946851/2021/RBCC

GOVERNMENT OF INDIA
MINISTRY OF RAILWAYS
(RAILWAY BOARD)

No. 2020/C&IS/Project/Proposals/Umbrella 2020-21/2 Pt.1. New Delhi, Dated: 11 .08.2021

The General Manager,
Northern Railway, New Delhi.

Sub:- Sanction of the work "Replacement of Existing Infrastructure of GUIDBA (Primary & DR DC)".

Ref:- CRIS's letter No. 2020/CRIS/NDLS-HQ/CC/Proj/Workpropsl/0360/Pt-1 dated 18.02.2021.

Approval of Board (M/O&BD, Member/Finance and Chairman & CEO) is hereby communicated for the work "**Replacement of Existing Infrastructure of GUIDBA (Primary & DR DC)**" of Northern Railway at a cost of Rs. 5.94 Crore (Rupees five crore and ninety four lakh only) chargeable to "DRF" under the sanctioned Umbrella '**Information Technology related works on Indian Railways**' (Pink Book Item No. 242 of 2020-21 under Northern Railway).

This work is now appearing as PB Item No. 247f of 2021-22 under Northern Railway.

Item-wise cost of the work is appended as "Annexure".

The Project Management Establishment (PME) and Implementation charges taken for the project being implemented by CRIS is under review in Railway Board. Any changes thereof, would need to be taken into account at the time of preparation/sanctioning of the Detailed Estimate of this work.

This issues with the concurrence of Finance Directorate of Ministry of Railways.

(Kuldeep Singh) 11/8/21
Director/Mech Engg(C&IS)

No. 2020/C&IS/Project/Proposals/Umbrella 2020-21/2 Pt.1. New Delhi, Dated: 11 .08.2021

Copy to :

1. The Principal Financial Adviser, Northern Railway, New Delhi.
2. Principal Director of Audit, Northern Railway, New Delhi.
3. The Dy. Comptroller and Auditor General of India (Railways), Room No. – 224, Rail Bhawan, New Delhi.

For Member Finance

Copy to :

1. The Chief Administrative Officer(PTS), Northern Railway, IRCA Building, New Delhi.
2. Managing Director/CRIS, Chanakyapuri, New Delhi.
3. F(X)-II and Budget Branches of Railway Board.

13/8/21

O/C issue fair pl.

Annexure

No. 2020/C&IS/Project/Proposals/Umbrella 2020-21/2 Pt.1. New Delhi, Dated: \ \ .08.2021

Break up of cost of the work of Replacement of existing infrastructure of PRS DR

S N	Items	Qty	Rate (Rs.)	Tax	Rate + Tax	Cost (Rs.)
1	**Hardware & System Software for GUIDBA**					
1.1	System Software					
1.1.1	Jboss EAP 7.0 Roman & ATS for 3 years for JBOSS EAP 7.0 Application server for cluster	2	1384905	249283	1634188	3268376
1.1.2	Subscription cost for Redhat Enterprise Linux servers premium with 3 years support	9	229923	41386	271309	2441781
1.1.3	Resilient Storage (1-2 sockets)	2	141423	25456	166879	333758
1.1.4	Man Days (Installation or upgradation of RHEL, RHEV and JBOSS on new System)	20	46000	8280	54280	1085600
1.1.5	Oracle Enterprise Edition	250	54197	9755	63952	15988000
1.1.6	Oracle real application cluster for primary	250	26243	4724	30967	7741750
1.1.7	ATS for RDBMS software for 3 years	3	1419766	255558	1675324	5025972
1.1.8	Man Days installation commissioning services and support	40	46000	8280	54280	2171200
1.1.9	**CRIS Implementation Charges**	**10**	**213335**	**38400**	251735	2517350
1	**Total Software Cost (1)**					**40573787**
2	**Hardware System Cost**					
2.1	Application Server Hardware and Database Server Hardware	1	913186	164373	1077559	1077559
	Total Hardware (2)					**1077559**
3	**Production Environment**					
3.1	Application Server Hardware (2 Servers for Primary and 1 for DR)	3	913186	164373	1077559	3232677
3.2	Database Server Hardware (2 Servers for Primary and 1 for DR)	3	913186	164373	1077559	3232677
3.3	Web Server for primary	2	913186	164373	1077559	2155118
3.4	Switch for Oracle heartbeat for Primary (L2 Switch)	2	33900	6102	40002	80004
	Sub Total (3)					**8700476**
4	**System Integrator Onsite Support Cost**					**3653066**
5	**Total (1 + 2 + 3 + 4)**					**54004888**
6	**CRIS D&G Charges @10%**					**5400488.80**
	Grand Total (7 + 8)					**59405376.80**
	Rounded off					**Rs.5.94 Crore**

11/8/21