

PREBID QUERIES

Tender: TERMINAL AUTOMATION

Tender No: DAFFPL/MOD/FF/2017-18/21

TECHNICAL QUERIES

Sr.No.	Pg no.	Clause No.	InquiryTender Term	Query	DAFFPL / MMI Reply
1	71 of 395	Scope of work.Clause No. b.1	MOV & ROSOV,CCTV	We understand that only interfacing of following sub-systems(MOV, ROSOV and CCTV) in bidder scope..Supply & Installation of these instruments will be in customer scope.Please confirm our understanding is correct.	Confirmed. Bidder have to arrange all necessary hardware for interface system is in bidder's scope.
2	71 of 395	Scope of work.Clause No. b.1	MOV & ROSOV,CCTV	We request customer to provide a scheme of interfacing I,e through hardwired or through communication. In case of interfacing through Communication, please suggest the communication protocol and type of communication I,e serial, ethernet ,etc.	New MOV shall be communicate thourgh 4 Wired Modbus . And Existing MOV shall be hardwired.
3	72 of 395	Introduction to Facilities.Clause No. d	Push button assembly should be mounted outside the dyke,at a place where its is easily accessible and visible to the operator.	We understand that Pushbuttons for ROSOV and MOV are in customer's scope as ROSOV and MOVs are free issue item for vendor.	Installation of pushbuttons in Bidder's scope with futher termination and communication.
4	72 of 395	Introduction to Facilities.Clause No. e	Push buttons on other existing MOV's also should be brought just outside the dyke. The cables leading to the control room should be Fire Safe.	We request customer to clarify the scope. We undertsand that we need to lay cable and terminate it to existing MOV Pushbutton.	Installation/shifting of pushbuttons in Bidder's scope with futher termination and communication.
5	72 of 395	Introduction to Facilities.Clause No. h	These indicators shall be connected to the communication interface unit in multi-drop mode and in turn connected to the tank farm management system. The tanks are also provided with high level switches which are used for alarm & tripping.	We request you to kindly confirm how many Tanks' Radar gauges are to be multidrop.	As per Supplier standard details.
6	72 of 395	Introduction to Facilities.Clause No. i	The hydrant pumps are partially provided with VFDs. The VFD shall be controlled by the control system.	1>We understand that supply of VFD is not in scope of vendor. 2> In case of VFD is in Customer scope, we would like to know how VFD will be interfaced with Control system through Hard wired OR through Communication. 3> In case of communication, please share the protocol details, Register address etc to interface with control system. 4> For Interfacing with VFD, if any hardware &/ or software required in VFD side then it will be in a scope of Customer/VFD vendor. If any VFD system Manpower services required for VFD interfacing then it will be arranged by the customer.	1. Confirmed. 2. It will operate trough modbus .However emergency stop shall be there incase for emergency. 3. Existing VFDs have provision of Modbus communication. 4. Communication to Control system in bidders scope and responsibility.
7	72 of 395	Introduction to Facilities.Clause No. f	MOV control system shall comprise of smart Electro-Hydraulic and Motor Operated Actuators, two wire communication bus All the Motors of actuators Operated Valves shall be connected in a two wire loop originating and returning, which shall be created in the main PLC system. All the actuators shall communicate to PLC system over MOD bus protocol.	We understand that MOV will not be in scope of bidder.Please confirm our understanding is correct.	Confirmed.
8	89 of 395	Safety PLC.clause no. 2.8.1	Design, Supply and Installation for a Triple Module Redundant (TMR) Safety Instrumented System for Automatic Overfill Prevention for Tanks, Emergency Shutdown and Fire & Gas requirements of the facility.	We request Customer to accept the QMR , VMR, DMR Configuration for Safety PLC.	It shall be TMR with SIL3
9	89 of 395	Scope of work.Clause No. 2.8.2	Supply, Installation, Cable laying, Field Testing	In earlier Para , it mentioned that Cable laying, JB supply etc. excludes from the scope where as in this Para it is included. Please clarify the scope.	It shall in bidder's scope.

10	89 of 395	Scope of work.Clause No. 2.8.2	Emergency shutdown sub-system [based on SIL2 (or better) certified	In earlier Para, requirement is TMR and in this clause requirement is SIL2? Please clarify whether SIL2 PLC required or SIL3 PLC requires?	It shall be TMR with SIL3
11	78 of 395	Operator Interface Consoles.Clause No. a	Dedicated industrial Grade 26" size colour LCD screens unless otherwise specified, keyboard and printer.	In Price schedule of Supply, Size of OIC is mentioned 21" and in technical specification 26".So both the statement is contradictory.Please clarify the requirement and provide detailed specification.	Bidder can go with 21"Screen.
12	122 of 395	Video Display unit- TFMS & EWS	Screen size - 24" LCD monitor with TFT screen	In Price schedule of Supply LCD Size is mentioned 21" and in technical specification 24".So both the statement is contradictory.Please clarify the requirement and provide the detail specification.	Bidder can go with 21"Screen.
13	92 of 395	General.Clause No. 12	Separate programming terminal (laptop) shall be provided.	Laptop not mentioned in Price bid.We understand that we need to follow only price schedule. Hence we will not considered Laptop for PLC programming.	We have not required Laptop , EWS shall be consider.
14	89 of 395	Specification of safety PLC	Specification of safety PLC	We request M/s Daffpl to clarify the type of safety PLC requirement, Whether the requirement is for SIL 2 or SIL3 .	It shall be TMR with SIL3
15	226 of 395	Laser Printer	Print speed (black, normal quality, A4) -upto 17ppm	In Price schedule of Supply, Size of Printer is mentioned A3 and in technical specification A4.So both the statement is contradictory.Please clarify the requirement.	A3 Color Printer . It shall as per latest configuration.
16	227 of 395	DOT MATRIX Printer	9 pin.,Printer speed-1550 cps	In Price schedule of Supply,24 Pin(300cps) Printer is mentioned and in technical specification 9 Pin(1550cps).So both the statement is contradictory.Please clarify the requirement.	24 Pin printer
17	290 of 395	Input-Output Count Summary	Input-Output Count Summary	We understand that I/O counts for Safety PLC as well as Process PLC provided is final & as per scope drafted in specs document. We need to follow and quote as per given IO counts only.	Noted.
18	274 of 395	Architecture	Terminal Manager ROOM-OWS 3	We understand that OSW 3 is in Customer scope and interfacing is in bidder scope.Please confirm our understanding is correct.	Confirmed with required communication cable in bidders scope.
19	275 of 395	Architecture	MCC Room-VFD	We understand that VFD is in Customer scope and interfacing is in bidder scope.Please confirm our understanding is correct.	Confirmed.
20	276 of 395	Architecture	Laser and Dot Matrix Printer	We understand that we need to follow only price schedule for the QTY of instruments.Please confirm	Bidder have to Follow tender documents & BOQ
21	277 of 395	Architecture	EWS and GPS clock	What is the need of EWS and GPS clock?EWS is also not mentioned in Price bid.Please clarify the requirement.	EWS is required. Bidder shall consider in supply.
22	186 of 395	Approved Vendor List	Approved Vendor List	We request M/s Daffpl to provide approved vendor for Emergency Push button,Hooter,Hart calibrator..	1. Push Button - TEKNIC, L&T, Seimens & Schnider 2. Hooter - TEKNIC, BALIGA, FCG & KHERAJ 3. Hart Calibrator - Emerson & Honeywell 4. Proximity Housing - Rotex, Pneucan, Dell Valve & Micro Pneumatics
23	188 of 395	Approved Vendor List	Cable	We request M/s Daffpl to include Cords Cable Industries Limited cables also in Approved Vendor list.	Ok . Noted.
24	191 of 395	Approved Vendor List	Glands	We request M/s Daffpl to include Baliga and Ex-protecta and also in Approved Vendor list.	Ok . Noted.
25	187 of 395	Approved Vendor List	Junction box	We request M/s Daffpl to include Ex-protecta also in Approved Vendor list.	Ok . Noted.
26	386 of 395	Price bid	Data Sheet for Hart Calibrator,Hooter	We request M/s Daffp to provide the detail specification for Hart Calibrator,Hooter	Noted and attached

27	386 of 395	Price bid	Proximity with Exd flame proof housing	We request M/s Daffpl to clarify the requirement and Provide the Specification and Approved vendor list for the same.	1. Push Button - TEKNIC, L&T, Seimens & Schnider 2. Hooter - TEKNIC, BALIGA, FCG & KHERAJ 3. Hart Calibrator - Emerson & Honeywell 4. Proximity Housing - Rotex, Pneucan, Dell Valve & Micro Pneumatics
28	389 of 395	Price bid	TFMS ,MOV System software licenses along with OPC server licenses with required accessories to communicate any vendor system for proposed control system	Please clarify the Requirement is for redundant TFMS or not.	It shall be redundant.
29	390 of 395	Price bid	UPS with power distribution Panel	Please confirm the QTY with KVA capacity requirement	Vendor shall submit same.
30	386 of 395	Price bid	Flow Transmitter-Mass Type	Please confirm the QTY.	Rate Only Item. Termination & Interface of existing Mass Flow Meters are in the scope of Bidder.
31	389 of 395	Price bid	Fire Alarm panel	We undersand that Fire alarm system is in a scope of Customer. Please confirm.	Confirmed
32	389 of 395	Price bid	Fire Alarm panel	We request M/s Daffpl to provide make and model of Fire alarm system.	DAFFPL will provide detils after award of contract
33	389 of 395	Price bid	Fire Alarm panel	We request M/s Daffpl to clarify the scope of interfacing with Fire Alarm System.	Communication between existings fire alarm and proposed control system in bidder scope for alarming and monitoring purpose.
34	389 of 395	Price bid	Instrument Accessories-Nipple(THXTH) and operator chair	Please confirm the QTY for both	Pls. refer BOQ
35	387 of 395	Price bid	Communication cables for package items (HT panels, VFD etc.)	We request M/s Daffpl to clarify the scope of interfacing of various packages mentioned in Price bid.	Please refer Tender Document Specifications & BOQ
36	387 of 395	Price bid	Communication cables for package items (HT panels, VFD etc.)	We assume that all the packages mentioned shall be interface with either Process PLC or directly with Server. Please confirm.	Please refer Tender Document Specifications
37	387 of 395	Price bid	Communication cables for package items (HT panels, VFD etc.)	We request M/s Daffpl to provide distance between each package panel with control room.	Bidder have site visit for fetching required details. DAFFPL Team with assit you for further requirement.
38	387 of 395	Price bid	Communication cables for package items (HT panels, VFD etc.)	We understand that all third pary packages mentioned shall be working on open protocol.Protocol details shall be provided by M/S Daffpl. Please confirm,	Bidder have site visit for fetching required details. DAFFPL Team with assit you for further requirement.
39		General	Interfacing	We understand that all free issue items &/or existing instrument/equipments are working in healthy condition at the time of commissioning.	Noted.
40		General	Interfacing	Any hardware &/ or software required in free issue as well as existing system to be interface with newly supplied system shall be in a scope customer.	It is in the scope of Bidder
41		General	Interfacing	Warranty and /or AMC of free issue items as well as existing items shall be in a scope of customer.	Noted.
42		General	Interfacing	Any Manpower services required in free issue as well as existing system to be interface with newly supplied system shall be in a scope customer.	Interfacing with existings system as well freeissued item with new proposed control system is in bidders scope and responsibility.
43		General	Free issue/existing items	We request M/s Daffpl to provide list of free issue item with make and model. (ROSOV, MOV, CCTV etc.)	Will share with success full bidder. Also, bidder can check at time of site visit.
44	214 of 395	AMC	Spares	We request M/s Daffpl to provide list of spares needs to be maintained during AMC period.	Bidder have to suggest spare philosophy as per their system requirement.
45		General	Mandatory Spares-List of Spares	We request M/s Daffpl to clarify the scope of Mandatory spares to be supply and maitain at site.	Bidder have to menatian mandatory spare for complete site exuction to match given project schedule time line.
46	139 of 395		Data Sheet for Mass flow Meter	As per the flow rate given over size meter is getting sizes (4" or 6") were as the line size mentioned in specification is 3" .We request you to check specified process parameters and confirm.	Rate Only to be provided by Bidder for supply of Mass Flow Meter. However required wiring, termination and interfacing of existing Mass flow meter is in bidders scope. Line size is 8".

47	139 of 395		Data Sheet for Mass flow Meter	Please confirm the acceptable pressure drop across the meter	Rate Only to be provided by Bidder for supply of Mass Flow Meter. However required wiring, termination and intercaing of existing Mass flow meter is in bidders scope. Allowable Pressure Drop is 0.5 Kg/Cm2 @ Max Flow.
48	71 of 395	2.1, b, i	Major scope <ul style="list-style-type: none"> ▫ PLC / SCADA System ▫ Tank Farm Management System ▫ MOV & ROSOV interface System ▫ Emergency Shut Down System ▫ CCTV System ▫ Field Instrumentation & Communication, Control & Power cables ▫ Hard ware & Software, Interface sub system with PLC, SCADA ▫ Suitable Redundant UPS for above system. 	We do not see any specifications for CCTV and also there are no CCTV items in BOM, we request DAFFL to clarify the scope of supply and Integration.	Its only integration with Existing CCTV System
49	72 of 395	2.2, c	ROSOV should be Fail Safe and Fire Safe. It should have only "Close" operation from Control Room. However, it should have "Close" and "Open" operation from the panel located outside the dyke.	Please clarify the supply scope for LPBS of existing ROSOVs and MOVs.	LPBS free issue item however installation/shifting with required cable termination shall in bidder's scope.
50	72 of 395	2.2, d	Push buttons on other existing MOV's also should be brought just outside the dyke. The cables leading to the control room should be Fire Safe.	There is no line item for FS cable in RFQ BOM. We request to clarify scope of FS cable supply and quantities.	Bidder has to consider FRLS cable same already mentioned in .BOQ
51	87 of 395	2.7.9.1	I/O of programmable logic controller shall have 20% usable spare. This shall include any hardware like Cabinet, Rack, Terminals, wiring etc. that would be necessary to install additional modules. If Input is from intrinsically safe field instrument than intrinsically safe barriers shall be provided for analog input modules. Only Active Barriers shall be employed for achieving galvanic isolation, wherever applicable.	We envisage that PLC rack shall have 20% spare space for module for future expansion this does not include installed hardware line TBs, Wiring, Barriers, relays etc. Please provide IS and Non-IS signal segregation.	There is no any IS signal. 20% spare in I/os modules shall required and 20% space in panel for future expansion need to cosndiered.
52	88 of 395	2.7.9.4	Usable spare space in panels and cabinets to install 50% spare hardwired items like barriers, trip amplifiers, receiver switches, panel mounted instrument, relays etc. in future.	As specifications call for 20% wired spares , hence as standard practice we propose to have 20% spare space in cabinet for future expansion.	Noted.
53	95 of 395	2.8.5.6 & 2.8.6.b	IO channel Density	At page no. 95 of 395, clause no. 2.8.5.6, IO cards chanel density is mentioned as DI & DO - 32 chanel & AI & AO - 16 chanel. Whereas At page no. 96 of 395, clause no. 2.8.6.b, IO cards chanel density is mentioned as 16 channels DI, 16 channels DO, 8 channels AI, 8 channels AO, 4 channel pulse input.	DI & DO - 32 chanel & AI & AO - 16 chanel.
54	118 of 395	3.4.2	PT specs for ATF tanks calls for - 2 wire , Electronic (Smart) with Foundation field busProtocol	As per Our standard Radar gauge configuration , the gauges accept 4-20mA signal from PT for density measurement , hence FF based PT are not required.	Bidder have to offer their product and technology. DAFFPL will finalize based on technical details.
55	120 of 395	3.4.4	Data Sheet for Averaging Temperature Sensor - 1. No. of sensing points - Throughout the tank with minimum 1 meter interval 2. Output - 4-20mA foundation Field bus compatible digital signal	As per Our standard Radar gauge configuration , the gauges accept 4-20mA signal from Averaging Temperature Sensor for density measurement , hence FF based PT are not required. We prpose to provide 9 Nos sensing elements for Average Temperature sensor.	Bidder have to offer their product and technology. DAFFPL will finalize based on technical details.
56	140 of 395	5.8	Accuracy of Mass flow meter 0.05% of total flow	We envisage that the accuracy is for Mass.	Yes
57			Mass flow meter scope	As the supply of Mass flow meter is on Unit rate basis , please clarify scope of site calibration and W&M stamping.	If we procure then Calibration and W&M stamping will be in Bidders scope.

58	231 of 395	21.3.6	Back-up time shall 30 min (there should be two battery bank for 1 hour each).	We request to clarify the backup time requirement as the given backup time is ambiguous ie 30 mins calling for battery bank of 1 hour each.	Back Up Time shall 1 hour (there should be two battery bank for 30 min.each)
59	91 of 395	2.8.4	Safety Instrument System	Honeywll is OEM of Safety PLC and offer QMR configuration having 4-2-0 degradation scheme. This has been supplied in all the marketing and refinery terminal in IOCL, HPCL, BPCL etc. Request you to kindly accept this alternate to TMR configuration having 4-2-0 degradation.	It shall be TMR with SIL3
60			General	Any hot work required or necessary tapping for installation if Field instruments shall be provided by DAFFL.	It shall bidder's scope and responsibilities.
61			Installation Scope	Please clarify scope of Instllation of supply material and cables.	installation scope and supply item shall be as per tender document .
62	152 of 395	8.4.2 point no. (e)	"Contractor" shall submit 1 copy of price list of spare parts required for commissioning and also 2 years trouble free operation along with price bid.	Please clarify if spare list with prices required along with tender document need to be submitted. If yes please confirm the quantity of spares to be considered	Bidder's have to submit /provide for required spare for trouble free future opeation.
63	159-160 of 395	9.8 and 9.9	tender ask a quote for HC and H2 sensor (1 sensor having with both feature)	There shall be different sensors for Hydrocarbon and H2 measurement. Please clarify which sensor is required	Bidder have to consider Hydro Carbon gas detecor
64	164 of 395	10.1.3 point no. (d)	The servo ATG shall be suitable for installation through a 4-inch or bigger inch nozzle or still pipe.	Nozzle shall be min 6-inch / 8-inch shall be preferable for better performance	Bidder have to submit their product which are suitable for requirment.
65	164 of 395	10.1.3 point no. (f)	The Servo ATG must be easy to handle by one person and have a weight equal or less than 26 kg (57 lb) (in order to avoid the need of extra equipment for placement/handling).	Weight shall be minimum 28 Kg	It shall not more than 30 Kg.
66	164 of 395	10.1.3 point no. (g)	g) The Servo must have at least a measuring range of 0 to 27 meters (0 to 88 ft) & optionally up to 37 meters (121 ft). The servo must be able to operate in Cavern applications of up to 220 meter depth with measuring range up to 37 meter.	please cross verify the depth of cavern application as the tank depth given is only 20 mtr	Caven application is not applicable here bidder have to go with only given tank height details.
67	164 of 395	10.1.3 point no. (p)	p) The vendor shall provide calculations proving MTBF figures based on installed operational units in the field. The servo ATG MTBF shall at least be 20 years.	MTBF(mean time between failure) can not be guaranteed for 20 years for any instruments.	Details mentioned are our requiriement, However bidder have to submit their product details for prior approval.
68	165 of 395	10.1.3 point no. (u)	u) Accuracy of Servo ATG should be +/- 0.4 mm at ref conditions.	+/- 1 mm as mentioned in data sheet in sub-heading 10.2	It shall 0.4 mm
69	166 of 395	10.2 point no. 17	Process connection : Existing Vendor to visit at site	Please confirm the process connection	Tanks are exisiting bidder have to visit site for better understanding and required information.
70	166 of 395	10.2 point no. 34	Cable Entries : Atleast 4 No's Reqd	Cable entries should be atleast 3 No's instead of 4 no's	Accepted.
71	167 of 395	Notes point no. 1	Perforated still pipe shall be provided as per instrument requirement for installation of the gauge.	It should be minimum 6 inch. Please clarify the existing perforated still pipe	As tanks are exisiting bidder have to visit site for getting required details .
72			Technical Specification of ROSOV & Hart Communicator is not available.	Please Provide Technical Speification of ROSOV and Hart Communicator	Attached as Specifications
73	195 of 395	Technical specifications, Point No.- 14.15	Cable Tray	Which type of resin is used for FRP type cable tray	VINYLESTER min or better
74	19 of 395	Chapter No.-3, Bid Qualification Criteria, Point No.-1	The Bidder Should have his own TAS Software.	Please Clarify the meaning of TAS Software.	Terminal Automation System
75	Page 238 of 395	Approved Vendor for Level Switch		Request to accept M/s. Pune Techtrol & M/s. Switzer as approved vendor for Level Switch	Confirm.
76	Page 239 of 395	Approved Vendor for MOV Actuator		Request to accept M/s. Auma as approved vendor for MOV Actuator.	MOV is free issue item.
77	Page 240 of 395	Approved Vendor for Cables		Request to accept M/s. CORDS, M/s. Rashi Cables, M/s. ICON and M/s. Suyog as approved vendor for cables.	Its shall as per tender document.
78	Page 241 of 395	Approved Vendor for Cable Tray (GI)		Request to accept M/s. MM Engineering and M/s. Rukmani Electrical as approved makes for GI Cable Trays.	Cable tray is FRP.

79	Page 242 of 395	Approved Vendor for Barrier Gate		Request to accept M/s. Heidz India make Barrier Gates.	Barrier Gate is not Scope of project.
80	Page 242 of 395	Approved Vendor for Gas Detector		Request to accept M/s. Emerson Make Gas Detector.	Ok . Noted.
81	Page 242 of 395	Approved Vendor for Batch Controller		Request to accept M/s. Emerson Make (Danload 8000) Batch Controller.	BC is not scope of project.
82	Page 242 of 395	Approved Vendor for Fiber Optic		Request to accept M/s. Finolex make Fiber Optic Cable..	Ok . Noted.
83	Page 243 of 395	Approved Vendor for Ethernet Switch		Request to accept M/s. CISCO & M/s. D-Link make Ethernet Switch.	Cisco is accepted. Siemens Ethernet switch not accepted.
84	Page 243 of 395	Approved Vendor for Flame Detector IR Type		Request to accept M/s. Emerson Make Flame Detector (IR Type).	Ok . Noted.
85	Page 243 of 395	Approved Vendor for Glands		Request to accept M/s. Baliga, M/s. FCG, M/s. Ex-Protecta & M/s. Sudhir as approved vendors for Cable Glands.	Ok . Noted.
86	Page 244 of 395	Approved Vendor for Thermal Relief Valve		Request to accept M/s. Emerson Make Thermal Relief Valve.	Its shall as per tender document.
87	Page 244 of 395	Approved Vendor for Valves		Request to accept M/s. Emerson Make for Valves.	Its shall as per tender document.
88	Page 386 of 395	Price Bid		We understand that we have to supply as per the items listed in Price bid Schedule only. Please confirm.	Bidder have to follow as per tender document. Quantities mentioned in BOQ are estimated and they may vary at any extent. Billing will be done on actual basis.
89	Page 386 of 395	Price Bid		In case of any discrepancy in Price bid items & / or Qty. then the tender requirement or P&IDs the quantity mentioned in price bid will prevail. Please confirm.	Bidder have to follow as per tender document. Quantities mentioned in BOQ are estimated and they may vary at any extent. Billing will be done on actual basis.
90	Page 241 of 395	Approved Vendor for Cable Tray		Request M/s DAFFPL to provide approved vendors for FRP type cable tray	1. EPP 2. KEMROCK 3. INDIANA 4. AERON 5. Sumip 6. Ercon 7. Satyam
91	Page 241 of 395	Approved Vendor for Servo type LT		Request M/s DAFFPL to provide approved vendors for Servo type LT.	HONEYWELL - ENRAF ENDRESS + HAUSER TOKYO KEISO SBEM
92				Request M/s DAFFPL to provide details of existing TAS system for further interface	For better understanding bidder have to visit site. DAFFPL Team will assist bidder for the same. As of now no TAS is available. Only SABB Tank Farm Management System is available.
93				Request M/s DAFFPL to provide details of existing fire alarm system, CCTV, Access control system, PAGA sytsem, Barrier gate details, Cathodic protection details for further interface	Bidder have to visit site for better understanding , DAFFPL Team will assist bidder for the same.
94				Request M/s DAFFPL to provide details of existing MCC details, VFD panel details, MCS details, ESD PB details, fire water pump house panel details etc. for further interface	Bidder have to visit site for better understanding , DAFFPL Team will assist bidder for the same.
95				Request M/s DAFFPL to provide Spare philosophy for field instruments for 2 years operational spares.	Bidder have to suggest spare philosophy as per their system requirement DAFFPL Team give confirmation on the same.

96				Request M/s DAFFPL to provide specification for Cable glands. We found both Brass-Ni plated & SS304 gland requirement in tender.	it shall SS
97	Page 243 of 395	Approved Vendor for Cable Gland		Request M/s. DAFFPL to accept M/s. Baliga, M/s Ex-protecta etc. Make for Cable Glands.	Noted
98		Approved Vendor for Cable Gland		Wherever we have to use existng instruments like PT's, FT's, Gas Detectors etc for those can we use existing Signal or control cables. Request M/s DAFFPL to confirm.	If existing cables are in good condition then the same can be used or else new calbiling to be done by bidder. DAFFPL decision in this regard will be final.
99	Page 195 & 388 of 395	Specs for Cable tray & price schedule of supply.		In Specification thickness of cable tray mentioned as 4mm for 50mm width tray & 6mm for 300mm width & above trays. In bill of material it is mentioned as 3mm. Please confirm about thickness.	3 mm is accepted
100	Page 195 & 388 of 395	Specs for Cable tray & price schedule of supply.		As per specs Standard length of cable tray shall be of 2 mtr (point no h) & 2.5 mtr 9point no s). We recommend to have std lentgj of 3 mtr. Please confirm.	Confirmed
101	Page 195 & 388 of 395	Specs for Cable tray & price schedule of supply.		As per specs the inside depth (height) of the cable trays is not matching with height of trays mentioned in Bill of material. Please confirm.	Bidder shall follow heights mentioned in BOQ
102	Page 183 of 395	Specs for magnetic Level switch for UG-215		Request M/s DAFFPL to provide tank/pit information Tank Height, Operating Temperature, Operating Pressure, Tank MOC & Specific Gravity.	Bidder have to refer Point No.3.4.1
103	Page 231 of 395	Specs for UPS		Cl. No. 21.3.4 : Whether Bypass Transformer is required with Servo Control Voltage Stabilizer SCVS OR Static type SSVS. Please confirm?	Its shall Servo type
104	Page 231 of 395	Specs for UPS		Cl. No. 21.3.6 : Please confirm Type SMF VRLA Battery required is 2V VRLA or 12V SMF.	Bidder have to refer Point no.21.3.6
105	Page 231 & 233 of 395	Specs for UPS		Cl. No. 21.3.6 : Back-up time shall 30 min (there should be two battery bank for 1 hour each). As per datasheet-SUITABLE FOR TIME SHALL 30Min. (THERE SHPULD BE TWO BATTERY BANK FOR 30 Min EACH). Please confirm Battery backup time?	Back Up Time shall 1 hour (there should be two battery bank for 30 min.each)
106		Specs for UPS		Whether Input Isolation Transformer is required? Please confirm	Not required.
107	Page 233 of 395	Specs for UPS		Cl. No.21.5 - 4a : Whether UPS O/P Voltage required is 415V, 3ph OR 230V, 1ph? Please confirm	Bidder to suggest
108		Specs for UPS		We request M/s DAFFPL to provide ACDB Type with details of Incomer & Outgoing Feeder details & UPS to Battery & UPS to ACDB Cable distance.	Bidder have to visit site for better understanding , DAFFPL Team will assist bidder for the same.
109		Specs for UPS		Request M/s DAFFPL to provide actual UPS kVA requirement	Bidder have to submit UPS Loading calculation .
110	General	Pump Automation		Request M/s. DAFFPL to confirm whether Pump Automation will be hard wired or via VFD communication?	Bidder have to refere I_O list for the same.
111	Cables	Cables		Request M/s. DAFFPL to confirm the requirement of Fire Safe cables. Please note that as per Price schedule BOQ all cables are FRLS Type.	Bidder have to consider FRLS cable.
112	General	Scope of Work for Gantry Truck Loading		We understand that gantry along with necessary loading inqipment and unloading equipment along with Batch Controller, loading arm are already available at site. The same is not in this tender scope. Please confirm.	Equipment realted with gantry not in bidder's scope.
113	General	Mass Flow Meter data		Request M/s. DAFFPL to provide detailed process data for Mass Flow Meter	Please refer technical specifications

114	Page 171 of 395	Specs for Cables		Specification asks Insulation as Extruded PVC type C for all types of cables, whereas bill of material Signal cables are with PE insulation & PE bedded. Please confirm requirement of insulation.	Bidder have to follow Tender document.
115	Page 140 & 386 of 395	Specs for Mass Flow meter		As per note in specs, Transmitter with Tag no. FT-501 is already procured by client. We assume that we have to provide only installation & commissioning support for the same. What does U.R. means in Qty column Bill of material.	Mass flow meter not in bidder scope. Cable termination is in bidder's scope. U.R Means Unit Rate
116	Page 159 to 161 of 395	Specs for Hydro carbon Gas Detector		Specs ask for HC & H2 detector both. Datasheet asks only for HC detector.(GD-VF-201 & GD-401). Request M/s DAFFPL to confirm about requirement of detector.	it shall HC Type.
117	Page 161 of 395	Specs for Hydro carbon Gas Detector		As per datasheet, Accuracy, Repeatability & Linearity is $\pm 3\%$ / F.S, we request M/s DAFFPL to accept Accuracy, Repeatability & Linearity as per below; $\pm 3\%$ for 0-50% LEL & $\pm 5\%$ for 50-100% LEL	Bidder have to follow Tender document.
118	Page 76 of 395	2.5.1 System Architecture		As per RFQ, Redundant Server Based System for SCADA is requested. The offered Emerson system works on workstation based architecture and not on client server architecture. Hence	Bidder have to follow Tender document.
119	Page 78 of 395	2.5.4 Operator Interface Consoles		As per RFQ Industrial grade screens are required. The offered screens are commercial grade monitors, please confirm.	Bidder have to follow Tender document.
120	Page 93 of 395	2.8.4 General		As per RFQ, 7. Each processor shall be capable of scanning and updating the I/O and executing user defined logic at 200msec or less. We understand that the SAFETY PLC scan time of 200ms is acceptable by customer. Please confirm.	Here min. requirement 200 msec and less. Bidder have to offered best model which comply requirement .
121	Page 95 of 395	2.8.5.6 Input Modules		As per RFQ, > Each individual input signal path on the input module shall be automatically tested for proper operation at least every 10 minutes. > Analog input signals shall have a minimum of 150 VDC input over range protection. Please clarify the requirement.	It shall channle over voltage protection.
122	Page 96 of 395	2.8.6 Input / Output Sub-System:		As per RFQ, The I/O modules shall be mounted in the I/O racks located in the control room. I/O module shall be 16 channels DI, 16 channels DO, 8 channels AI, 8 channels AO, 4 channel pulse input. Our standard offering for SIS module is having 16 no. of channels. Please accept our proposition.	Its shall as per Tender document However bidder have to offer their best model as per requirement. DAFFPL Will give final approval on same.
123	Page 97 of 395	2.8.6 Input / Output Sub-System:		Input type shall be intrinsically safe with barriers for Analog modules and explosion proof type for Digital modules. Need to discuss and understand the requirement.	Barrier is not required for this project.

124	Page 100 of 395	2.8.15 System Software		j) The following industry specific functions shall be provided as standard and without licensing fees: • Natural Gas Metering functions for AGA3, AGA5, AGA7, AGA8 (Gross I & II), AGA8 (Detailed), AGA9, AGA10, ISO1567 and NX-19 • Hydrocarbon liquids metering tables 5A, 5B, 6A, 6B, 23A, 23B, 24A, 24B, 53A, 53B, 54A, 54B, 59A, 59B, 60A, 60B, F1 and F1M according to the Manual of Petroleum Measurement Standards. AS per RFQ, If All digital out signal shall be through 02 NO/NC contacts 24V DC interposing relay. We understand the relays are of Non SIL type, Please confirm your understanding.	This are some standard system modules of control system related with application.
125	Page 101 of 395	2.8.17 System Cabinets			For SIL Operated I_Os relay are SIL Type. For normal process operation Non SIL Type.
126		Specification of Servo Gauge Level Transmitter	The Servo must have at least a measuring range of 0 to 27 meters (0 to 88 ft) & optionally up to 37 meters (121 ft). The servo must be able to operate in Cavern applications of up to 220 meter depth with measuring range up to 37 meter.	1. In Tech description the application is mentioned Cavern and in data sheet its ATF. Please clarify the requirement. 2. In datasheet Measure range mentioned 20 meter. Whether we need to quote as per description or data sheet. Please confirm 3. We recommend nozzle size of 8" for servo gauge. Please confirm your acceptance for the same.	Its shall be use for Tank up to height of 27 Mtr. Cavern application is applicable here. Nozzle size mentioned here is min. 4". Bidder have to quote their offer size.
127		Datasheet of Hydro carbon Gas detector	1. Response Time-7 to10 Sec. 2. Enclosure certification-Ex d IIC T6 IP65 3. Material of Construction-SS 4. Temperature (°C)-20 to 65°C	one of the approved vendor providing as per below OEM standard. we request you to accept the same.:- 1. Response Time-<30 sec 2. Enclosure certification-Zone-1& 2, IIA & B ,T5 3. Material Construction:-Aluminium 4. Temperature (°C)-20 to 50°C	Bidder have to submit their offer model.
128		Datashet of Level Switch-Vibrating Fork Type & Magnetic Type		We request M/s Daffpl to provide probe length & flange size for Vibrating Fork Type & Magnetic Type level switch.	Tanks are existing bidder have to visit site to gather required details. DAFFPL team assist for the same.
129		Sprecification for UPS	Overload condition:- Both modules are capable to continuously supply 100% of their nominal rating which equals to 200% overall power requirements.	Both Systems are rated for 100%, however overload shall be 110% for 60 Min, 125% for 10 Min, 150% for 1 Min. Please confirm your acceptance	Pls. check point no.21.3.3
130		Sprecification for UPS	All fuses shall be provided with a blown fuse indicator with an alarm indicator on the control panel.	Fuse Protection provided, however fuse blown indicator not available. Please confirm your acceptance	Bidder have to submit their offer model. DAFFPL team will give approval on the same.
131		Sprecification for UPS-Battery	Back-up time shall 30 min (there should be two battery bank for 1 hour each).	Please confirm backup requirement , 2 Battery bank of 30 min each considered as per datasheet of UPS. Please confirm.	Back Up Time shall 1 hour (there should be two battery bank for 30 min. each)
132		Sprecification for UPS	For SMF-VRLA batteries, temperature compensation of the battery charging voltage shall be provided for the rectifier, with an accuracy of ± 1 %.	Temperature compensation feature not envisaged for SMF-VRLA batteries. Please confirm your acceptance	Bidder have to submit their offer model. DAFFPL team will give approval on the same.
133		Sprecification for UPS	The UPS Module shall have a Battery Circuit Breaker (MCB). This circuit breaker is to be mounted in the battery cabinet. When open, there shall be no battery voltage present in the UPS module cabinet. The UPS module shall be automatically disconnected when the battery reaches the minimum discharge voltage level or when signaled by other	Separate Wall Mounted Battery Isolation Box shall be provided. Please confirm your acceptance	it shall as per Submitted tender document.
134		Datasheet of UPS.	MCB :- Hager / Siemens	We request M/s Daffpl to accept the MCB of Schneider/ABB/GE/L&T	Schneider is accepted , rest are as per tender document.
135		Datasheet of UPS.	Type of battery.- DRY TYPE, SEALED, MAINTAINENCE FREE.	Battery shall be 12V SMF VRLA. please confirm your acceptance	Pls. refer Point No.21.3.6
136		Specification of Process PLC	All sub-systems of the system shall be able to operate satisfactorily from 15° C to 45° C and 20% to 100% non-condensing humidity.	our system operates between 0-55 degree celsius & having 5 to 95% non-condensing humidity. please confirm your acceptance	Noted

137		Specification of Process PLC	Isolation shall be provided for all field signals and between workstations and related subsystems.	The offered modules are having group isolation.We request M/s Daffpl to accept the same.	it shall as per Submitted tender document.
138		Specification of Process PLC	If Input is from intrinsically safe field instrument than intrinsically safe barriers shall be provided for analog input modules. Only Active Barriers shall be employed for achieving galvanic isolation, wherever applicable.	Please clarify that intrinsically barriers for individual channel required or not.our PLC have group to group isolation.please confirm your acceptance.	There is no requirement of barriers
139		Specification of Process PLC	The configuration language shall feature the choice of ladder,functional logice block ,sequential function chart or structure text programming and shall comply with IEC 61131	One of the approved vendor system doesn't support functional logic block.We request M/s Daffpl to accept tthe same.	Bidder have to submit their offer model. DAFFPL team will give approval on the same.
140	386	1.15		Kindly provided make of installed ROSOV and DBBV for considereing FCU	DAFFPL shall provide details.
141	386	1.18		Mentioned scope of supply is for Electro Hydaulic Actuator For Remote Operated ROSOV Valve PUSH Button . However, in comments it is mentioned that it will be free issued. We have assumed, requirement is only for Push button and not for Actuator. Please Confirm.	ROSOV Is free issued item , Shifting/Installation of MOV Push Button Station and other cable termination is in bidder's scope and responsibility.
142	388	3		Kindly provide approved vendor List for FRP cable tray	1. EPP 2. KEMROCK 3. INDIANA 4. AERON
143	388	3		There is ambiguity in cable tray thickness. In specification 4mm is mentioned and in BOM 3mm is mentioned. Kindly confirm the requirement.	Min. 3 mm is accepted.
144	388	5.2		Requirement is for TMR Safety System. As OEM deviation, we can not offer TMR safety PLC. We will offer QMR Safety System. Kindly confirm.	It shall as per specification.
145				Please confirm if the level switches can be quoted of Emerson/E&H make also (BOQ item no 1.4)	Approved
146				For DP type level transmitters BOQ line item 1.8, please provide the dimensions of the Fire Water tanks	Bidder have to visit site for fetching required details.DAFFPL team will assist in same.
147				For GWR transmitters BOQ line item 1.9, tank details are required (HSD tanks)	Bidder have to visit site for fetching required details.DAFFPL team will assist in same.
148				Details regarding the existing fire alarm systems is required	Bidder have to visit site for fetching required details.DAFFPL team will assist in same.
149				As per BOQ line item 2.17, additional details regarding the signals to be taken from the panels will be required to confirm the cable type and quantity	Bidder have to visit site for fetching required details.DAFFPL team will assist in same.
150				As per BOQ line item 1.13, please provide the specifications for the flow transmitters	Only wiring termination in Bidder scope.
151				Communication unit for servo gauges (stand alone) is not considered in the BOQ	It shall loop in same communication unit of NCR radar .
152				Please confirm the number of IO's per card to be considered (IO density)	Pls. refer in Instrumentation Tender Point No. 2.8.6
153				Please confirm the spares philosophy to be considered	Bidder have to suggest spare philosophy as per their system requirement DAFFPL Team give confirmation on the same.

154				In BOQ line item no 9.1, UPS of various KVA ratings are specified, please note that the redundant UPS starts from 10 KVA ratings only	Final UPS Sizing as per actual system requirement. Bidder have to Quote for as mentioned in BOQ.
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COMMERCIAL

S.No.	Pg no.	Clause No.	InquiryTender Term	Query	DAFFPL Response
1	42 of 395	Guantee/Warranty	Warranty period	We request M/s Daffpl that warranty shall be for 24 months from the date of SAT OR 30 months from the date of last Supply whichever is earlier.	Bidder to follow Tender T&C's
2	43 of 395	Payment Terms	Supply Payment Terms	10% of supply price including taxes shall be release immidiately in case of delay, not attributable to vendor, in erection for 45 days	Bidder to follow Tender T&C's
3	43 of 395	Payment Terms	Supply Payment Terms	10% of supply price including taxes shall be release immidiately in case of delay, not attributable to vendor, in commissioning for 45 days	Bidder to follow Tender T&C's
4	44 of 395	AMC	90% of relevant charges in four equal installments towards maintenance shall be paid at the end of each quarter against submission of pre-receipted invoice and necessary certification by site in charge.	We request M/s Daffpl that 100% of relevant charges in four equal installments towards maintenance shall be paid at the end of each quarter against submission of pre-receipted invoice and necessary certification by site in charge.	Bidder to follow Tender T&C's
5	214 of 395	Post Waarnty AMC	Resident Engineer	We request M/s Daffpl to clarify no. of Resident engineer needs to be posted during AMC period.	At any point of time one Engineer should be present at site.
6	41 of 395	Price reduction	Accept delayed delivery at prices reduced by a sum equivalent to half percent (0.5%) of the total order value for every week of delay or part thereof, limited to a maximum of 10% of the total order value. Date of completion of work shall be considered for calculation of price reduction	Accept delayed delivery at prices reduced by a sum equivalent to half percent (0.5%) of the total order value for every week of delay or part thereof, limited to a maximum of 5% of the total order value. Date of completion of work shall be considered for calculation of price reduction	Bidder to follow Tender T&C's
7	45 of 395	VARIATIONS IN QUANTITIES	The quantities indicated in the Tender are approximate. The quoted rates will be applicable for variations without any limit	The quoted rates will be applicable for variations up to 10% only. Please confirm	Variation will be at any extent. Payment will be done on actual basis.
8	71 of 395	TPI	Contractor to supply the complete hardware and software for fuel terminal Automation systems including all installation material required to meet the specified functional requirements including Factory testing, Third party Inspection and Acceptance of complete system.	We request M/s Daffpl to provide TPI agency approved vendor list	Burea Veritas, Tata Projects Limited, Certification Engineers International Limited and SGS India.
9		General	Limitation Of Liability	We request M/s Daffpl to include Limitation of Liability clause as "The maximum liability shall be limited to 100% of contract value except in case of fraud and/or wilful negligence. The vendor shall not be liable for consequential losses on account of production revenue or profit."	Noted and Confirmed
10		General	GST	If any variation in GST slab after awarding of contract shall be in a scope of Customer. Please confirm.	There will be no change in quoted Unit rates. GST will be paid on actual basis.
11		General	New Tax	If any new Tax introduce by Government, then it will be extra at actual. Please confirm.	Noted and Confirmed
12	16 of 395		Agreed Terms & Conditions duly filled-in.	We request Ms DAFFPL to Provide the Agreed Terms and Conditions sheet.	Please refer Annexure III of Tender document

14	9 of 395	25 & 26	For carrying out the jobs inside the depot the vendor has to arrange for electricity (sufficient nos. of acoustic DG sets), working water etc. For arranging the electricity vendor to note that only Acoustic Proof, box type DG sets will be allowed inside the depot premises. Vendor to also note that proper GI plate type earthing system as per IS 3042 (LATEST) has to be provided by the vendor for DG set and no extra payment will be done for the same.	We request DAFFL to provide for Electricity /Power at single point.	Electricity will be provided by DAFFPL on chargeable basis @ Rs. 14.5 / unit. Traffic will be subject to change as per DIAL revision. Bidder has to make necessary arrangements for power distribution. The owner will not take any guarantee for the supply of electricity and will not relieve the bidder of his responsibilities in making his own arrangements and for the timely completion of works.
15	23 of 395	3 b	During monsoon and other period, it shall be the responsibility of the contractor to keep the construction work site free from water at his own cost.	As the complete site scope is not on turnkey basis for bidder, we request DAFFL to arrange for dewatering of site if required.	In Bidders scope
16	19 of 395	Chapter No.-3, Qualification Criteria, Point.-3	Average Annual Turnover	Is it average of last 3 financial Years or 5 crores in last any 3 financial Years.	Avg should be minimum 5 Crores in last 3 Financial Years
17	16 of 395	Chapter No-2, Instructions to Bidders, Point No. 33, Clause No. -II(iii)	Documentary evidence establishing Bidder's eligibility to bid and that the offered Goods conform to the Bid Document.	What Documents to be submitted for Documentary evidence establishing Bidder's eligibility to bid and that the offered Goods conform to the Bid Document.	Supporting documents to be shared as evidence
18	19 of 395	Chapter No.-3, Bid Qualification Criteria, Point No.-2	Previous Order Value	Please Clarify- Single Work Order of 3 Crores is required or Two or Three Work Orders of 3 Crores is required.	Single order alongwith completion certificate to be provided.
19	Page 29 of 395	Clause No.: 13		MATERIALS OBTAINED FROM DISMANTLING: We understand that scope related to Dismantling is not applicable here. Please confirm.	Any materials obtained during shifting or materials to be handed over to DAFFPL.
20	Page 32 of 395	Clause No.: 23		ACTION AND COMPENSATION IN CASE OF BAD WORK: Request M/s. DAFFPL to note that word BAD WORK can not be quantified / defined / measured. Hence mentioned compensation at the rate of 0.5% of the estimated cost of the whole work, for every week limited to a maximum of 10% of the estimated cost of the whole work, will not be applicable for the same. Please confirm.	As per Tender T & C's
21	Page 33 of 395	Clause No.: 27		PERIOD OF LIABILITY FROM THE DATE OF COMPLETION OF WORK: The contractor shall guarantee the installation/site work for a period of 24 (Twenty Four) Months from the date of completion of all work.... Request M/s. DAFFPL to confirm that mentioned period of liability shall be 24 months from the date of supply or 18 months from the date of commissioning which ever is earlier.	As per Tender T & C's
22	Page 38 of 395	Clause No.: 14		TAXES & DUTIES, Now since GST has been implied, mentioned ED and other taxes will not be applicable. Also GST to be charged extra. Please confirm.	GST will be paid on actual basis
23	Page 41 of 395	Clause No.: 18 b		PRICE REDUCTION FOR DELAY IN DELIVERY: Accept delayed delivery at prices reduced by a sum equivalent to half percent (0.5%) of the total order value for every week of delay or part thereof, limited to a maximum of 10% of the total order value. Request M/s. DAFFPL to confirm the Price Reduction in Delay in delivery shall be 0.5% to max. up to 5% of total order value. Please confirm.	As per Tender T & C's

24	Page 41 of 395	Clause No.: 18 b		<p>PRICE REDUCTION FOR DELAY IN DELIVERY: Accept delayed delivery at prices reduced by a sum equivalent to half percent (0.5%) of the total order value for every week of delay or part thereof, limited to a maximum of 10% of the total order value. Request M/s. DAFFPL to confirm that the Delay in Delivery shall be applicable on undelivered portion of the job.</p>	Not accepted
25	Page 42 of 395	Clause No.: 21		<p>GUARANTEE/WARRANTY: Warranty shall be 24 months from the date of supply or 18 months from the date of commissioning whichever is earlier. Please confirm.</p>	As per Tender T & C's
26	Page 43 of 395	Payment Terms: For Price component of Supply		<p>Request M/s. DAFFPL to accept Supply payment terms as per below: 1) 15% as Advance along with Purchase Order 2) 75% of the supply price including all taxes, levies & freight etc., will be paid on prorata basis within 15 days time as per approved billing schedule against receipt of material at site and upon submission of following documents: - Copies of invoices showing goods description, quantity, unit price and total amount. - Railway receipt/ lorry receipt/ delivery of challan duly acknowledged by the Consignee. - Manufacturer's Warranty Certificate - Inspection certificate and dispatch clearance issued by the nominated inspection agency and supplier's factory inspection report.</p>	As per Tender T & C's
27	Page 43 of 395	Payment Terms: For the Price component of erection		<p>Request M/s. DAFFPL to accept Service payment terms as per below, 1) 90% of the erection price will be paid progressively on prorata basis on physical progress of work certified by Site Engineer of DAFFPL. Within 15 days time 2) 5% of erection price shall be payable on prorata basis on successful completion of erection and certification by Site Engineer within 15 days time. 3) Last 5% of the erection price shall be paid on successful commissioning of all the equipment and issue of acceptance certificate for the same by DAFFPL. within 15 days time.</p>	As per Tender T & C's
				<p>4) 5% on Installation & Erection of material at site on Pro rata basis within 15 days time, in case of delay in Installation beyond 30 days for the reason which are not attributable to us. mentioned payment shall be released against equivalent amount of BG 5) Balance 5% on commissioning within 15 days time. in case of delay in commissioning beyond 30 days for the reason which are not attributable to us. mentioned payment shall be released against equivalent amount of BG</p>	As per Tender T & C's

28	Page 44 of 395	Clause 24: Payment terms for Annual Maintenance Contract (5 Years)		Request M/s. DAFFPL to accept payment terms for AMC as per below: 100% of payment per quarter of CAMC value will be paid on completion of each quarter, within 10 days time. Please confirm.	As per Tender T & C's
29	Page 44 of 395	Clause 24: Payment terms for Annual Maintenance Contract (Five Years)		Contractor shall execute a Bank Guarantee equivalent to the cost of the Annual Maintenance Contract to cover the five year AMC period. This bank guarantee shall be submitted one month before the end of the Warranty period failing which the existing performance Bank Guarantee shall stand forfeited. Request M/s. DAFFPL to confirm that the mentioned BG value shall be @ 10% of AMC Order value. Also the same shall be issued on end of warranty. Subsequently every year fresh BG will be Submitted by vendor @ 10% of balance year of AMC value. and earlier BG will be returned by M/s. DAFFPL.	As per Tender T & C's
30	Page 45 of 395	Clause 30, VARIATIONS IN QUANTITIES		Request M/s. DAFFPL to note that in current scenario the price of various items including cable and other hardware are continuously changing, Hence increase in quantity up to 25%, beyond that M/s. DAFFPL to take confirmation from the Vendor. at the same time please note that the quoted prices will be based on the quantity given. hence it will not be possible to maintain the same price incase of reduction in qty. Request M/s. DAFFPL to take confirmation from the vendor in case of reduction in qty.	Quantities mentioned in BOQ are indicative, they may vary to any extent. Payment will be done on actuals.
31	Page 386 of 395	Price Bid		Request to provide Excel format of Price Bid.	We cannot provide
32	Limitation of Liability and Consequential Losses	Clause not available		Maximum liability of contractor / vendor under this PO shall be limited to 100% of total contract value. In no event contractor / vendor shall be liable to customer for any Consequential or indirect damages.	Please refer clause 41 of Chpater 5 in Tender doucment.