



ADDENDUM No.1

Addendum no. 1 dated 20.02.2023

EOI No: RailTel/SR/SC/Mktg/DCG_ICG-Eoi-ERP Solution dt. 04-02-2023

Expression of Interest (Eoi) for Selection of Consortium Partner from its Empanelled Business Associates(BA)/ Business Partners (BP) for ERP Solution for Digital Coast Guard Tender No: File no. IT/3002/DCG/Dir(Systems)-dt :03-11-2022 "REQUEST FOR TECHNICAL AND COMMERCIAL PROPOSAL FOR 'DIGITAL COAST GUARD (DCG)'PROJECT INCLUDING CORE IT INFRASTRUCTURE FOR ICG (DATA CENTRE, DISASTER RECOVERY DATA CENTRE, NEAR LINE DATA CENTRE, PAN ICG MPLS/ VSAT CONNECTIVITY) AND ERP PAKCAGE 'SAFAL' COMPRISING SURFACE & AVIATION OPS LOGISTIC, FINANCE AND HUMAN RESOURCE MANAGEMENT MODULES" as per the description and specifications. Scope of ERP Solution Provider against the DCGs ERP Solution sub-component is considered in this EOI."

This Addendum is issued for inclusion of the following -

- I Additional clauses in the EOI (Bidder must comply with these added clauses to the EOI)
- II Additional BOM (Quoting for the additional BOM is optional for the Bidder)

I Additional Clause added to EOI

1. Bidders, along with this offer, to submit Preliminary Project Report (PPR) duly adhering to Para:44, Pg:22 and as per **Appendix D** of MOD's DCG RFP covering the scope of this EOI.
2. For an equipment to be introduced in service, it is mandatory that it successfully clears all stipulated tests/ trials/ evaluations as per RFP. The trial evaluation process is placed at **Appendix 'G'** of MOD's DCG RFP.
3. Bidders, along with this offer, to submit the documents mentioned at Para:258, Pg:397 of MOD's DCG RFP".
4. Bidders, need to comply to the commercials clauses mentioned at **Appendix H** at Pg:442 to 447 of MOD's DCG RFP.
5. **Option Clause:** Bidder must comply to the option clause for procurement of hardware & ERP licenses. The format of option clause is placed at **Appendix L** at Pg:485 of MOD's DCG RFP.
6. Bidders, along with the bid documents need to submit signed copy of this Eoi and all the corrigendum/addendum issued from time to time.
7. Bidders, need to comply to standard conditions of RFP mentioned at **Appendix K** at Pg:469 to 474 of MOD's DCG RFP All the references of RFP mentioned in this Eoi, should be read in conjunction with subsequent Pre-bid Clarifications, corrigenda, Addenda issued from time to time by MoD/ICG for DCG Project.
8. **Liquidated Damages (LD):** In the event of the Bidder's failure to submit the Documents, supply the stores/ goods, perform services, conduct trials, installation of equipment, training and MET as per schedule specified in this contract, the BUYER may, at his discretion withhold cost of the specific lot/batch or 1% of the Project cost, whichever is higher, until the completion of the contract. The BUYER may also deduct from the SELLER as agreed, liquidated damages to the sum of $1/100$ of the delay percentage {Delay percentage = $(\text{Period of Delay in Delivery in Weeks}) \times 100 / (\text{Delivery Period in weeks as per contract})$ } of the Base Contract Price of the delayed/ undelivered stores/ services mentioned above for every week of delay or part of a week, subject to the maximum value of the Liquidated Damages being not higher than 10% of the contract price of the value of delayed stores/ services (Any extension given by the Buyer for delay attributable to Buyer or Force Majeure Clause to be factored in delivery period).
9. **Compliance:** Bidder to share compliance against scope mentioned for SAFAL ERP (Ref. Page No. 266 to 392 of DCG RFP) in the below format:

Ser No	Requirement as per the RFP	Compliance/ Partial Compliance	Indicate references of Paras/ Sub Paras of the Main Technical Document
General Conditions of RFP (Para 01 to 25)			
Technical Parameters as per Appendix A			
1	ERP- As per Para 107 to 245 of Appendix 'A'		
Commercial Parameters as per RFP			
1	Performance-cum-Warranty Bank Guarantee (PWBG) as per Para 2 of Appendix 'H' RFP		
2	Performance Bank Guarantee (PBG) for AIAMC		
3	Retention money @ 3% as per Sno.4, Corrigendum No. 3 of EOI (in lieu of APBG)		
4	Earnest Money Deposit in the form of BG as per Sno.3,Corrigendum 3 of EOI		

10. Evaluation Criteria:

(i) Taxes and Duties. All Indirect Taxes and Duties will be paid at actuals or as indicated in the Commercial bid by the Bidder, whichever is lower. In case of any change in the tax structure/ rates by BUYER's Government, only incremental/ decremented change will be paid.

(ii) Additionally, the bidder would be required to submit a detailed item/ component/ sub-component wise cost of all items indicated in the estimated Bill of Material placed at **Appendix 'Q'** along with completed price bid format. Additional items, if considered necessary, to fulfil the functional requirements/ specifications mentioned at Appendix 'A' may also be listed along with their cost and justification.

DETAILED BILL OF MATERIAL – ERP (As per Appendix ‘Q’) of MOD’s DCG RFP

SI	Items	Qty/ Set.	UnitCost	TotalCost (iii) * (iv)	Indicative Rate of Taxes & Duties used to arrive at Total Cost (as applicable)	Total Cost (Including all taxes & duties) (v) + (vi)
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)
1.	ERP Software (for Heavy Transaction User-250, Light Transaction Users-600, Self Service users - 16,000 & as required. Licenses to include for DevOps and T&D. Warranty for 02 years from final Go	1				
2.	Enterprise Database with native replication, security, warranty for 02 years from final go-live. Support for federated database replication across ICG Ships of about 150 Nos.	1				
3.	Hardware & related Software (including OS, cloud management platform, Network & Security virtualization, End Point Protection, backup) for DC/ DRDC, OEM warranty for 02 years from installation date. Hardware sizing to include DevOps and T&D environment. (Minimum Hardware sizing mentioned at Para 11.6 below.	1				
DESIGN, IMPLEMENTATION & SUPPORT						

4.	Study, design, development & implementation of ERP software including logistics, financial and HR with 02-year warranty post final go-live. Onsite warranty support manpower	1				
5.	Audit and Quality Assurance Services from OEM Consultancy Services. OEM should provide design for central and offline ERP module, validate delivery of software for Quality/ Security as per OEM standards. OEM. SI should obtain OEM audit team man-days of minimum of 100 days and provide on-site expert consulting for minimum of 75 man-days. Warranty for 02 year post-final go-live. *1 Man-day is team consisting all skillset	1				
6.	Security Audit & VA (Vulnerability Analysis) by CERT-IN empaneled firm of Hardware, ERP Application etc.	1				
7.	AIAMC for 03-year post 02 year warranty	1				
8.	Training & Documentation	1				
OFFLINE ERP MODULE FOR SHIPS, INTERNET						
9.	Study, design, development & implementation of offline ERP software client including logistics, financial and HR. Total Ships are approx. 100nos. with average Users of 50 Nos. each and internet zone	1				
10.	Enterprise Middleware software including Identity Access Management (IAM), warranty for 02 years from final go-live	1				
11.	Enterprise software as required. List of software to be provided. Warranty for 02 years from final go-live	1				
ONSITE MANPOWER SUPPORT ON AMC						
12.	Functional ERP consultant, L3 level, OEM Certified, 05 years' experience, 03 Nos.	1				
13.	Onsite ERP support engineers, L2 level, OEM Certified, 03 years' experience, 06 Nos.	1				
14.	Onsite ERP Database Administrator, OEM Certified, 03 years' experience, 02 Nos.	1				

15.	Onsite ERP system engineer (02 Nos.), Middleware/ Cloud Automation (02 Nos.) OEM Certified, 03 years' experience	1				
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Minimum Hardware Sizing. (As per Appendix 'Q') of MOD's DCG RFP

Sl.	IT Infrastructure Type	SAFAL ERP	CID	Supply Unit Cost	Total Cost (iii) * (v)	Indicative Rate of Taxes & Duties used to arrive at Total Cost (as applicable)	Total Cost (Including all taxes & duties) (vi) + (vii)
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)
1.	All Flash Unified Storage	(a) 40TB available in RAID-6 (b) Qty.- 02 No.	C37				
2.	Tape Library	Qty.- 02 No.	C38				
3.	Composable IT Infrastructure with SDDC capabilities	(a) Chassis: 02 No. (b) Compute Nodes/ Chassis, 2x20Cores, 512GB RAM, 2TB SSD in RAID-10: Qty.- 04 Nos. (c) Storage Nodes/ Chassis, 5TB in RAID-10, NL-SAS: Qty.-04 Nos.	C39 C40				
4.	Backup Software	02 Socket x 02 Nodes for each of DC & DR	C41				
5.	Application Delivery Controller (ADC), Virtual Appliance	(a) 10 Gbps throughput (b) Qty. - 02 Nos. in HA each DC & DR	C42				

6.	Rack Server	Qty. 02 Nos.	C43				
7.	OEM Qualification, Warranty & Implementation support	Warranty 05 Years from Date of supply	—				
8.	Enterprise Database		—				
9	Installation & Commissioning of above BOM						

II Additional BOM as per Appendix 'Q' of MOD's DCG RFP (Optional for Bidder to quote)

DETAILED BILL OF MATERIAL - DATA CENTRE

Sl.	Generic Description (DC)	CID	Qty.	License Metric	Unit Cost for Supply	Total Cost for Supply (iv)*(vi)	Total Cost for (I&C)	Indicative Rate of Taxes & Duties used to arrive at Total Cost (as applicable)	Total Cost (Including all taxes & duties) (vii) + (viii) +(ix)
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)
	(A) SUPPLIES - SOFTWARE/ HARDWARE (ONE-TIME) (DC)								
CLOUD									
1	Cloud Management Platform	C01 C02	68	Socket					
2	Network and Security Virtualization	C03	68	Socket					
3	Container Management Platform	C04	3	Server					
NETWORK									
4	DR Automation	C23	8	Set					
SECURITY									
5	PKI Solution	C32	1	Set					
	SERVICES - AMC/ MANPOWER SUPPORT FOR 05 YRS (ONE-TIME/ RECURRING) (DC)								
	Man power, IT Infra & Cloud								

6	Cloud automation, L2, OEM provided	C35	1	No.					
7	Virtualization support, L2	C35	1	No.					

DETAILED BILL OF MATERIAL - DISASTER RECOVERY DATA CENTRE

Sl.	Generic Description (DC)	CID	Qty.	License Metric	Unit Cost for Supply	Total Cost for Supply (iv)*(vi)	Total Cost for (I&C)	Indicative Rate of Taxes & Duties used to arrive at Total Cost (as applicable)	Total Cost (Including all taxes & duties) (vii) + (viii) +(ix)
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)
	(A) SUPPLIES - SOFTWARE/ HARDWARE (ONETIME) (DR)								
CLOUD									
1	Cloud Management Platform	C01 C02	40	Socket					
2	Network and Security Virtualisation	C03	40	Socket					
3	Container Management Platform	C04	3	Server					
SECURITY (As per DR solution requirement)									
4	PKI Solution	C32	1	Set					
SERVICES - AMC/ MANPOWER SUPPORT FOR 05 YRS (ONTIME/ RECURRING) (DR)									
Manpower, IT Infra & Cloud (C37.1)									
5	Virtualisation support, L2	C35	1	No.					

DETAILED BILL OF MATERIAL - NEAR LINE DATA CENTRE

Sl.	Generic Description (DC)	CID	Qty.	License Metric	Unit Cost for Supply	Total Cost for Supply (iv)*(vi)	Total Cost for (I&C)	Indicative Rate of Taxes & Duties used to arrive at Total Cost (as applicable)	Total Cost (Including all taxes & duties) (vii) + (viii) +(ix)
(i)	(ii)	(iii)	(iv)	(v)	(vi)	(vii)	(viii)	(ix)	(x)
	(A) SUPPLIES - SOFTWARE/ HARDWARE(ONE-TIME) (NLDC)								
CLOUD									
1	Cloud Management Platform	C01 C02	10	Socket					
2	Network and Security Virtualisation	C03	10	Socket					

Note:

- Cost of Additional BOM mentioned above should include underlying Hardware, OS, DB and any Licenses of Software.
- Bidder must Submit Compliance to Technical Specifications for above mentioned DC/ DRDC/ NLDC Components as per CID.
- Bidder Quoting for Additional BOM must comply with all Terms & Conditions/Clauses mentioned in the EOI, Corrigenda and this Addendum and submit all Supporting Documents.