would expect scheduled downtime to allow system maintenance, patching etc”.</p> <p>DGH clarification: Since unscheduled downtime of 8 hours per month is allowed, activities like system maintenance, patching etc. can be taken in this timeframe. Should additional time is required for system maintenance, patching etc., the same may be planned in consultation with the DGH Representative.</p>
55	Section 12 (page 46 SOW)	“At this current time, DGH is not interested in a “hot” disaster recovery site with HW/SW facilities to be utilized should there be a disaster at the main NDR centre. Downtime that is allowed before the backup can be restored is no more than one working day.”	<p>Business Continuity and Disaster Recovery:</p> <p>Can you please clarify the position regarding DGH’s wishes not to have a “hot” dr site and yet expecting backups to be restored within one working day?</p> <p>It would not be possible to recover from a major problem at the NDR within the timeframe specified.</p> <p>DGH clarification: In case of major disaster, the Contractor is to consult with DGH Representative on an agreeable course of action since DGH is not planning for “hot” site at present.</p>
56	Section 8.6 (page 34 SOW)	“Physical asset management is a task that the Contractor shall perform on all the physical assets prior to loading in NDR. Data registration shall apply to all media containing digital information to be loaded to NDR.”	<p>Data Registration:</p> <p>Please clarify the physical asset management only for digital tape media. Other media such as hardcopy paper, sepia, film, maps, etc. are not included in DGH data registration service for physical asset management.</p> <p>DGH clarification: For point forward, yes, the physical asset management is for digital tape media. For other media such as hardcopy paper, sepia, film, maps, etc. please refer to clarification below.</p> <p>If new data shipment contains hardcopy paper</p>

			<p>documents or reports, are these items required to be barcoded and registered to NDR?</p> <p>DGH clarification: If new data shipment contains hardcopy paper documents, logs or sections, the Contractor is responsible to barcode this information and enter it in the physical asset system but the Contractor is not responsible for digitization. The same can be brought to the notice of DGH representative who in turn will take necessary steps to get such data in digital form.</p> <p>Point forward, DGH's policy is to eliminate the submission of hardcopy materials.</p>
57	Section 7.1.1 (page 30 SOW)	<p>“Seismic field data provided by Operators shall already be in demultiplexed (tracesequential) format. However, Contractor’s software shall be capable of archiving legacy seismic data formats (SEG-A, SEG-B and SEG-C).”</p>	<p>Legacy seismic data format;</p> <p>Does Contractor require to read multiplexed data (SEG-A, SEG-B and SEG-B)? Can these formats to be archived as off-line data?</p> <p>DGH clarification: Yes, the Contractor is required to read all input data for QA/QC purposes and loading to NDR. Legacy seismic data formats (SEG-A, SEG-B and SEG-C) must be loaded to NDR and referenced as on-line, near line or off-line data.</p>

Query (58-67)		
Tender Document Section	Reference	Clarification on S2, S3 & S4
58 S2, pg 8	Screening of Bidders, Criteria Table for Screening of Bidder	<p>In item no. 4, DGH has requested that current version of proposed NDR software employed and operational in at least two NDR's or CDR at present time. Please clarify the minimum duration that such NDR's or CDR's need to have been operational in order to meet this criteria (i.e > 3 years, > 5 years,> 7 years etc)?</p> <p>DGH clarification: The most current version of the proposed NDR software is employed and operational in at least two NDR's or equivalent Corporate Data Repository at present time.</p> <p>As part of the qualification process to validate the technical offering, will DGH require a demonstration in Delhi, of a fully functional NDR system followed by a site visit to an operational NDR anywhere in the world, where technology and services have been provided by the Bidder?</p> <p>DGH clarification: At any point of time, any request by DGH to demonstrate a functional NDR in India or abroad will be at the discretion of DGH which the bidder has to comply with.</p>
59 S4 Page 53 Table 4	Initial Population & Operation phase	<p>Numerous references are made under "Job description" to "correction in formats if any". Please clarify that this format correction requirement is the same as described in item 11(b) – page 42 of tender?</p> <p>DGH clarification: The Contractor has to apply correction in formats, if required, to get through the QA/QC process and loading to NDR of all newly acquired data as mentioned in 10.3.11b, pg 42 of S3 as well as all old data.</p>
60 S3 10.3 Pg 42	11c – Other Data Services	<p>Please confirm whether DGH has the required Software for Log Splicing from raw well logs? If not, Is the bidder required to quote for this software as part of this tender?</p> <p>DGH clarification: Bidder is required to quote for this software as part of this tender.</p> <p>Please provide the volume of raw log to be spliced, in order to properly estimate the resources. If the volume is unknown we kindly</p>

		<p>request that this service be moved under item 10.3.16 page 43 – “other call on Services”.</p> <p>DGH clarification: Splicing of curves of raw logs if required in a well log data set is a part of present scope of work. Normally, depth matching/splicing of about 10 different log curve types of such wells will be required.</p>
61	S3 10.3 Page 43	<p>Data Room Support</p> <p>Subsequent to your previous clarification, please confirm:</p> <p>a) Is the visualization application required to have seismic interpretation features?</p> <p>DGH clarification: No</p> <p>b) DGH already has a number of interpretation applications suitable for data room usages. Is DGH willing to use these licenses for data room with in DGH premises when required?</p> <p>DGH clarification: The requirement of interpretation applications in DGH’s data room is not a part of NDR Centre requirement.</p> <p>c) Alternatively, is DGH willing to take these licenses as and when required under item 10.3.16 page 43 – “other call on Services”.</p> <p>DGH clarification: Not applicable</p>
62	S3 10.3.10 Pg 41	<p>Please clarify that all cost associated with shipping and packing of the data packs will be borne by the NDR participant requesting the data?</p> <p>DGH clarification: The Contractor will deliver the data packs required by the NDR Participants/Users to DGH Representative who in turn is responsible for shipping and packing of the data packs.</p>
63	S3 10.3.10 Pg 41	<p>Data delivery services</p> <p>As part of the Data delivery services provided by the contractor, does DGH require the capability of users to select from the GIS map, an irregular area (“cookie cutting”) for Seismic data pack preparation?</p> <p>DGH clarification: Yes.</p>
64	S3 13.5	<p>Service Level Agreement</p> <p>Line 3 refers to Monthly data load expectations,</p>

	Pg 47		<p>Please clarify what these expectations are?</p> <p>DGH clarification: Monthly data load expectations for all the services can be derived with the help from the Table 2, Pg 28 for the Initial Population Phase and from the Table 4, Pg 29 for the Operation Phase.</p>
65	S3 11.6 Pg 46	Consumables	<p>Whether barcode stickers will be supplied by DGH?</p> <p>DGH Clarifications: The barcode stickers and other stickers/labels to be used for physical media will be supplied by DGH.</p>
66			<p>Will DGH provide unskilled helping hands? If yes, how many?</p> <p>DGH Clarifications: Yes, DGH will provide unskilled helping hands for the NDR Center numbering up to four.</p>
67	S3 10.3	Mail Server	<p>Are mail server and its associated software mandatory?</p> <p>DGH Clarifications: If the proposed NDR solution requires a dedicated mail server to fulfill the requirement of Scope of Work, the supply of the mail server and mail server software are mandatory.</p>

	Query (68-73)	
	Reference	Clarification on S3
68	S3 7.1.1 Pg 30 Clarification #57	<p>Your clarification stated that the Contractor is required to read SEG A, B & C but this data formats are found on 9 Track and older tape media. When these tapes are transcribed to higher formats it is de-Multiplexed to SEG Y. As such please confirm that if any data in these formats will be issued on the media formats (Tape drives as stated in requirement) that you have stated.</p> <p>DGH Clarifications: No 9 track or older tape media not mentioned in Scope of Work need not to be read by the Contractor.</p>
69	S3 10.3 Clarification #48	<p>Is this a requirement to provide details of what is required in terms of the Network layout or the actual design, provision, installation and commissioning of all actual physical CAT 5 Network cables, Junction boxes, cabinets between two 15,000 Square Feet floors of the NDR building and provision of all the data outlet ports at desks and computer room?</p> <p>DGH Clarifications: Network layout for the NDR Data Center is the responsibility of the Contractor.</p> <p>Here for the networking purpose, NDR Data Centre covers all area where supplied HW is being installed, mainly the server room, robotics and areas for all workstations & other HW components supplied.</p> <p>Is it planned to use same cabling and junction boxes at desk for telephone system and who would be supplying this?</p> <p>DGH Clarifications: Please refer to 11.3 Pg 45 for details. Telephone system will be provided by DGH.</p> <p>Is there a need to provide provision of</p>

		<p>infrastructure and cabling to the DGH backbone to rest of building? Please state other than for the requirements of the Vendor teams and computer room how many other ports will be required across the two floors and provide position requirements.</p> <p>If this is to be provided then it hard to understand how this major cabling can be installed in a completed building environment without causing significant disruption to a new installed facility. It is normally expected that that infrastructure work of network cabling is provided as part of the initial build out of the building.</p> <p>DGH Clarifications: Apart from what is mentioned in Scope of Work that is the requirement of Vendor teams and NDR Data Center mentioned above, no other ports will be required to be supplied by the vendor across the two floors.</p>
70	S3 10.3 Hardware- Mail Server Clarification 25	<p>Please confirm that a totally independent email server with 500 named user accounts is required to be installed which will not be part on the existing DGH Email infrastructure. Will DGH be providing the domain for the email address?</p> <p>DGH Clarifications: Yes, DGH will be providing the domain for the email addresses. Please refer to clarification #67 also.</p>
71	Consumables Clarification 29	<p>For the avoidance of doubt please can you expand on the consumable responsibility to supply?</p> <p>It would be our understanding that DGH would be responsible for supplying all consumables that ultimately remain under the ownership of DGH. This would be, but limited to :-</p> <p>All Tape media (floppy disk, 8 MM, 3480, 3490, 3592, LTO4) All disk media (CD,DVD,BluRay etc) Pre Bar Coded Tape labels for output media and long term storage, USB Disk Drives for data unloads to end users USB Flash Disks for data unloads for end users Cleaning materials for printers, plotters and tape drives</p>

		<p>Plotter paper and inks Printer toners Manufacture classified consumables for plotters/printers All physical packaging items for data shipments & storage Presentation packaging and printing for data packs Printer paper labels Printer paper (A4 A3) Barcode labels for barcode printer Stationary items for office work Presentation consumables for documents/reports (Binding machine and associated consumables)</p> <p>DGH Clarifications: Please refer to clarification #65 also. List of consumables includes and limited to:</p> <p>All Tape media (floppy disk, 8 MM, 3480, 3490, 3592, LTO4)</p> <p>All disk media (CD, DVD, BluRay etc)</p> <p>Pre Bar Coded Tape labels for output media and long term storage,</p> <p>USB Disk Drives for data unloads to end users</p> <p>USB Flash Disks for data unloads for end users</p> <p>(Consumables like Cleaning materials for printers, plotters and tape drives to be a part of maintenance.)</p> <p>Plotter paper and inks, Printer toners consumed by NDR users.</p> <p>Manufacture classified consumables for plotters/printers consumed by NDR users</p> <p>All physical packaging items for data shipments & storage (refer clarification #62)</p> <p>Presentation packaging and printing for data packs</p>
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		<p>Printer paper labels consumed by NDR users</p> <p>Printer paper (A4, A3) consumed by NDR users</p> <p>Barcode labels for barcode printer (refer clarification #65)</p> <p>Stationary items for office work consumed by NDR users</p> <p>Presentation consumables for documents/reports (Binding machine and associated consumables) consumed by NDR users</p>	
72	<p>S3 10.3 Pg 35-36</p>	<p>Hardware</p> <p>Tape robotic system</p> <p>Tape Library (Near Line) with 4 LTO-4 tape drives</p> <p>LTO-4 Media enabled</p> <p>Minimum of 250 slots scalable</p>	<p>Please clarify Minimum of 250 slots scalable.</p> <p>Is the minimum requirement to have 250 physical slots or the slot of tape robotic system should be scalable to 250 slots?</p> <p>DGH Clarifications: The minimum requirement is to have 250 physical slots of tape robotic system scalable to a higher number of slots.</p>
73	<p>S3 10.3</p>	<p>Clarification #48</p>	<p>Kindly clarify that network layout for NDR Data centre will include active network hardware & cabling system in the server room or also that the structured cabling system for entire NDR Data Centre building/floors (30000sft). Structured cabling is normally part of the interior finishing where electric wiring, network cabling and telephone cabling is done simultaneously. It also required detail layout of the floor/building to plan structured cabling system. Hence, if it needs to be done by contractor then we need detailed building layout/plan for cost estimation.</p> <p>DGH Clarifications: Contractor is not required to provide structured cabling system for entire building/floors. However, the network and security architecture of the NDR Data Centre are to be designed and implemented by the contractor. Please refer to S3 Art 11.3 Pg 45 and subsequent clarifications # 48 and #69.</p>

