

Brief Detail of Signalling Assets of Ranchi Division

Sl. No	Section	Route	SL/ DL	RE/ Non RE	No. of Stns	Standard of Interlocking	Brief Signaling asset	
1	Ex-HTE - ORGA	E	SL/ Twin SL	RE	14	Std-III@- BLRG- KRKR, ORG Std-III- MCZ-PBB	i)	Lever Operated End Cabins-(MCZ-PBB)
							ii)	EI- BLRG,LOM,KRRA,GBX,BKPR,PKF,PKC, KRKR
							iii)	Rod Operate points at MCZ-PBB
							iv)	MACLS with LEDs
							v)	Block Instrument- TLBI -MCZ-PBB BPAC -HTE-KRKR, PBB-ORG.
							vi)	UFSBI 's (12sections.) b/w HTE-BLRG, BLRG-LOM, LOM-KRRA, KRRA-GBX, GBX-BKPR, PKF-PKC, PKC-KRKR, KRKR-MCZ, MCZ-BANO, BANO-KNRN, KNRN-TAX, TAX-PBB, PBB-ORGA.
							vii)	Data Loggers (14 stations) – ORG, PBB, TAX, KNRN, BANO, MCZ, KRKR, PKC, PKF, BKPR, GBX, KRRA, LOM, BLRG.
							viii)	IPS/Mini-IPS – BLRG, LOM, KRRA, GBX, BKPR, PKF, PKC, KRKR, ORGA Inverter – MCZ, BANO, KNRN, TAX, PBB
							ix)	SSDAC - HTE-KRKR
2	HTE-JAA	E- HTE- MURI . D- MURI -JAA	DL	RE	12	Std-I- HTE, Std-II@- RNC, NKM, GAG, KITA Std-III- TIS, Std-III- GATD, JONA, SLF	i)	EI - MURI, GAG, HTE, RNC.
							ii)	PI - NKM, TIS, GATD, JONA, KITA, SLF, THO, JAA.
							iii)	Autosignalling - RNC-NKM-TIS section
							iv)	IBS between KITA-GATD (UP), GATD-GAG (UP),GAG-JONA (DN), JONA-KITA (DN) & JAA-KSX (DN) with UFSBI & BPAC.
							v)	MACLS with LEDs
							vi)	Block Instruments- (a) DLBI s in HTE-SLF & THO-JAA Sec. (b) Block Panel with BPAC b/w MURI-THO, MURI-SLF.
							vii)	UFSBI 's b/w KITA-UP IBH, KITA-GATD, GATD-IBH, GATD-GAG, JAA-DN IBH, JAA-KSX, MURI-THO, MURI-SLF, JONA-KITA, JONA-IB, GAG-JONA, GAG-DN IB.

							viii)	IPS- HTE, RNC, NKM, TIS, GAG, GATD, JONA, KITA, SLF, MURI, THO, JAA.
							ix)	Data Loggers – HTE, RNC, NKM, TIS, GAG, GATD, JONA, KITA, SLF, MURI, THO, JAA
							x)	Analog Axle Counters in Stn. Yard – NKM, MURI
							xi)	SSDAC:- All block sections- HTE-KSX with dual detection.
							xii)	MSDAC- HTE, RNC, NKM, TIS
Sl. No	Section	Route	SL/DL	RE/Non RE	No. of Stns	Standard of Interlocking	Brief Signaling asset	
3	Ex - RNC-Ex TORI	E	SL	RE	6	Std-II®-LAD, BODG, Std-III-BICI, NJA, TGB, PIS.	i)	PI- TGB, NJA, LAD, BICI, BODG
							ii)	EI- PIS
							iii)	MACLS with LEDs
							iv)	Block Instruments- (a) TLBIs in RNC-PIS, TGB-LAD section (b) Block Panel with BPAC b/w PIS-TGB, LAD-BICI, BICI-BODG, BODG-TORI.
							v)	BPAC- RNC –TORI section with dual detection.
							vi)	UFSBI's b/w RNC-PIS, PIS-TGB, TGB-NJA, NJA-LAD, LAD-BICI, BICI-BODG & BODG-TORI.
							vii)	IPS- PIS, NJA, TGB, LAD, BICI, BODG
							viii)	Data Loggers –PIS, TGB, NJA, LAD, BICI, BODG
							viii)	Solar power supply- PIS, TGB, NJA
4	Ex-CNI-BRKA-Ex-MURI	D-CNI-MURI-BRKA	SL	RE	13	Std-II®-HRBR, BRKP, MAEL, RMT, ILO, TRAN, SSIA, LTMD, GDBR Std- II-BLNG,	i)	EI- GRE, ILO, TRAN, SSIA, LTMD, JHMR, GDBR
							ii)	PI- TUL, BLNG, HRBR, BRKP, MAEL, RMT
							iii)	Lever Operated End Cabins-NIL
							iv)	MACLS with LEDs

						JHMR Std- III- GRE, TUL	v)	Block Instruments- (a) TLBIs in THO-KSX Section (b) Block Panel with BPAC b/w MURI-THO, MURI-CNI & MURI-BRKA
							vi)	BPAC b/w MURI-BRKA, MURI-KSX, MURI-CNI sectionwith dual detection,
							vii)	UFSBI's b/w MURI -BRKA, MURI- CNI.
							viii)	IPS- ILO, TRAN, SSIA, TUL, LTMD, JHMR, GDBR, BLNG, HRBR, GRE, BRKP, MAEL, RMT.
							ix)	Data Loggers – ILO-GDBR Sec. & BLNG-RMT Sec.
							x)	Analog Axle Counters in Stn. Yard –GRE.
							xi)	MSDAC- ILO, TRAN, SSIA, LTMD, JHMR, GDBR
							xii)	Solar power supply- BLNG, HRBR, GRE, BRKP, MAEL, RMT

Brief Detail of Telecom Assets of Ranchi Division

Sl. No	Section	Route	SL/DL	RE/Non RE	No. of Stations	Brief Telecom asset
1	Ex-HTE-ORGA	E	Twin SL	RE	14	i) SDH and PDH Equipment ii) Control Phone, LC gate voice logger phone iii) Railway Auto Phone iv) PA System v) 25 Watt VHF Set vi) UTS at all stations. vii) PRS at GBX, PKF & BANO. viii) Wi-Fi at all stations. ix) SCADA communication facility at LOM/TSS,KRRA-SP,GBX-SSP,BKPR-SSP,PKC-SSP,KRKR-SP,MCZ-SSP,BANO-TSS,KNRN-SSP,TAX-SP,PBB-SSP. x) Two way counter communication system at all UTS counters. xi) Digital PF Clock at all stations. xii) Railnet through OFC(GPON)-GBX,BANO.
2	HTE-JAA	E-HTE-MURI D-MURI-JAA	DL	RE	12	i) SDH and PDH Equipment ii) Control Phone, LC gate voice logger, magneto ph iii) Railway Auto Phone iv) PA System v) 25 Watt VHF Set vi) Telephone Exchange at HTE,RNC,MURI vii) MLTIB at RNC,HTE and MURI viii) TIB, CIB, CGDB, Auto Announcement at RNC, HTE & MURI ix) NTES at HTE & RNC x) UTS at all stations. xi) PRS at HTE, RNC, NKM, TIS, MURI & JAA. xii) FOIS at HTE, RNC, NKM, TIS and MURI xiii) ART at HTE xiv) 5 Watt VHF set for Gd-Dr Communication xv) CCTV at HTE under VSS, RNC and MURI stations under ISS. xvi) CCTV at HTE, RNC, NKM, LAD, JAA for PRS/UTS. xvi) TCDS at RNC & HTE. xvii) Wi-Fi at all stations. xviii) SCADA communication facility at HTE-SP,RNC-SSP,TIS-TSS,GAG-SSP,GATD-SSP,JONA-SSP,KITA-SSP,SLF-SP,MURI-TSS,HINDALCO-

						SSP,JAA-SP/SSP. xix) Wi-Fi and CCTV at Divisional Hospital HTE. xx) Digital Museum at RNC. xxi) Two way counter communication system at all UTS-PRS counters. xxii) Tower clock at RNC,HTE and MURI xxiv)Digital PF Clock at all stations. xxxv)Railnet through OFC(GPON)-TIS,RMT,JAA,GRE,
Sl. No	Section	Route	SL/DL	RE/Non RE	No. of Stations	Brief Telecom asset
3	Ex - RNC-Ex TORI	E	SL	RE	6	i) SDH and PDH Equipment ii) Control Phone, LC gate phone iii) Railway Auto Phone iv) PA System v) 25 Watt VHF Set vi) UTS at all stations vii) PRS at LAD. viii) FOIS at LAD. ix) Wi-Fi facility at all stations. x) SCADA communication facility at RNC-SP,PIS-TSS,TGB-SSP,NRKP-SSP,NJA-SP,IRGAON-SSP,LAD-TSS,BICI-SSP,BODG-SSP,TORI-SP. xi) CCTV at LAD for UTS/PRS. xii) Two way counter communication system at all UTS-PRS counters. xiii) Digital PF Clock at all stations. xiv) Railnet through OFC(GPON)-LAD

4	Ex-CNI-Ex-BRK A-Ex-MURI	D-CNI-MURI - BRK A	SL	RE	13 i) SDH and PDH Equipment ii) Control Phone, LC gate phone iii) Railway Auto Phone iv) PA System v) 25 Watt VHF Set vi) UTS at all stations vii) PRS at RMT, TRAN, SSIA & TUL. viii) Wi-Fi facility at all stations. ix) V-SAT at RWP for FOIS. x) SCADA communication facility at BRKP-SSP, GRE-SP, SND-SSP, TRAN-SSP, TUL-SP, JHMR-SSP xi) CCTV at RMT and JAA for UTS/PRS. xii) FOIS at GRE, MAEL EIMWB. xiii) Two way counter communication system at all UTS-PRS counters. xiv) Digital PF Clock at all stations. xv) Railnet through OFC(GPON)-TUL, SSIA
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