

Name of bay	Equipment name	Qty	Make	Date of commissioning	Remarks
Motihari 1st ckt.bay And Sitamarhi bay	Line control and relay panel; with Dist.protection and o/ce/f proetction	02	Easun reyrolle	11.6.2006	Bay Charged since commissioning of Gss
	3ph ckt breaker	02	Siemens		
	CVT	06	Alstom		
	LA	06	CGL		
	CT	06	TELK		
	3Ph iso with/without Earth switch	02 with E/s and 04 without E/s including both bays	Switchgear and structural india pvt.ltd.		
Motihari 2nd ckt. Bay and Sheohar bay	Line control and relay panel; with Dist.protection and o/ce/f proetction	02	CGL	01.04.16	Both bays charged without Plcc on dt.14/01/15
	3ph ckt breaker	02	CGL		
	CVT	06	CGL		
	LA	06	CGL		
	CT	06	SCT		
	3Ph iso with/without Earth switch	02 with E/s and 04 without E/s including both bays	Electrolites power		
132kv Pakridyal bay	Line control and relay panel; with Dist.protection and o/ce/f proetction	01	SEL	20.01.17	
	3ph ckt breaker	01	CGL		
	CVT	03	Alstom		
	LA	03	Lamco		
	CT	03	SCT		
	3Ph iso with/without Earth switch	02 without E/s, 1-with E/s	Faraday Electricals pvt.		
TR.No-01 and Tr.no-02 bay	Transformer control and relay panel; with Diff.protection and o/c e/f protection	02	Easun reyrolle	11.6.2006	

	3ph ckt breaker	02	Siemens		
	LA	06	CGL		
	CT	06	TELK		
	3Ph iso with/without Earth switch	06 without E/s (including 02Nos tandem)	Switchgear and structural india pvt.ltd.		
132kv Bus- coupler bay	Line control and relay panel; with Dist.protection and o/ce/f proetction	01	Easun reyrolle	11.6.2006	
	3ph ckt breaker	01	Siemens		
	PT	03	Alstom		
	LA	03	CGL		
	CT	03	TELK		
	3Ph iso with/without Earth switch	02 without E/s ,1- tandem	Switchgear and structural india pvt.ltd.		
TR.No-03 bay	Transformer control and relay panel; with Diff.protection and o/c e/f protection	01	Venson Electric pvt.	20.06.15	
	3ph ckt breaker	01	CGL		
	LA	03	Lamco		
	CT	03	Heptacare Power Industries Pvt.ltd.		
	3Ph iso with/without Earth switch	02 without E/s,01- tandem	Siemens pvt.ltd.		
33kv Tr.no-01 and Tr.no-02	Transformer control and relay panel; with Diff.protection and o/c e/f protection	02	Easun reyrolle	11.6.2006	
	3ph ckt breaker	02	Siemens		
	LA	06	CGL		
	CT	06	Mehru Electrical and Mechanical Engineer Ltd.		
	3Ph iso with/without Earth switch	04 without E/s, 02-tandem	Switchgear and structural india pvt.ltd.		
33kv Tr.no-03	Transformer control and relay panel; with	01	Vension	20.6.15	

	Diff.protection and o/c e/f protection		Electric		
	3ph ckt breaker	01	CGL		
	LA	03	Lamco		
	CT	03	Heptacare Power Industries Pvt.ltd.		
	3Ph iso with/without Earth switch	02-Without E/s 01-tandem	Siemens		
33kv Patahi and 33kv Chiraiya feeder	Line control and relay panel; with o/c e/f protection	02	Megawin	04.03.12	
	3ph ckt breaker	02	Megawin		
	LA	06	Oblum el.industries pvt.ltd.		
	CT	06	Modern Electronics		
	3Ph iso with/without Earth switch	02	Project Electrical Industries		
33kv Dhaka feeder	Line control and relay panel; with o/c e/f protection	01	APE power pvt.ltd.	28.09.06	As per available records.
	3ph ckt breaker	01	Schneider Electric		
	LA	03	Lamco		
	CT	03	Macroplast Pvt.Ltd.		
	3Ph iso with/without Earth switch	01 with E/s and 02 without E/s	---		
33kv Bairania feeder and 33kv Ghorasahan feeder	Line control and relay panel; with o/c e/f protection	02	Easun reyrolle	Ghorasahan-05.03.12 Bairania-25.01.15	
	3ph ckt breaker	02	Ghorasahan-		

			Siemens		
			Bairgania- Stelmec		
	LA	06	CGL		
	CT	06	Mehru Electrical and Mechanical Engineer Ltd.		
	3Ph iso with/without Earth switch	02-without E/s 02-with E/s 02-tandem	Switchgear and structural india pvt.ltd.		
33kv Bus-coupler	Line control and relay panel; with o/c e/f protection	01	Easun reyrolle	11.6.2006	
	3ph ckt. breaker	01	Stelmec		
	LA	03	CGL		
	CT	03	Mehru Electrical and Mechanical Engineer Ltd.		
	3Ph iso with/without Earth switch	02 without E/s and 01 tandem	Switchgear and structural india pvt.ltd.		

Other substation Equipment

Battery charger	1		01 No.	HBL nife 250v	11.6.2006	Charger not in service
	2		01 No.	HBL nife 250v	11.6.2006	-do-
	3		01 No.	Amaraja 250v	18.06.2016	

	4		01No.	250v Power electronic engineer	NA	
Batt.bank	1		112 nos	Hbl nife	11.6.2006	
	2		112 nos.	250v,Exide	28.6.16	
ACDB			Vikas Engg.associate		11.6.2006	
DCDB			Vikas Engg.associate		11.6.2006	
Plcc Equipment	Isolator		NA			
	Batt charger		Hbl nife		11.6.2006	
	Panel		Bpl-04 Nos.		11.6.2006	For diff.line bays
			ABB-02 Nos.(Motihari 2 nd ckt)		01.04.16	
			CGL-02 Nos.		20.01.17	
			CGL-02 Nos.		01.04.16	
	Telephone		07 nos .			
DG set				Jakson ltd. 100 kva	11.6.2006	
Fire fighting	Co2		4.5kg	08 nos.	Refilled after 1 yr	
	Co2		22.5kg	04 Nos.		
	DCP		5kg	05 nos		
	DCP		25kg	06 nos.		
Earthing rods			03 pairs			
Testing equipment			Multimeter-02	Motwane,meco		
			Megger 05kv-01	Megger		
			BDV test kit-01 no.	Rectifiers and electronics pvt.ltd.		
Tools and tackles	Spanners,wrench		All available			
Safety gear	Helmet, safety gloves,boots		All available.			
SST			01 no.	TRIL	11.6.2006	
Spare Hardware			Different types of			

fitting			connectors, PG clamps and tension fitting Available.			
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Amir K. 22/11/17

A.EX.E,TSD,Dhaka

GSS Land Assets**132/33 Kv Gss Dhaka**

1	Name of Gss	Dhaka	Remarks
2	Located at	Rupahra village, Near BMR college, Dhaka	
3	Block	Dhaka	
4	Police station	Shikarganj	
5	Subdivision	Sikrahna(Dhaka)	
6	District	East-champaran	
7	Tr. Division	Motihari	
8	Tr. Circle	Muzaffarpur	
09	GPS coordinates	26.670281,85.151204	
	Land details		
10	Initial area	7 acres	
11	Whether it was		
	(i) A govt. land	1.31 acres	1.31 acre BSEB land of 33/11kv PSS Dhaka was utilised.
	(ii) Pvt.land	5.69 acres	
	If pvt.land wheteher		
	Purchased/Acquired/Leased	Acquired	
12	Year of purchase/Acquisition	2004	
13	Whether mutation completed	No	Records not available.
14	Cost of land (at time of procurement)	Rs.1803456/-	Ref. Letter no-521 dt.05/11/04 of EEE, Motihari
15	Whether more land purchased for Gss extension work. Give details	No	
16	Area of extra land for Gss	NA	
17	Cost	NA	
18	Year of purchase/lease of extra land	NA	
19	Total area at present	7 acres	
	Details of land(Khata/khesra)	(i)Thana no-106, Khesra-945,946,947,943,3866,948,955,949,956,959,958	

		(ii)Thana no-115 khesra- 290,291,292,293,2823,2824,2825,2826,2827,2822,2829,2820,2821	
	Thana no	106,115	
	Name of Municipality/Nagar parishad	NA	
	Ward no./circle no./Holding no.	W.no-05 & 17.	
	Amount of early land related taxes	NA	
	Taxes clear upto	NA	
20	Land records available with	Mutation record n.a, acquired land details available in AEE, Dhaka office.	

 22/11/17

A.Ex.E,TSD,Dhaka

Details of Equipment installed at 132/33KV Gss Pupri.

Sl No.	Name of Equipment	Qty	Make & Specification	Remarks
1	Power Transformer No-01	01	ECE, 20 MVA, 132/33KV	
2	Power Transformer No-02	01	BHEL (Repaired By Aditya Vidyut Appliance Ltd), 20 MVA, 132/33 KV	
3	132 KV Circuit Breakers	05 nos.	ABB	
4	132KV CVTs	06 nos.	SCT Ltd	
5	132kv PTs	03 nos.	SCT Ltd	
6	132kv CTs	15 nos.	SCT Ltd	
7	132kv Wave Traps	04 nos.	Quality power	
8	132KV LAs	12 nos.	LAMCO	
9	132kv H/L Isolators	02 sets	Faradey	
10	132kv Isolators	11 sets	Faradey	
11	132KV Tandem Isolators	04 sets	Faradey	
12	33kv VCBs	07 nos.	Schneider	
13	33kv PTs	03 nos.	SCT Ltd	
14	33kv CTs	21 nos.	SCT Ltd	
15	33kv Tandem Isolators	06 sets	Faradey	
16	33KV LAs	18 nos.	LAMCO	
17	33kv H/L Isolators	02 sets	Faradey	
18	33kv Isolators	17 sets	Faradey	
19	Sub Station Transformer	02 nos	Marsons Limited, 315KVA, 33/433kv	
20	250v Battery chargers	02 nos.	Chloride	
21	48V Battery chargers	02 nos.	Chloride	
22	250v Battery Bank	02 nos.	Excide power safe(VRLA)	
23	48v Battery Bank	02 nos.	Excide power safe(VRLA)	
24	132kv line control panel	02 nos.	SEL	
25	132kv Transformer & control Relay panel	02 nos.	SEL	
26	132 kv Bus coupler Panel	01 nos.	SEL	
27	33kv line control panel	04 nos.	SEL	
28	33 kv Bus coupler Pannel	01 nos.	SEL	
29	132kv BMK	02 nos.	ASIAN	
30	33KV BMK	02 nos.	ASIAN	
31	RTCC Panel	02 nos.	ECE	Not commission
32	PLCC Panel	04 nos.	CG Crompton	Not commission
33	Common Equipment Panel	01 nos.	SEL	Not commission
34	250v DCDB	01 nos.	ASIAN	
35	48v DCDB	01 nos.	ASIAN	
36	415 Main Switch board.	01 nos.	ASIAN	
37	ACDB	01 nos.	ASIAN	
38	MLDB	01 nos.	ASIAN	
39	ELDB	01 nos.	ASIAN	
40	DG Set	01 nos.	ASIAN	

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 22/11/12
 AEE/TSP/RYPR1

Details of Testing Equipments at 132/33kv Gss Pupri

Sl. No	Name of Equipments	Qty	Mfg. By	Remarks
01	BDV Machine	01 nos.	Motwane Mfg. company Pvt. Ltd.	
02	Megger	01 nos.	-do-	
03	Multimeter	01 nos.	-do-	

Summers
22/11/17
AEE/ITSD/PUPRI

GSS land assets

GSS:-132/33kv Gss Pupri.

1.	Location	Sursand
2.	Name of GSS	132/33KV Gss Pupri(Sursand)
3.	Located at (Name of locality))	Sursand
4.	Block / Prakhand	Sursand
5.	Police station (Thana)	Sursand
6.	Sub-Division	Pupri
7.	District	Sitamarhi
8.	Transmission circle	Muzaffarpur
9.	GPS Co-ordinates	Lat.:26.641536, Lng.:85.718272
LAND DETAILS		
10.	Initial area (in Acre)	2.54
11.	Whether it was :	
	(i) A govt. land (state type GM or)	Yes (NBPDCCL)
	(ii) Private land	No
	If private land, whether	NA
	(i) Purchased	NA
	(ii) Acquired	NA
	(iii) Leased land	NA
12.	Year of purchase / acquisition	NA
13.	Whether mutation completed	NO
14.	Cost of the land (at the time of procurement)	NA
15.	Whether more land was purchased / acquired / leased on for GSS Extension work ?	NO
16.	Area of the extra land for GSS	NA
17.	Cost	NA
18.	Year of purchase / lease of extra land	NA
19.	Total area at present	2.54 acrs
20.	Details of land (khata/Kesara)	Not Available
21.	Thana no.	040
22.	Name of municipality / nagar Parishad etc.	Sursand
23.	Ward no. / circle no. / holding no.	05
24.	Amount of early land related taxes	NA
25.	Taxes clear up to	NA
26.	Land records available with	NA

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22/11/17
AEE/TSD/PUPRI

Details of existing equipment of GSS SKMCH

Name of Circle- Transmission Circle, Muzaffarpur

Name of GSS- 132/33 KV GSS, SKMCH

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
1.	132 KV Musahari-SKMCH D/C bay	Line control & relay panel with distance protection & O/C & E/F protection	02	System automation & control pvt. Ltd. (Micom-Schnieder relay)	26.01.2017
		3-phase Circuit Breaker	02	Siemens	
		1-ph CVT	06	Siemens	
		LA	06	Electrolites	
		1-ph current transformer	06	SCT limited	
		3-ph isolator with/without earth switch	03	Electrolites	
2.	132 KV MTPS-SKMCH CKT-II	Line control & relay panel with distance protection & O/C & E/F protection	01	Alstom(Micom-Schnieder relay)	07.10.2014
		3-phase Circuit Breaker	01	Alstom	
		1-ph CVT	03	BPL Telecom Pvt Ltd	
		LA	03	Electrolite	
		1-ph current transformer	03	SCT limited	
		3-ph isolator with/without earth switch	03	Electrolite	
3.	132 KV MTPS-SKMCH CKT-I	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	24.05.2012
		3-phase Circuit Breaker	01	ABB	
		1-ph CVT	03	CGL	
		LA	03	CGL	
		1-ph current transformer	03	CGL	
		3-ph isolator with/without earth switch	03	Siemens(out of 3, one is tandem)	

4.	50 MVA Transformer No-I	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	26.05.2012
		3-phase Circuit Breaker	01	ABB	
		1-ph CVT	3	CGL	
		LA	03	CGL	
		1-ph current transformer	03	CGL	
		3-ph isolator with/without earth switch	03	Siemens	
5	50 MVA Transformer No-II	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	08.10.2012
		3-phase Circuit Breaker	01	ABB	
		1-ph CVT	03	CGL	
		LA	03	CGL	
		1-ph current transformer	03	CGL	
		3-ph isolator with/without earth switch	03	Siemens	
6	132 KV SKMCH- Muzaffarpur bay	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	01.04.2014
		3-phase Circuit Breaker	01	ABB	
		1-ph CVT	03	CGL	
		LA	03	CGL	
		1-ph current transformer	03	CGL	
		3-ph isolator with/without earth switch	03	Siemens	
7	132 KV SKMCH- Belsand bay	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	29.06.2014
		3-phase Circuit Breaker	01	ABB	
		1-ph CVT	03	CGL	
		LA	03	CGL	

		1-ph current transformer	03	CGL	
		3-ph isolator with/without earth switch	03	Siemens	
8	132 KV Bus Coupler	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	26.05.2012
		3-phase Circuit Breaker	01	ABB	
		1-ph CVT	03	CGL	
		LA	03	CGL	
		1-ph current transformer	03	CGL	
		3-ph isolator with/without earth switch	03	Siemens	
9	33 KV SKMCH	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	26.05.2012
		3-phase Circuit Breaker	01	Schneider	Schneider VCB
		LA	03	CGL	commissio
		1-ph current transformer	03	Vishal Engg.	ned on
		3-ph isolator with/without earth switch	03	Siemens	31.07.2017
10	33KV ICT-I	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	26.05.2012
		3-phase Circuit Breaker	01	ABB	
		LA	03	CGL	
		1-ph current transformer	03	Vishal Engg.	
		3-ph isolator with/without earth switch	03	Siemens	
11	33 KV Bochaha	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	20.03.2013
		3-phase Circuit Breaker	01	ABB	
		LA	03	CGL	
		1-ph current transformer	03	Vishal Engg.	
		3-ph isolator with/without	03	Siemens	

		earth switch			
12	33KV Motipur	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	10.09.2015
		3-phase Circuit Breaker	01	Stelmec	
		LA	03	CGL	
		1-ph current transformer	03	Vishal Engg.	
		3-ph isolator with/without earth switch	03	Stelmec	
13	33 KV Bus Coupler	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	26.05.2012
		3-phase Circuit Breaker	01	ABB	
		1-ph PT	03	Vishal Engg.	
		LA	3	CGL	
		1-ph current transformer	03	CGL	
		3-ph isolator with/without earth switch	02	Siemens	
14	33 KV ICT-II	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	08.10.2012
		3-phase Circuit Breaker	01	ABB	
		LA	03	CGL	
		1-ph current transformer	03	Vishal Engg.	
		3-ph isolator with/without earth switch	03	Siemens	
15	33 KV MIT	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	26.11.2012
		3-phase Circuit Breaker	01	ABB	
		LA	03	CGL	
		1-ph current transformer	03	Shree Electrol controls pvt ltd	
		3-ph isolator with/without earth switch	03	Siemens	

16	33KV Chandwara	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	14.06.2014
		3-phase Circuit Breaker	01	ABB	
		LA	03	CGL	
		1-ph current transformer	03	Shree Electrol controls pvt ltd	
		3-ph isolator with/without earth switch	03	Siemens	
17	33 KV CRPF	Line control & relay panel with distance protection & O/C & E/F protection	01	ABB	26.05.2012
		3-phase Circuit Breaker	01	Stelmec	
		LA	03	CGL	
		1-ph current transformer	03	Vishal Engg.	
		3-ph isolator with/without earth switch	03	Siemens	
					Stelmec VCB commissio ned on 16.10.15.

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 AEE
 TSD SKMCH

Sample format for GSS land assets

GSS:-SKMCH (Muz)

LOCATION	
01	Name of GSS
02	Located at (Name of locality)
03	Block/Prakhand
04	Police Station (Thana)
05	Sub-Division
06	District
07	Transmission Division
08	Transmission Circle
09	GPS Co-ordinates
LAND DETAILS	
10	Initial Area (In Acre)
11	Whether it was:
	(i) A Govt. Land (State type GM or)
	(ii) Private Land
	If Private Land, Whether
	(i) Purchased
	(ii) Acquired
	(iii) Leased Land
12	Year of Purchase/Acquisition
13	Whether mutation completed
14	Cost of the Land (At the time of procurement)
15	Whether more land was purchased /acquired/ Leased in for GSS Extension work? If yes, Give details
16	Area of the extra land for GSS
17	Cost
20	Year of Purchase/lease of extra land
21	Total area at present
	Details of Land (Khata/Khesara)
	Thana No.
	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

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 Noopur
 10.11.18
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 (AEE/ TSD/ SKMCH)