


132/33 KV GSS Hajipur

GSS land assets

LOCATION		
01	Name of GSS	132/33 KV Grid, Sub-Station, Hajipur
02	Located at (Name of locality)	Dighi Kalan, Hajipur
03	Block/ Prakhanda	Hajipur
04	Police Station (Thana)	Hajipur, Sadar
05	Sub-Division	Hajipur
06	District	Vaishali
07	Transmission Division	Hajipur
08	Transmission Circle	Muzaffarpur
09	GPS Co-ordinates	Latitude- 25°71'75" Longitude- 85° 23' 61"
LAND DETAILS		
10	Initial Area (In Acre)	10 Acre 17 dismil
11	Whether it was:	
	(i) A Govt. Land (State type GM or)	
	(ii) Private Land	Yes
	If Private Land, whether	
	(i) Purchased	
	(ii) Acquired	Yes
	(iii) Leased land	
12	Year of Purchase/Acquisition	30-09-1977
13	Whether mutation completed	No
14	Cost of land (at the time of procurement)	
15	Whether more land was purchased / acquired/leased in for GSS extension work? If yes, give details.	No
16	Area of extra land for GSS	
17	Cost	
18	Year of Purchase/ Lease of extra land	
19	Total area at present	10 acre 17 dismil
	Details of land (Khata/Khesra)	1/2433,2/2308,3/2426,4/2430,5/2432,6/2431,7/2421,7/ A/2421,8/2429,9/2422,10/2428,11/2427,12/2424,13/24 25,13/B/2425,14/2393,15/2413,16/2423,17/2414,18/24 15,19/2416,20/2417,21/2421,22/2418,23/2419,24/2420 ,22/A/2418,25/2420,26/2419,27/2418,28/2409,29/2408, 30/2407,31/2406,32/2403,33/2402,34/2401,35/2400,36 /2399,37/2410,38/2411,39/2412,40/2395,41/2396,42/2 384,43/2383,44/2385,45/2390,46/2391,47/2394,48/239 2,49/2393,50/2362,51/2363,52/2366,53/2389,54/2388, 50/A/2362,55/2387,55/A/2387,6/A/2421,13/A/2361,51/ A/2365,56/2386
	Thana no.	105

	Name of Municipality/ Nagar Parishad etc.	
	Ward no./ circle no./ holding no.	
	Amount of early land related taxes	
	Taxes clear upto	
20	Land records available with	

1

10.11.18
Assistant Executive Engineer
Bihar State Power Transmission Co. Ltd
Trans.-S/D No.-1, Hajipur (Vaishali)

Details of Existing Equipment

Name of Circle: - Muzaffarpur

Name of GSS:-132/33 KV GSS, Hajipur

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
(1.) 132 KV Line Bay	Hajipur Ckt 1	Line control & relay panel with distance protection & O/C E/F protection	1	Universal Electricals Ltd	
		3-phase Circuit Breaker	1	CGL	30-02-2013
		1-Ph CVT	2	Areva	
		LA	3	Elektrolites	
		1-Ph Current Transformer	1	SCT Limited	19-11-2016
			1	VTS Pvt Ltd.	01-08-2018
			1	Mehru	NA
		3 Phase isolator without Earth switch	2 set 1 set	The Best Tower (P) Ltd. NA	NA
	Wave Trap	2	NA	NA	
	Hajipur Ckt 2	Line control & relay panel with distance protection & O/C E/F protection	1	Universal Electricals Ltd	NA
		3- phase Circuit Breaker	1	CGL	30-02-2013
		1-Ph CVT	2	Areva	
		LA	3	Elektrolites	
		1-Ph Current Transformer	3	SCT Limited	30-05-2017
3 Phase isolator without Earth switch		2 set 1 set	The Best Tower (P) Ltd.	NA	
Wave Trap		2			

Details of Existing Equipment

Name of Circle: - Muzaffarpur

Name of GSS:-132/33 KV GSS, Hajipur

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning	
(1.) 132 KV Line Bay	Hajipur Ckt 1	Line control & relay panel with distance protection & O/C E/F protection	1	Universal Electricals Ltd		
		3-phase Circuit Breaker	1	CGL	30-02-2013	
		1-Ph CVT	2	Areva		
		LA	3	Elektrolites		
		1-Ph Current Transformer	1	SCT Limited	19-11-2016	
			1	VTS Pvt Ltd	01-08-2018	
			1	Mehru	NA	
		3 Phase isolator without Earth switch	2 set	The Best Tower (P) Ltd.	NA	
			1 set	NA		
		Wave Trap	2	NA	NA	
		Hajipur Ckt 2	Line control & relay panel with distance protection & O/C E/F protection	1	Universal Electricals Ltd	NA
			3- phase Circuit Breaker	1	CGL	30-02-2013
			1-Ph CVT	2	Areva	
	LA		3	Elektrolites		
	1-Ph Current Transformer		3	SCT Limited	30-05-2017	
	3 Phase isolator without Earth switch		2 set	The Best Tower (P) Ltd.	NA	
		1 set				
		Wave Trap	2			

Samastipur Bay	Line control & relay panel with distance protection & O/C E/F protection	1	English Electric	NA
	3- phase Circuit Breaker	1	CGL	21-10-2011
	1-Ph CVT	1	Hindustan Brown Boveri	
	LA	2	Elpro International Ltd	
	1-Ph Current Transformer	3	ASEA	
	3 Phase isolator without Earth switch	3 set	Switchgear MFG Co. (P)Ltd.	
	Wave Trap	2		
	Chhapra Bay	Line control & relay panel with distance protection & O/C E/F protection	1	English Electric
3- phase Circuit Breaker	1	CGL		
1-Ph CVT	1	Hindustan Brown Boweri		
1-Ph Current Transformer	3	VTS Pvt Ltd	12-05-2018	
3 Phase isolator without Earth switch	3	-		
Wave Trap	1			
132/33 KV Transforme	50 MVA Transformer No.1 Transformer control and relay Panel with Differential Protection & O/C E/F protection	1	C & S Electrical	14-05-2015

(2.) 132/33 KV Transformer bay(HV)		3 phase Circuit Breaker	1	Siemens	15-05-2015		
		LA	3	Oblum Electrical India Pvt. Ltd.			
		1-Ph Current Transformer	3	SCT Limited	15-05-2015		
		3 Phase isolator without Earth switch	3 set	Switchgear MFG Co(P)Ltd	-----		
	50 MVA Transformer No.2		Transformer control and relay Panel with Differential Protection & O/C E/F protection		C & S Electrical	04-08-2015	
			3-phase Circuit Breaker	1	Siemens	04-08-2015	
			LA	3	LAMCO Ind. Pvt. Ltd		
			1-Ph Current Transformer	3	Hindustan Brown Boveri		
			3 Phase isolator without Earth switch	3 set	Switchgear MFG Co(P)Ltd		
		50 MVA Transformer No. 3		Transformer control and relay Panel with Differential Protection & O/C E/F protection	1	Easun Reyrolle	Nov 2010
				3 phase Circuit Breaker	1	Siemens	12-10-2014
			LA	2	Elpro International Ltd Crompton Greaves		
			1-Ph Current Transformer	3	Crompton Greaves		
			3 Phase isolator	3 set	Elpro International Ltd		

(2.) 132/33 KV Transformer bay(HV)		3 phase Circuit Breaker	1	Siemens	15-05-2015
		LA	3	Oblum Electrical India Pvt. Ltd.	
		1-Ph Current Transformer	3	SCT Limited	15-05-2015
		3 Phase isolator without Earth switch	3 set	Switchgear MFG Co(P)Ltd	-----
	50 MVA Transformer No.2	Transformer control and relay Panel with Differential Protection & O/C E/F protection		C & S Electrical	04-08-2015
		3-phase Circuit Breaker	1	Siemens	04-08-2015
		LA	3	LAMCO Ind. Pvt. Ltd	
		1-Ph Current Transformer	3	Hindustan Brown Boveri	
		3 Phase isolator without Earth switch	3 set	Switchgear MFG Co(P)Ltd	
	50 MVA Transformer No. 3	Transformer control and relay Panel with Differential Protection & O/C E/F protection	1	Easun Reyrolle	Nov 2010
		3 phase Circuit Breaker	1	Siemens	12-10-2014
		LA	2	Elpro International Ltd Crompton Greaves	
		1-Ph Current Transformer	3	Crompton Greaves	
		3 Phase isolator	3 set	Elpro International Ltd	

		without Earth switch			
(3)132/33 KV Transformer Bay (LV)	50 MVA Transformer No. 1	Transformer control and relay Panel with Differential Protection & O/C E/F protection	1	C & S Electrical	14-05-2015
		3 phase Circuit Breaker	1	CGL	
		LA	3	Crompton Greaves	
		1-Ph Current Transformer	3	SCT Ltd.	
		3 Phase isolator without Earth switch	3 set	Elektrolites	
(3.) 132/33 KV Transformer bay (LV)	50 MVA Transformer No. 2	Transformer control and relay Panel with Differential Protection & O/C E/F protection	1	C & S Electrical	04-08-2015
		3 phase Circuit Breaker	1	CGL	
		LA	3		
		1-Ph Current Transformer	3	SCT Ltd.	
		3 Phase isolator without Earth switch	3	Elektrolites	
		Transformer control and relay Panel with Differential Protection & O/C E/F protection	1	Easun Reyrolle Ltd	Nov 2010

Feeder					
	Dighi	& relay panel with distance Protection & O/C E/F protection			
		3 phase Circuit Breaker	1	CGL	
		1-Ph Current Transformer	3	SCT Ltd.	
		3 Phase isolator without Earth switch	3	Elektrolites	
	Railway	Line control & relay panel with distance protection & O/C E/F protection	1	Universal Electrical Ltd	
		3 phase Circuit Breaker	1	Alstom	
		1-Ph Current Transformer	3	SCT Ltd.	
		3 Phase isolator without Earth switch	3	The Best Tower(P)Ltd	
	EPIP	Line control & relay panel with distance protection & O/C E/F protection	1	C & S Electrical	
		3 phase Circuit Breaker	1	CGL	
		1-Ph CT	3	SCT Ltd.	
		3 Phase isolator without Earth switch	3	Elektrolites	
		Line control	1	Universal Electrical Ltd	

		& relay panel with distance protection & O/C E/F protection			
	Bidupur	3 phase Circuit Breaker	1	Megawin	
		1-Ph Current Transformer	1 2	Mehru SCT Ltd	30-06-2015
		3 Phase isolator without Earth switch	3	----	
	Hajipur II (konhara)	control & relay panel with distance protection & O/C E/F protection	1	C & S Electrical	
		3 phase Circuit Breaker	1	CGL	
		1-Ph Current Transformer	3	SCT Ltd	
		3 Phase isolator with Earth switch	3	Elektrolites	
	Rajapakar	control & relay panel with distance protection & O/C E/F protection	1	Venson Electric	
		3 phase Circuit Breaker	1	CGL	
		1-Ph Current Transformer	3	Mehru	
		3 Phase isolator with Earth switch	3	Faraday Electricals Pvt Ltd	
	Sarai	control & relay panel	1	Venson Electric	

	with distance protection & O/C E/F protection			
	3 Phase circuit Breaker	1	Siemens	
	1-Ph Current Transformer	3	Mehru	
	3 Phase isolator with Earth switch	3	Faraday Electricals Pvt Ltd	
Hajipur I (Sonpur)	control & relay panel with distance protection & O/C E/F protection	1	Universal Electrical Ltd	
	3 Phase circuit Breaker	1	Siemens	02-07-2018
	1-Ph Current Transformer	1	SCT Ltd	05-10-2013
		2	Advent Engineers	
	3 Phase isolator without Earth switch	2	Faraday Electrical Ltd	
		1	---	
Paswan Chawk	control & relay panel with distance protection & O/C E/F protection	1	Universal Electrical Ltd	
	3 Phase circuit Breaker	1	CGL	09-07-2013
	1-Ph Current Transformer	3	Floral Electrical Pvt Ltd	
	3 Phase isolator without Earth switch	2	Switchgear Co. (P) Ltd	
		1	----	
33 KV of 220 KV Hajipur I	control & relay panel	1	Easun Reyrolle Ltd	


	with distance protection & O/C E/F protection			
	3 Phase circuit Breaker	1	CGL	
	1-Ph Current Transformer	3	Mehru	
	3 Phase isolator without Earth switch	3	Switchgear & Structural (India) Pvt Ltd	
33 KV of 220 KV Hajipur II	control & relay panel with distance protection & O/C E/F protection	1	Easun Reyrolle Ltd	
	3 Phase circuit Breaker	1	CGL	
	1-Ph Current Transformer	3	Mehru	
	3 Phase isolator without Earth switch	3	Switchgear & Structural (India) Pvt Ltd	
Buscoupler I	control & relay panel with distance protection & O/C E/F protection	1	Universal Electrical Ltd	
	3 Phase circuit Breaker	1	ALIND Switchgear	
	1-Ph Current Transformer	3	Floral Electrical Pvt Ltd	
	3 Phase isolator without Earth switch	3	-----	
	PT	1	CGL	

		2	Vijai Electrical Ltd	
Buscoupler II	control & relay panel with distance protection & O/C E/F protection	1	Easun Reyrolle Ltd	
	3 Phase circuit Breaker	1	CGL	
	1-Ph Current Transformer	3	Mehru	
	3 Phase isolator without Earth switch	3	Switchgear & Structural (India) Pvt Ltd	
Spare Bay I	control & relay panel with distance protection & O/C E/F protection		Venson Electric	
	3 Phase circuit Breaker	1	ABB	
	1-Ph Current Transformer		KAPCO Electric (P) Ltd	
	3 Phase isolator without Earth switch		Faraday Electrical (P) Ltd	
Spare Bay II	control & relay panel with distance protection & O/C E/F protection	1	C & S Electrical	
	3 Phase circuit Breaker	1	CGL	
	1-Ph Current Transformer	3	SCT Ltd	
	3 Phase isolator with	3	Elektrolites	

	Earth switch			
33 KV High Level Isolator	33 KV High Level Isolator	2	G R Power Switchgear Ltd	16-09-2017

Other Substation Equipments-

Sl. no	Equipment name	Quantity	Make	Date of commissioning
1	50 MVA transformer no.1	1	CGL	14-15-2015
2	50 MVA transformer no.2	1	CGL	04-08-2015
3	50 MVA transformer no.3	1	EMCO Ltd	Nov 2010
4	Battery charger	250 V 1 1	Siemens HBL	
5	DCDB	250 V 250 V 1 1	UNILEC Vikas Power Equipment (p) Ltd	
6	ACDB	415 V 415 V 1 1	UNILEC Vikas Power Equipment (p) Ltd	
7	Battery bank	250 V,200AH 250 V,300AH 1 1	HBL HBL	
8	DG set	Not Available		
9	132 KV Discharging Rod 33 KV Discharging Rod	1 3		
10	Safety gear	Helmet Boot Hand Gloves 2 2 set 1		
12	SST (315KVA)	1		


 10.11.18

Assistant Executive Engineer
 Bihar State Power Transmission Co, Ltd
 Trans.-S/D No.-1, Haibour (Vaishali)

Sample format for GSS land assets

GSS:- JANDAHA

	LOCATION	JANDAHA
01	Name of GSS	132/33KV GSS JANDAHA
02	Located at (Name of locality)	Kalapahar, Salha
03	Block/Prakhand	Jandaha
04	Police Station (Thana)	Jandaha
05	Sub-Division	Mahua
06	District	Vaishali
07	Transmission Division	Hajipur
08	Transmission Circle	Muzaffarpur
09	GPS Co-ordinates	Lat- 25°42'33" Long- 85°30'0"
	LAND DETAILS	
10	Initial Area (In Acre)	7.56
11	Whether it was:	
	(i) A Govt Land (State type GM or)	
	(ii) Private Land	Yes
	If Private Land, Whether	
	(i) Purchased	
	(ii) Acquired	Yes
	(iii) Leased Land	
12	Year of Purchase/Acquisition	13.04.2012
13	Whether mutation completed	YES
14	Cost of the Land (At the time of procurement)	Not Available
15	Whether more land was purchased /acquired/ Leased in for GSS Extension work? If yes, Give details	No
16	Area of the extra land for GSS	
17	Cost	
20	Year of Purchase/lease of extra land	
21	Total area at present	7.56 acre
	Details of Land (Khata/Khesara)	Khata & Khesara (Both
	Thana No.	603
	Name of Municipality/Nagar Parishad etc	
	Ward No. /Circle No. / Holding No.	
	Amount of Early Land related Taxes	
	Taxes clear up to	
22	Land Records available with	

Pinki Kumari
10.11.18

Assistant Electrical Engineer
Grid Sub Station Jandaha

Details of Existing Equipment

Name of Circle: Muzaffarpur Name of GSS: 132/88 KV GSS JANDAMA

Sl. No.	Voltage Level	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
	220 KV Line Bay	1st bay	Line control & relay panel with Distance protection & O/C E/F protection			
			3 Phase Circuit Breaker			
			1 Ph CVT			
			LA			
			1 Ph Current Transformer			
		3 Phase Isolator with/without Earth switch				
		2nd bay	Line control & relay panel with Distance protection & O/C E/F protection			
			3 Phase Circuit Breaker			
			1 Ph CVT			
			LA			
1-Ph Current Transformer						
3 Phase Isolator with/without Earth switch						
220/132 KV Transformer bay (HV)	1st bay	Transformer control & relay panel with Differential protection & O/C E/F protection				
		3 Phase Circuit Breaker				
		LA				
		1-Ph Current Transformer				
3 Phase Isolator with/without Earth switch						
220/132 KV Transformer bay (LV)		Transformer control & relay panel with Differential protection & O/C E/F protection				
		3 Phase Circuit Breaker				
		LA				
		1-Ph Current Transformer				
3 Phase Isolator with/without Earth switch						
132 Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection				
		3 Phase Circuit Breaker				
		1 Ph PT				
		LA				
1 Ph Current Transformer						
3 Phase Isolator with/without Earth switch						
132 KV Line bay		Line control & relay panel with Distance protection & O/C E/F protection	03	GE MULTILIN Micom	22.02.2014 (02 Line bay) 03.09.2016 (Mahnar)	
		3 Phase Circuit Breaker	03	CGIL, Siemens		
		1 Ph CVT	09	CGIL, ALSTOM		
		LA	09	CGIL, LAMCO		
		1 Ph Current Transformer	09	LAMCO, SCT Ltd		
		3 Phase Isolator with/without Earth switch	09	S&S, FELD		
132/33 KV Transformer bay (HV)		Transformer control & relay panel with Differential protection & O/C E/F protection	03	Micom GEMultilin	22.02.2014 (20MVA) 22.09.2017 (50MVA)	
		3 Phase Circuit Breaker	09	CGIL		
		LA	09	CGIL		
		1 Ph Current Transformer	09	LAMCO, SCT Ltd		
		3 Phase Isolator with/without Earth switch	09	S&S, RK Engineer		

132/33KV Transformer DAYLVI	Transformer control & relay panel with Differential protection & O/C/E/F protection	03	GE Multilin(02) 22-02-2014 (20MVA) Micom(01) 22-09-2017(50MVA)
	3 Phase Circuit Breaker	03	CGL
	LA	03	CGL
	1-Ph Current Transformer	03	SCT Ltd
	3 Phase Isolator with/without Earth switch	03	J.D Electrical
132 kV Buscoupler DAY	Line control & relay panel with Distance protection & O/C/E/F protection	01	GE Mullin 22-02-2014
	3 Phase Circuit Breaker	01	CGL
	1 Ph PT	03	LAMCO
	LA	03	
	1-Ph Current Transformer	03	LAMCO
	3 Phase Isolator with/without Earth switch	01	SRS Ltd
33 kV Feeder	Line Control & relay panel with O/C/E/F protection	06	GE Multilin(05) 22-02-2014 (05 feed) Micom(01) 14.05.2015 (Desri bay)
	3 Phase Circuit Breaker	06	CGL, ABB, Siemens Stetmec
	LA	18	CGL
	1-Ph Current Transformer	18	KAPCO Electrical LAMCO, SCT Ltd
	3 Phase Isolator with/without Earth switch	06	Elektrolis Ltd FARADAY Elect Ltd.
33 kV Buscoupler	Line control & relay panel with Distance protection & O/C/E/F protection	01	GE Multilin 22-02-2014
	3 Phase Circuit Breaker	01	CGL
	1 Ph PT	03	LAMCO
	LA	03	CGL
	1-Ph Current Transformer	03	LAMCO
	3 Phase Isolator with/without Earth switch	01	Elektrolis Ltd.
Other Substation Equipments -			
External Charge	1 250V 2 40V	02	HBL 22-02-2014
ACDB		01	HBL
DCDB 110V/48V		01	Vikas Power Eqpt Ltd.
Battery bank	1 02 (or Not working) 250V 2 48V	02+01	"
DG set	(Not working)	02	
		01	Powerica
PCC Equipment	1 Isolator		
	2 Battery Charge		
	3 Panel	04	CGL, ABB, Powcom 02-06-2017
	4 telephone	02	BEETEL, TELE TECH LTD.
Hydrant system with Pipe arrangement		24	CHAWLA, Ltd
Fire Fighting Equipment		04	
Earthing Rods		06	TAPARIA
Tools & Tackles (Spanners, Wrench, etc) (Set/Piece)		02	MEGIABRAS KUSAM-MECA
Testing Equipments		04, 02 par,	
Safety Gear (Helmet, Gloves, Boot, etc.)		01	EAST INDIA UDYOG LIMITED
SST			
Spare Hardware Fitting			

Pinki Kumari
10.11.18
Assistant Electrical Engineer
Grid Sub Station Jandaha

132/33 GIRID SUB-STATION MAHAR

132 KV Line bay	Line control & relay panel with Distance protection & O/C E/F protection	02	SEL	08-08-2016
	3 Phase Circuit Breaker	02	ABB	-Do-
	1 Ph CVT	06	CGIL	-Do-
	LA	06	LAMPKO	-Do-
	1-Ph Current Transformer	06	SCT	-Do-
132/33 KV Transformer bay(HV)	3 Phase Isolator with/without Earth switch	06	FARADAY	-Do-
	Transformer control & relay panel with Differential protection & O/C E/F protection	02	SEL	-Do-
	3 Phase Circuit Breaker	02	ABB	-Do-
	LA	06	LAMPKO	-Do-
	1-Ph Current Transformer	06	SCT	-Do-
132/33 KV Transformer bay(LV)	3 Phase Isolator with/without Earth switch	06	FARADAY	-Do-
	Transformer control & relay panel with Differential protection & O/C E/F protection	-	-	
	3 Phase Circuit Breaker	02	SCHNIDER	-Do-
	LA	06	LAMPKO	-Do-
	1-Ph Current Transformer	06	SCT	-Do-
132 KV Buscoupler bay	3 Phase Isolator with/without Earth switch	06	FARADAY	-Do-
	Line control & relay panel with Distance protection & O/C E/F protection	01	SEL	-Do-
	3 Phase Circuit Breaker	01	ABB	-Do-
	1 Ph PT	03	SCT	-Do-
	LA	NIL	-	-Do-
33 KV Feeder	1-Ph Current Transformer	03	SCT	-Do-
	3 Phase Isolator with/without Earth switch	03	FARADAY	-Do-
	Line control & relay panel with O/C E/F protection	04	SEL	-Do-
	3 Phase Circuit Breaker	04	SCHNIDER	-Do-
	LA	12	LAMPKO	-Do-
33 KV Buscoupler	1-Ph Current Transformer	12	SCT	-Do-
	3 Phase Isolator with/without Earth switch	14	FARADAY	-Do-
	Line control & relay panel with Distance protection & O/C E/F protection	01	SEL	-Do-
	3 Phase Circuit Breaker	01	SCHNIDER	-Do-
	1 Ph PT	03	SCT	-Do-
33 KV Buscoupler	LA			
	1-Ph Current Transformer	03	SCT	-Do-
	3 Phase Isolator with/without Earth switch	03	FARADAY	-Do-

Other Substation Equipments -					
Battery Charger	1	250V	02	CHLORIDE	08-08-2016
	2	48V	02	CHLORIDE	
	ACDB		01	ASPL	08-08-2016
	DCDB(150V/48V)		02 (01+01)	ASPL	
Battery bank	1	250V	02	EXCIDE	08-08-2016
	2	48V	02	EXCIDE	
	DG set		01	JAKSON	
PLCC Equipment	1. Isolator		-	-	
	2. Battery Charger (48V)		02	CHLORIDE	
	3. Panel		04	GOIL	02-06-2017
	4. telephone		04	-	
Hydrant system with Pipe arrangement			-	-	
Fire Fighting Equipment			12	GIUNNEBO	
Earthing Rods			06	-	
Tools & Tackles (Spanners, Wrench... etc.) (Set/Piece)			-	-	
Testing Equipments					
Safety Gear (Helmet, Gloves, Boot, etc.)			-	-	
	SST		02	1) JAKSON 2) TEGA	02-11-2017 08-08-2016
Spare Hardware Fitting.			-	-	

Testing Equipment

a) MULTIMETER	01	MOTWANE
b) IR-TESTER	01	WACO
c) VOLTAGE & FREQUENCY RECORDER	01	SEL
d) BDV OIL TEST KIT	01	MOTWANE

Sample format for GSS land assets

GSS:- 132/33KV GSS MAHNAR

LOCATION			
01	Name of GSS	132/33KV GSS Mahnar	
02	Located at (Name of locality)	Sahadei Buzurj	
03	Block/Prakhhand	Sahadei	
04	Police Station (Thana)	Desari	
05	Sub-Division	Mahnar	
06	District	Vaishali	
07	Transmission Division	Hajipur	
08	Transmission Circle	Muzaffarpur	
09	GPS Co-ordinates	22°39'41.5"E 85°27'01.44"N	
LAND DETAILS			
10	Initial Area (In Acre)	3.66 Acres	
11	Whether it was:		
	(i) A Govt. Land (State type GM or)	Govt.	
	(ii) Private Land		
	If Private Land, Whether		
	(i) Purchased		
	(ii) Acquired		
	(iii) Leased Land		
12	Year of Purchase/Acquisition		
13	Whether mutation completed	No	
14	Cost of the Land (At the time of procurement)	Rs 4,03,19,560/-	
15	Whether more land was purchased /acquired/ Leased in for GSS Extension work? If yes, Give details	No	
16	Area of the extra land for GSS		
17	Cost		
20	Year of Purchase/lease of extra land		
21	Total area at present	3.66 Acres	
	Details of Land (Khata/Khesara)	Khata	khesara
		147	1457
		209	1458
		45	1459
		269	1460
		151	1461
		390	1463
		109	1474

		256	1473
		269	1415
		428	1472
		351	1470
		3	1471
		125	1464
		129	1476,1475,1715,1455
	Thana No.	528	
	Name of Municipality/Nagar Parishad etc.		
	Ward No./Circle No./ Holding No.		
	Amount of Early Land related Taxes		
	Taxes clear up to		
22	Land Records available with		

Final
Kayman
 10/11/18
 Assistant Electrical Engineer
 Bihar State Power Transmission Co. Ltd
 Grid Sub Station Mainar (Vaishali)

Details of existing equipment

Name of Circle- Transmission Circle, Muzaffarpur,

Name of GSS- 132/33 KV GSS, SHEOHAR

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
1.	132 KV SITAMARHI-SHEOHAR	Line control & relay panel with distance protection & O/C & E/F protection	01 &01	SEL	09.08.2016
		3-phase Circuit Breaker	01	SIEMENS	19.07.2016
		1-ph CVT	03	ALSTOM	12.07.2016
		LA	03	LAMKO	09.08.2016
		1-ph current transformer	03	SCT limited	27.07.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	09.08.2016
2.	132 KV SHEOHAR-DHAKA	Line control & relay panel with distance protection & O/C & E/F protection	01 &01	SEL	09.08.2016
		3-phase Circuit Breaker	01	Siemens	19.07.2016
		1-ph CVT	03	ALSTOM	12.07.2016
		LA	03	LAMKO	09.08.2016
		1-ph current transformer	03	SCT limited	27.07.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	09.08.2016
3.	132 KV SPARE LINE BAY-1	Line control & relay panel with distance protection & O/C & E/F protection	01 &01	SEL	27.10.2016
		3-phase Circuit Breaker	01	Siemens	12.09.2016
		1-ph CVT	03	ALSTOM	19.07.2016
		LA	03	LAMKO	01.08.2016
		1-ph current transformer	03	SCT limited	22.08.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	09.09.2016
4.	132 KV SPARE LINE BAY-2	Line control & relay panel with distance protection & O/C & E/F protection	01 &01	SEL	27.10.2016
		3-phase Circuit Breaker	01	Siemens	12.09.2016
		1-ph CVT	03	ALSTOM	19.07.2016
		LA	03	LAMKO	01.08.2016
		1-ph current transformer	03	SCT limited	22.08.2016
		3-ph isolator with/without earth switch		FARADAY	09.09.2016
5.	50 MVA Transformer No-I	Transformer Control & relay panel with Differential Protection & O/C E/F Protection	01 &01	SEL	09.08.2016
		50 MVA POWER TRANSFORMER-1	01	ECE	09.08.2016
		3-phase Circuit Breaker	01	Siemens	09.08.2016
		LA	03	LAMKO	01.08.2016/24.08.18
		1-ph current transformer	03	SCT	22.08.2016

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		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	09.09.2016
6.	50 MVA Transformer No-II	Transformer Control & relay panel with Differential Protection & O/C E/F Protection	01 & 01	SEL	27.10.2016
		50 MVA POWER TRANSFORMER-2	01	ECE	27.10.2016
		3-phase Circuit Breaker	01	SIEMENS	22.07.16
		LA	03	LAMKO	13.08.16
		1-ph current transformer	03	SCT limited	12.09.16
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	20.10.16
7.	132 KV Bus Coupler	Line control & relay panel with distance protection & O/C & E/F protection	01 & 01	SEL	09.08.2016
		3-phase Circuit Breaker	01	SIEMENS	19.07.2016
		1-ph potential transformer	03	SCT LTD.	12.07.2016
		1-ph current transformer	03	SCT LTD.	09.08.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	27.07.2016
8.	33 KV SHEOHAR	Line control & relay panel with O/C & E/F protection	01	SEL	16.08.2016
		3-phase Circuit Breaker	01	SIEMENS	16.08.2016
		LA	03	LAMKO	14.08.2016
		1-ph current transformer	03	SCT limited	12.07.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	13.06.2016
9.	33KV TARIYANI	Line control & relay panel with O/C & E/F protection	01	SEL	07.07.2017
		3-phase Circuit Breaker	01	SIEMENS	09.06.2016
		LA	03	LAMKO	07.07.2017
		1-ph current transformer	03	SCT limited	10.05.2017
		3-ph isolator with/without earth switch	03		22.05.2017
10.	33 KV SPARE FEEDER- 1	Line control & relay panel with d O/C & E/F protection	01	SEL	09.09.2016
		3-phase Circuit Breaker	01	SIEMENS	16.08.2016
		LA	03	LAMKO	14.08.2016
		1-ph current transformer	03	SCT limited	12.07.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	13.06.2016
11.	33KV SPARE FEEDER-2	Line control & relay panel with O/C & E/F protection	01	SEL	16.08.2016
		3-phase Circuit Breaker	01	SIEMENS	16.08.2016
		LA	03	LAMKO	14.08.2016
		1-ph current transformer	03	SCT limited	12.07.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	13.06.2016
12.	33 KV Bus Coupler	Line control & relay panel with O/C & E/F protection	01	SEL	25.10.16
		3-phase Circuit Breaker	01	SIEMENS	25.10.2016
		1-ph Potential transformer	03	SCT limited	22.07.2016

15

13.	33 KV SPARE FEEDER- 3	LA	03	LAMKO	13.08.16
		1-ph current transformer	03	SCT limited	12.09.16
		3-ph Isolator with/without earth switch	03	FARADAY ELECTRICALS	20.10.16
		Line control & relay panel with O/C & E/F protection	01	SEL	16.08.16
		3-phase Circuit Breaker	01	SIEMENS	16.08.2016
		LA	03	LAMKO	14.08.2016
14.	33KV SPARE FEEDER- 4	1-ph current transformer	03	SCT limited	12.07.2016
		3-ph Isolator with/without earth switch	03	FARADAY ELECTRICALS	13.06.2016
		Line control & relay panel with distance O/C & E/F protection	01	SEL	16.08.16
		3-phase Circuit Breaker	01	SIEMENS	16.08.2016
		LA	03	LAMKO	14.08.2016
		1-ph current transformer	03	SCT limited	12.07.2016
15.	132/33 KV TRANSFORMER BAY(LV)-I	3-ph Isolator with/without earth switch	03	FARADAY ELECTRICALS	13.06.2016
		relay panel protection O/C & E/F protection & df/dt protection	01 & 1	SEL	09.08.2016
		3-phase Circuit Breaker	01	SIEMENS	09.08.2016
		LA	03	LAMKO	09.08.2016
		1-ph current transformer	03	SCT limited	01.08.2016
		3-ph Isolator with/without earth switch	03	FARADAY ELECTRICALS	02.08.2016
16.	132/33 KV TRANSFORMER BAY(LV)-II	relay panel protection O/C & E/F protection & df/dt protection	01 & 1	SEL	27.10.2016
		3-phase Circuit Breaker	01	SIEMENS	27.10.2016
		LA	03	LAMKO	22.07.16
		1-ph current transformer	03	SCT limited	13.08.16
		3-ph Isolator with/without earth switch	03	FARADAY ELECTRICALS	12.09.16

Other Substation Equipments

Equipments name	MAKE	QTY.	REMARKS	D.O.C
Battery Charger	Chloride	1	IN SERVICE	09.08.2016
Battery Bank	Exide	1 SET	IN SERVICE	09.08.2016
Battery Charger (for PLCC)	Chloride	1	IN SERVICE	10.05.17
Battery Bank (for PLCC)	Exide	1 SET	IN SERVICE	10.05.17
ACDB	ASIAN	1 SET	IN SERVICE	09.08.2016

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DCDB	ASIAN	1 SET	IN SERVICE	09.08.2016
DG Set	KIRLOSKAR	1	IN SERVICE	10.05.17
Motor Pump Set	CROMPTON	1	IN SERVICE	10.05.17
SST-1	TBEA	1	IN SERVICE	09.08.2016
SST-2	ETS	1	IN SERVICE	10.05.17
Earthing Rods		6 plc.	IN SERVICE	
Emergency LDB	ASIAN	1 SET	IN SERVICE	09.08.2016
EPAX	INTELLICOM	24/1	IN SERVICE	10.07.17
RTCC (Tr No. 1)	ECE	1	IN SERVICE	09.08.2016
RTCC (Tr No. 2)	ECE	1	IN SERVICE	27.10.2016
ANNUCIATOR PANEL	SCHWEITZER ENG.	1	IN SERVICE	09.08.2016
Common equipment	SCHWEITZER ENG.	1	IN SERVICE	10.07.17
PLCC (Sheohar-Sitamarhi line bay)	ABB	1 SET	IN SERVICE	09.08.2016
PLCC (Sheohar-Dhaka line bay)	CROMPTON GREAVES LTD.	1 SET	IN SERVICE	09.08.2016
DCDB(FOR PLCC)	ASIAN	1 SET	IN SERVICE	09.08.2016
MLDB	ASIAN	1 SET	IN SERVICE	09.08.2016
Testing Equipments				
100 KV BDV Test Kit		01	IN SERVICE	
Microprocessor based 5KV Meggar	MOTWANE	01	IN SERVICE	
Oil Sampling Bottle (1 litre capacity)		04	IN SERVICE	
Portable SF6 gas Cylinder		01	IN SERVICE	
Offline Fault locator & analyzer	TARAUS	01 set	IN SERVICE	
Portable inflatable lighting tower	ASKA	2	IN SERVICE	
Safety Gear				
Helmet		10 yellow,7 white,3 green		
Gloves and Boot		1 set		

14

Safety belt		2 plc.		
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Fire Protection System

SI No.	Type	Quantity (Nos)	Weight (KG)	REMARKS
1. Wheel/Trolley mounted fire extinguishers				
a	DCP type	2	22.5	Fire extinguisher DCP type refilled November 2017
b	CO ₂ type	2	22.5	
2. Portable fire extinguishers				
a	DCP type	4	4.5	
b	CO ₂ type	4	4.5	
3.	Fire bucket stand	2		
4.	Fire bucket	8		

Kumar Sanyal
10/11/18

(10/11/18) ASSISTANT EXECUTIVE ENGINEER
Transmission Subdivision
Sheohar

Sample format for GSS land assets

132/33 KV GSS Sheohar

LOCATION				
1	Name of GSS	Sheohar		
2	Located at (name of locality)	Visanpur Man singh		
3	Block	Sheohar		
4	Police station	Sheohar		
5	Sub-Division	Sheohar		
6	District	Sheohar		
7	Transmission division	Muzaffarpur		
8	Transmission circle	Muzaffarpur		
9	GPS Co-ordinates	LAT: 26.521148 LONG: 85.311863		
LAND DETAIL				
10	Initial area (in Acres)	7.00(approx)		
11	Whether it was:			
	(i) A Govt. land (state type GM or)			
	(ii) Private land	yes		
	If private land, whether			
	(i) Purchased	yes		
	(ii) Acquired			
	(iii) Leased land			
12	Year of purchase/Acquisition	2013		
13	Whether mutation completed	N/A		
14	Cost of land (At the time of procurement)	N/A		
15	Whether more land was purchased/Acquired/Leased in the GSS extension work? If yes give details.	No		
16	Area of the extra land for GSS	No		
17	Cost	N/A		
18	Year of purchase/lease of extra land	N/A		
19	Total area at present	7.00 Acres		
	Detail of land(khata/khesara)	<table border="1"> <tr> <td>Khata No. 106,97,31,151,150,80, 43,164,4,131,100</td> <td>Khesra No. 355,328,358,357,356, 359,360,361,320,319, 324,325,326,327,331, 332,333,329,330,362</td> </tr> </table>	Khata No. 106,97,31,151,150,80, 43,164,4,131,100	Khesra No. 355,328,358,357,356, 359,360,361,320,319, 324,325,326,327,331, 332,333,329,330,362
Khata No. 106,97,31,151,150,80, 43,164,4,131,100	Khesra No. 355,328,358,357,356, 359,360,361,320,319, 324,325,326,327,331, 332,333,329,330,362			
	Thana No.			
	Name of municipality/Nagar parishad etc.	Chamanpur		
	Ward No./circle No./Holding No.	13		
	Amount of Early Land related taxes.			
	Taxes clear up to			
22	Land Records available with	Purchased		

Kumar Sam
 10/11/18
 (21) ASSISTANT EXECUTIVE ENGINEER
 Transmission Subdivision
 Sheohar