

कोल इण्डिया लिमिटेड

(भारत सरकार का उपक्रम)

Coal India Limited**(A Govt. of India Enterprise)**

कोल भवन "COAL BHAWAN"

Premises No. 04, MAR, Plot No. AF-III

Action Area - 1A, New Town, Rajarhat

Kolkata 700156 (WB)

CIN.L23109WB1973GOI028844



महारत्न कंपनी

A Maharatna Company

प्रणाली विभाग

SYSTEM DIVISION

Phone – (033) 2324 4095

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E-Mail: gmsystem.cil@coalindia.in

Website: www.coalindia.in

Notification of Award

Ref. No. CIL/SYS/8301

Date: 05.04.2024

To,

M/s. Corporate Infotech Private Limited

A-16, LGF, Jangpura Extension New

Delhi – 110014

Dear Sir

Sub: Upgrading Infrastructure for latest version v7.x of e-Office Application at Tata Communication Cloud for CIL & Subsidiaries

1. Our RFP/Tender No. CIL/C2D/DC&DRC/2020/359 dated 20/06/2020 (Tender ID 2020_CILHQ_175499_1 in e-Procurement Portal).
2. Our NOA CIL/C2D/DC&DRC/859/1899 dated 07.03.2022
3. Coal India Signed Agreement having Contract number CIL/C2DDC&DRC/2020/359/170 dated 03.12.2020
4. Our NOA CIL/SYS/6557 dated 19.09.2022
5. Our NOA CIL/SYS/68/8206 dated 17.01.2024

With reference to the subject above we are pleased to place an order for following line items with the discovered rate as that of Original order cited above (w.e.f. Commencement of service of upgradation of infrastructure and installation of latest version v7.x of e-Office Application for both DC & DRC including necessary security, monitoring and managed services. Start date of the project from the day on which upgraded version of e-office is fully installed by NIC and confirmation from CMPDIL).

PRICE SCHEDULE

Monthly Additional Cost (excl. GST) (Rs)	Total no. of Months from 29.04.2024 or date of commencement to 29.12.2025	Total Additional amount for 20 months. (Rs 364888.80 x 20 Mths) (Excl. GST) (Rs)	Total Max Additional Amount (incl. GST) (Rs)
3,64,888.80	Max 20	72,97,776.00	86,11,375.68

NOTE: Refer annexure 1 & 2 for price breakup.

OTHER TERMS & CONDITIONS

- Period of Service (29.04.2024 to 29.12.2025): Maximum 20 Months. (After commencement of service of upgradation of infrastructure as per enclosed specification of DC, DR and Temporary servers and installation of latest version of e-Office Application for both DC & DRC including necessary security, monitoring and managed services. Start date of the project from the day on which upgraded version of e-office is fully installed by NIC and confirmation from CMPDIL).
- This contract, including the contract CIL/SYS/6557 dated 07.03.2022 and CIL/SYS/68/8206 dated 17.01.2024 will be valid upto 29.12.2025 with a provision of extension upto next 2 years subject to the extension of SAP cloud contract.
- At any time if any resource, over and above the quoted resources, is found necessary, the bidder shall provide the same free of cost to ensure the guaranteed service level.
- Any change in Taxes will be applicable at the time of invoicing.
- Payment Terms: The monthly rental bills shall be raised at the end of each quarter which will be paid within 21 (twenty-one) days after receipt and acceptance of the same to the entire satisfaction of CMPDIL.
- Contract Performance Guarantee shall be 10% of the contract value i.e. Rs 86,11,375.68 which has to be submitted by the Contractor / Service Provider within twenty-one (21) days of issue of Notification of Award (NOA) to CIL in the form of a Bank Guarantee Or in the form of Bank DD/RTGS/NEFT.
- All other Terms and Conditions shall be as per RFP mentioned above (as per point no. 1).
- Paying Authority: General Manager/HoD (Finance) of CIL.

You are requested to please acknowledge the receipt of the Notification of Award (NOA) and arrange to submit the Performance Security Bank Guarantee.

Accepted - gm.
05/04/24
GM(System), CIL

Copy to:

1. TS To D(T),CIL
2. TS To Chairman, CIL
3. GM(ERP),CIL
4. GM(ICT),CMPDI, Ranchi
 - Ticket logging/ Incident Management for Cloud Infrastructure via M/s CIPL with M/s Tata Communications Limited will be undertaken by CMPDI, Ranchi.
5. GM(Finance) /CFO , CIL
6. GM(MM),CIL
7. Sri R. K. Ghosh, GM(System), CIL

Annexure - 1: DC GK I V7.0

Existing requierment									Existing Infrastructure												
eOffice Lite (eFile V7) Deployment Resources, Mongo DB Based, User:12,000									For Pricing					Building Block Details for Pricing			TCL Template for Provisioning				
User base	Functionality Of the Server	O/S	CPU Cores	RAM (in GB)	Min O/S Storage (in GB)	Additional Storage (in GB)	NFS (NAS)	Mount Points	Nearest TCL Building Block CPU Core	Nearest TCL Building Block RAM in GB	Root Storage in GB	Proposed Storage (in GB)	Proposed NFS (in GB)	Nearest Building Block	Config	Storage building Block	vCPU	RAM	Root SSD in GB with K Dump	Additional Storage in GB	NFS in GB
12000	Web	RHEL 9.0	20	24	70	0			24	194	300	0	0	Virtual Machine-Type35	24 vCPU, 194GB RAM	Usable Normal Storage - Type1	24	288	400	0	
	Application -1	RHEL 8.1	24	36	70	100	200	/eOffice (100GB) /Uploads (200GB)*	24	194	300	300	200	Virtual Machine-Type35	24 vCPU, 194GB RAM	Usable Normal Storage - Type1	24	288	400	300	200
	Application -2	RHEL 8.1	24	36	70	100		/eOffice (100GB)	24	194	300	100		Virtual Machine-Type35	24 vCPU, 194GB RAM	Usable Normal Storage - Type1	24	288	400	100	
	PostgreSQL DB	RHEL 9.0	48	80	70	1250		/var/lib/pgsql (1250GB)	44	355	400	1250		Virtual Machine-Type39	44 vCPU, 355GB RAM	Usable Normal Storage - Type1	48	384	500	1250	
	PostgreSQL DB LR	RHEL 9.0	20	36	70	1250		/var/lib/pgsql (1250GB)	24	194	300	1250		Virtual Machine-Type35	24 vCPU,194GB RAM	Usable Normal Storage - Type1	24	288	400	1250	
	MongoDB	RHEL 9.0	36	60	70	11000		/MongoDB (11000GB)	37	296	400	11000		Virtual Machine-Type38	37 vCPU, 296GB RAM	Usable Normal Storage - Type1	40	320	400	11000	
	PostgreSQL DB SR & PITR MongoDB Replica Logs Backup	RHEL 9.0	24	40	70	15800		/var/lib/pgsql (3750GB) /MongoDB (11000GB) /Logs (1050)	24	194	300	15800		Virtual Machine-Type35	24 vCPU, 194GB RAM	Usable Normal Storage - Type1	24	288	400	15800	
	Redis and Kafka	RHEL 9.0	8	16	70	200		/eOffice (200GB)	8	48	100	200		Virtual Machine-Type18	8vCPU, 48GB RAM	Usable Normal Storage - Type1	8	48	100	200	
	Elastic Search (ELK)	RHEL 9.0	8	12	70	100		/eOffice (100GB)	8	48	100	100		Virtual Machine-Type18	8vCPU, 48GB RAM	Usable Normal Storage - Type1	8	48	100	100	
	Backup&Logs	RHEL 9.0	12	16	70	2700		/eOffice (200GB) /Uploads (200GB) /Logs (1050GB) /var/lib/pgsql (1250GB)	15	120	200	2700		Virtual Machine-Type28	15 vCPU, 120GB RAM	Usable Normal Storage - Type1	16	128	200	2700	
	CRL & eSign	RHEL 9.0	12	20	70	100		/eOffice (100GB)	15	120	200	100		Virtual Machine-Type28	15 vCPU, 120GB RAM	Usable Normal Storage - Type1	16	128	200	100	
Total			236	376	770	32600	200		247	1957	2900	32800	200				256	2496	3500	32800	

osting requirement																
eOffice Lite (eFile V7) Deployment Resources, Mongo DB Based, User:12,000		TCL Template for Additional Provisioning											BB			
User base	Functionality Of the Server	New VM Name	vCPU	RAM	Root SSD in GB with K Dump	Additional Storage in GB	NFS in GB	Building Block Name	VM MRC	Storage Price MRC	Total MRC	OLD PRICE	DELTA	VM	STORAGE	
12000	Web	No Change	No Change	No Change	No Change	No Change	No Change	No Change	39,991	2,481	42,472			40	26	
	Application -1	No Change	No Change	No Change	No Change	No Change	0	No Change	39,991	4,962	44,953	46,607	-1,654	40	26	
	Application -2	No Change	No Change	No Change	No Change	No Change	0		39,991	3,308	43,299			40	26	
	PostgreSQL DB	No Change	No Change	No Change	No Change	No Change	No Change	No Change	73,194	13,646	86,839			44	26	
	PostgreSQL DB LR	No Change	No Change	No Change	No Change	No Change	No Change	No Change	39990.99931	12,819	52,809			40	26	
	MongoDB	To be Terminated / Replaced with new VMs							-	-	0	155321	-1,55,321			
	PostgreSQL DB SR & PITR MongoDB Replica Logs Backup	No Change	16	64	400	4800	NA	Virtual Machine-Type30 16 vCPU, 64GB RAM	15,836	43,004	58,840	1,73,138	-1,14,298	35	26	
	Redis and Kafka	To be Terminated / Replaced with new VMs							-	-	0	13038	-13,038			
	Elastic Search (ELK)	Redis, Kafta, Arbitrer & ELK	16	64	150	450	NA	Virtual Machine-Type30 16 vCPU, 64GB RAM	15,836	4,962	20,798	12211	8,587	35	26	
	Backup&Logs	No Change	No Change	No Change	No Change	No Change	No Change	No Change	24,744	23,983	48,727			36	26	
	CRL & eSign	No Change	No Change	No Change	No Change	No Change	No Change	No Change	24,744	2,481	27,225			36	26	
	Total	MongoDB Config & Query -1	8	48	100	100	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	1,654	12,211		12,211	23	26	/MongoDB (100GB) \$
		MongoDB Config & Query -2	8	48	100	100	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	1,654	12,211		12,211	23	26	/MongoDB (100GB) \$
		MongoDB Shard-1	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	33,907	44,464		44,464	23	26	/MongoDB (4000GB) \$
		MongoDB Shard-1 Replica1	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	33,907	44,464		44,464	23	26	/MongoDB (4000GB) \$
		MongoDB Shard-1 Replica2	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	33,907	44,464		44,464	23	26	/MongoDB (4000GB) \$
		MongoDB Shard-2	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	33,907	44,464		44,464	23	26	/MongoDB (4000GB) \$
		MongoDB Shard-2 Replica1	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	33,907	44,464		44,464	23	26	/MongoDB (4000GB) \$
		MongoDB Shard-2 Replica2	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	33,907	44,464		44,464	23	26	/MongoDB (4000GB) \$

Existing requirment

eOffice Lite (eFile V7) Deployment Resources, Mongo DB Based, User:12,000		TCL Template for Additional Provisioning											BB		
User base	Functionality Of the Server	New VM Name	vCPU	RAM	Root SSD in GB with K Dump	Additional Storage in GB	NFS in GB	Building Block Name	VM MRC	Storage Price MRC	Total MRC	OLD PRICE	DELTA	VM	STORAGE
		MongoDB Shard-3	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	33,907	44,464		44,464	23	26
		MongoDB Shard-3 Replica1	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	33,907	44,464		44,464	23	26
		MongoDB Shard-3 Replica2	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	33,907	44,464		44,464	23	26
		MongoDB Temp Server	8	48	100	500	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10,557	4,962	15,519		15,519	23	26
											1,36,842	74,641	62,201	ADDITIONAL	
											1,72,636	98,649	73,987	55	
											2,673			57	
											2,673			57	
											21,652	13,633	8,019	70	
												2,500	ADDITIONAL		
											1,20,000	1,20,000	0	ADDITIONAL	
TOTAL											13,22,560		3,11,103		

Other Line items of existing setup will carry forward as is					Other Line items of existing setup will carry forward as is (Additional in New Infra)				
Line Item	Qty	Unit	Remarks	Building Block	Line Item	Qty	Unit	Remarks	Building Block
ObjectStorage (Value Based)	120	TB	Daily incremental retained for 2 weeks, weekly full retained for 1 month and monthly full retained for 2 months, Yearly 1 copy	Re calculated BET old will be decommissioned	ObjectStorage (Value Based)	220	TB	Daily incremental retained for 2 weeks, weekly full retained for 1 month and monthly full retained for 2 months, Yearly 1 copy Existing 120 and 100TB for additional 27TB FET	Re calculated BET old will be decommissioned
Backup_License (Commvault FET)	40	TB		Re calculated Backup License old will be decommissioned	Backup_License (Commvault FET)	70	TB	Existing 40 new 30TB as almost 27TB of storage added	Re calculated Backup License old will be decommissioned
Cross Connect 1	150	Mbps	Existing CIL MPLS 1 link will be used Cross connect to extend the L3 circuit from internal CIL switch to e office IPC switch port	Existing will carry forward	Cross Connect 1	No Change	No Change	No Change	Existing will carry forward
Cross Connect 2	150	Mbps	Existing CIL MPLS 2 link will be used Cross connect to extend the L3 circuit from internal CIL switch to e office IPC switch port	Existing will carry forward	Cross Connect 2	No Change	No Change	No Change	Existing will carry forward
VA & PT	17	IP address	11 VMs, 4 Database instances, 1 web server, Infrastructure VA and PT for 1 external IP Frequency yearly once, remote VA and PT using shared scanner Frequency 1 per year	Changed VAPT count	VA & PT	27	IP address, 10 additional IPs existing was 17 now 27	11 VMs, 4 Database instances, 1 web server, Infrastructure VA and PT for 1 external IP Frequency yearly once, remote VA and PT using shared scanner Frequency 1 per year	Changed VAPT count
SIGS + MFA + VPN	20	#	SIGS delivered under Zero value COF	FOC	SIGS + MFA + VPN	10	#	10 New SSL VPNs	Additional requirement to be priced
Existing Database Management				New Database Management Addition					
Line Item	Unit	Qty	Remarks	Line Item	Unit	Qty	Remarks		
MongoDB	#Instances	1	Db management	MongoDB	No Change	No Change	Existing Onetime configuration and management		
				MongoDB	#Instances	12	Onetime configuration and management		

Annexure 2: DR LVSB v7.0

The following Servers are required at DR Site.									For Pricing				Building Block Details for Pricing			TCL Template for Provisioning					
User base	Functionality Of the Server	O/S	CPU Cores	RAM (in GB)	Min O/S Storage (in GB)	Additional Storage (in GB)	NFS (NAS)	Mount Points	Nearest TCL Building Block CPU Core	Nearest TCL Building Block RAM in GB	Root Storage in GB	Proposed Storage (in GB)	Proposed NFS (in GB)	Nearest Building Block	Config	Storage building Block	vCPU	RAM	Root SSD in GB with Kdump	Additional Storage in GB	NFS in GB
12000	Application -1	RHEL 8.1	24	36	70	100	200	/eOffice (100GB) /Uploads (200GB)*	24	194	300	0	200	Virtual Machine-Type35	24 vCPU, 194GB RAM		24	288	400	300	200
	PostgreSQL DB SR & PITR MongoDB Replica Logs Backup	RHEL 9.0	24	40	70	15800	0	/var/lib/pgsql (3750GB) /MongoDB (11000GB) /Logs (1050)	24	194	300	15800		Virtual Machine-Type35	24 vCPU, 194GB RAM		24	288	400	15800	
	Total			48	76	140	15900	200		48	388	600	15800	200							

		TCL Template for Additional Provisioning												BB	
User base	Functionality Of the Server	New VM Name	vCPU	RAM	Root SSD in GB with K Dump	Additional Storage in GB	NFS in GB	Buildinf Block Name	VM MRC	Storage Price MRC	Total MRC	OLD PRICE	DELTA	VM	STORAGE
12000	Application -1	No Change	No Change	No Change	No Change	No Change	0	No Change	₹ 39,991.00	₹ 7,443.00	47,434			40	26
	PostgreSQL DB SR & PITR MongoDB Replica Logs Backup	No Change	16	64	400	4800	NA	Virtual Machine-Type30 16 vCPU, 64GB RAM	₹ 15,835.93	₹ 42,177.00	58,013	1,73,138	-1,15,125	35	26
	Total	MongoDB Shard-1	8	48	100	4000	NA	Virtual Machine-Type18	10557.28599	33907	44,464		44,464	23	26
		MongoDB Shard-2	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10557.28599	33907	44,464		44,464	23	26
		MongoDB Shard-3	8	48	100	4000	NA	Virtual Machine-Type18 8 vCPU, 48GB RAM	10557.28599	33907	44,464		44,464	23	26
											3,400			ADDITIONAL ITEM	
											31,101			54	
											41,926	39,460	2,466	55	
											2,673			57	
											2,673			57	
											10,000			ADDITIONAL ITEM	
											4,010			70	
											-		2500	ADDITIONAL ITEM	
											30,000	0	30,000	ADDITIONAL ITEM	
										Total MRC	3,17,188		53,234		

Other Line items of existing setup will carry forward as is					Other Line items of existing setup will carry forward as is (Additional in New Infra)				
Line Item	Qty	Unit	Remarks	Building Block	Line Item	Qty	Unit	Remarks	Building Block
Double Take Availablity license	1	1	Needed for File storage replication of Application VM1 including one DRM VM 4vCPU 8GB RAM 100GB SDD	Added newly	Zerto	1	1	As file storage is removed now the application VM will be replicated using Zerto. So replacing DoubleTake with Zerto DRM tool	Added newly
ObjectStorage (Value Based)	50	TB	Daily incremental retained for 2 weeks, weekly full retained for 1 month and monthly full retained for 2 months, Yearly 1 copy	Re calculated BET old will be decommissioned	ObjectStorage (Value Based)	No Change	No Change	Daily incremental retained for 2 weeks, weekly full retained for 1 month and monthly full retained for 2 months, Yearly 1 copy	Re calculated BET old will be decommissioned
Backup_License (Commvault FET)	16	TB		Re calculated Backup License old will be decommissioned	Backup_License (Commvault FET)	17	TB	Existing 16 new 1TB as almost 1TB of storage added	Re calculated Backup License old will be decommissioned
Cross Connect 1	150	Mbps	Existing CIL MPLS 1 link will be used Cross connect to extend the L3 circuit from internal CIL switch to e office IPC switch port	Existing will carry forward	Cross Connect 1	No Change	No Change	Existing CIL MPLS 1 link will be used Cross connect to extend the L3 circuit from internal CIL switch to e office IPC switch port	Existing will carry forward
Cross Connect 2	150	Mbps	Existing CIL MPLS 2 link will be used Cross connect to extend the L3 circuit from internal CIL switch to e office IPC switch port	Existing will carry forward	Cross Connect 2	No Change	No Change	Existing CIL MPLS 2 link will be used Cross connect to extend the L3 circuit from internal CIL switch to e office IPC switch port	Existing will carry forward
Replication Link	50	Mbps	20700GB is the total storage for 2 VMs in DR to be replicated. Assuming 1% is the daily data change including log files. i.e. 207GB data to be shipped to DR in 8hrs time to maintain 30 min RPO	Existing will carry forward	Replication Link	No Change	No Change	20700GB is the total storage for 2 VMs in DR to be replicated. Assuming 1% is the daily data change including log files. i.e. 207GB data to be shipped to DR in 8hrs time to maintain 30 min RPO	Existing will carry forward
VA & PT	5	IP address	2VMs, 1 Database instances, 1 web server, Infrastructure VA and PT for 1 external IP Frequency yearly once, remote VA and PT using shared scanner Frequency 1 per year	Changed VAPT count	VA & PT	No Change	IP address	2VMs, 1 Database instances, 1 web server, Infrastructure VA and PT for 1 external IP Frequency yearly once, remote VA and PT using shared scanner Frequency 1 per year	Changed VAPT count
SIGS + MFA + VPN	20	#	SIGS delivered under Zer value COF		SIGS + MFA + VPN	10	#	10 New SSL VPNs	Additional requierment to be priced
Database Management					New Database Management Addition				
Line Item	Unit	Qty	Remarks	Line Item	Unit	Qty	Remarks		
MongoDB	#Instances	3	DB management	MongoDB	#Instances	3	Onetime configuration and management		