

## Sample format for GSS land assets

### GSS:-132/33KV GSS KHAGARIA

LOCATION	
01	Name of GSS
02	Located at ( Name of locality)
03	Block/Prakhanda
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

*Signature*  
 10/11/18  
**Electrical Executive Engineer**  
**Transmission Division Begusarai**

*Signature*  
 10/11/18  
**Assistant Executive Engineer**  
**Transmission Sub Division Khagaria**

**Assistant Executive Engineer**



	Taxes clear up to	-
22	Land Records available with	-

*Scandey*  
10-11-14  
Assistant Executive Engineer  
Transmission Sub Division, Kharagpur

*C/S*  
*Amuldas*  
10-11-18  
Electrical Executive Engineer  
Transmission Division, Kharagpur



# Details of Existing Equipment

Name of Circle: BHAGALPUR

Name of GSS: 132/33KV GSS KHAGARIA

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
132 KV Line Bay	Purnea bay	Line control & relay panel with Distance protection & O/C E/F protection	1	english electric	NA
		3 Phase Circuit Breaker	1	cgl	28-03-2014
		1-Ph CVT	2	cgl	NA
		LA	3	NA	NA
		1-Ph Current Transformer	3	BHEL	NA
		3 Phase Isolator with/without Earth switch	3 set	NA	NA
	BTPS bay	Line control & relay panel with Distance protection & O/C E/F protection	1	siemens	04-08-2009
		3 Phase Circuit Breaker	1	siemens	DO
		1-Ph CVT	3	CGL	DO
		LA	3	CGL	DO
		1-Ph Current Transformer	3	CGL	DO
132/33 KV Transformer bay(HV)	50 MVA	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Verson electric	16-05-2015
		3 Phase Circuit Breaker	1	CGL	do
		LA	3	LAMCO	do
		1-Ph Current Transformer	3	HEPTA CARE	do
		3 Phase Isolator with/without Earth switch	3SET	siemens	do
132/33 KV Transformer bay(LV)	50MVA	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Verson electric	do
		3 Phase Circuit Breaker	1	CGL	do
		LA	3	LAMCO	do
		1-Ph Current Transformer	3	HEPTA CARE	do
		3 Phase Isolator with/without Earth switch	3 SET	siemens	do
33 KV Buscoupler		Line control & relay panel with Distance protection & O/C E/F protection	0	NA	NA
		3 Phase Circuit Breaker	1	siemens	NA
		1 Ph PT	3	bhel	NA
		LA	0	NA	NA
		1-Ph Current Transformer	3	bhel	NA
132/33 KV Transformer Bay/HV	20MVA 1	transformer control & relay panel with Differential protection & O/C E/F protection	1	english electric	NA
		3 Phase Circuit Breaker	1	areva	NA
		LA	3	NA	NA
		1-Ph Current Transformer	3	sci ltd	NA
		3 Phase Isolator with/without Earth switch	3 SET	NA	NA
132/33 KV Transformer		Transformer control & relay panel with Differential protection & O/C E/F protection	1	english electric	NA
		3 Phase Circuit Breaker	1	areva	NA

Electrical Executive Engineer  
Transmission Division Begunur

Sanjay  
10/11/18  
Assistant Executive Engineer



*Sandberg*  
1011-18  
Assistant Executive Engineer  
Framingham Sub. Water Dept.

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# Details of Existing Equipment

Name of Circle: BHAGALPUR

Name of GSS: 132/33KV GSS KHAGARIA

e		Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
	33 KV Line Bay	Khagaria old	Line control & relay panel with O/C E/F protection	1	english electric	na
			3 Phase Circuit Breaker	1	alstom	na
			LA	3	NA	na
			1-Ph Current Transformer	3	electrical stamping	na
			3 Phase Isolator with/without Earth switch	3 set	NA	na
		Khagaria new	Line control & relay panel with O/C E/F protection	1	siemens	04-08-2009
			3 Phase Circuit Breaker	1	stelmecc	DO
			LA	3	na	DO
			1-Ph Current Transformer	3	vidyut control	DO
			3 Phase Isolator with/without Earth switch	3SET	siemens	DO
	33 KV line bay	Mansi	line control & relay panel with O/C E/F protection	1	english electric	NA
			3 Phase Circuit Breaker	1	megawin switchgear	na
			LA	3	na	na
			1-Ph Current Transformer	3	floral electrical	na
			3 Phase Isolator with/without Earth switch	3SET	na	na
	33 KV line bay	mansl new	line control & relay panel with O/C E/F protection	1	verson electric	22-11-2016
			3 Phase Circuit Breaker	1	cgl	do
			LA	3	na	do
			1-Ph Current Transformer	3	hepta care	do
			3 Phase Isolator with/without Earth switch	3 SET	siemens	do
	33 KV line bay	bachhauta	Line control & relay panel with O/C E/F protection	1	siemens	04-08-2009
			3 Phase Circuit Breaker	1	stelmac	do
			LA	3	na	do
			1-Ph Current Transformer	3	vidyut control	do
			3 Phase Isolator with/without Earth switch	3 SET	na	do
			line control & relay panel with O/C E/F protection	1	verson electric	22-11-2016
			3 Phase Circuit Breaker	1	cgl	do

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Transmission Division Begusarai

Sandesh  
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Assistant Executive Engineer  
Transmission Sub Division Begusarai



33 KV newly constructed line bay 1	LA	1 na	do
	1-Ph Current Transformer	3 hepta care	do
	3 Phase Isolator with/without Earth switch	1 SET	do
	line control & relay panel with O/C F/F protection	1 verson electric	do
33 KV newly constructed line bay 2	3 Phase Circuit Breaker	1 cgl	do
	LA	1 na	do
	1-Ph Current Transformer	3 hepta care	do
	3 Phase Isolator with/without Earth switch	3 SET	do
33 KV Buscoupler	Line control & relay panel with Distance protection & O/C F/F protection	1 english electric	na
	3 Phase Circuit Breaker	1 cgl	26-04-2012
	1 Ph PT	3 na	na
	LA	0	
	1-Ph Current Transformer	3 advent engineers	26-04-2012
	3 Phase Isolator with/without Earth switch	1 set	na 26-04-2012

*Samuel*  
 10.11.18  
 Assistant Executive Engineer  
 Transmission Sub Division, Kharagpur

*OK*  
*Samuel*  
 12/11/18  
 Electrical Executive Engineer  
 Transmission Division, Kharagpur



## 132/33kv GSS Manjhaul land assets

	LOCATION	
01	Name of GSS	Manjhaul
02	Located at ( Name of locality)	Maheshwara
03	Block/Prakhand	Naokothi
04	Police Station (Thana)	Naokothi
05	Sub-Division	Manjhaul
06	District	Begusarai
07	Transmission Division	Begusarai
08	Transmission Circle	Purnea
09	GPS Co-ordinates	Lat-25.554015,long-86.137893
	LAND DETAILS	
10	Initial Area (In Acre)	4.33 acre
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	Yes(03 acre)
	(ii) Private Land	
	If Private Land, Whether	
	(i) Purchased	
	(ii) Acquired	
	(iii) Leased Land	Yes(1.33 acre)
12	Year of Purchase/Acquisition	2015
13	Whether mutation completed	yes
14	Cost of the Land (At the time of procurement)	Rs 01,64,92,000/- of 1.33 acre private land
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	4.33acre
	Details of Land (Khata no-)	02
	Plot no	414
	Name of anchal	Naokothi
	Ward No./Circle No./ Holding No.	
	Amount of Early Land related Taxes	
	Taxes clear up to	
22	Land Records available with	2015-2016

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09/11/18  
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132/33 Kv Grid Sub. Station  
Manjhaul (Begusarai)

Ch  
Jankar  
10/11/18  
Electrical Executive Engineer  
Transmission Division Begusarai



Details of Existing Equipment					
Name of Circle <b>BHAWALPUR</b>		Name of GSS:132/33KV GSS MANJHAUL			
Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
01.	2 KV Line bay 1(Begusarai To Manjhaul)	Line control & relay panel with Distance protection & O/C E/F protection	1	SEL	5/18/2017
		3 Phase Circuit Breaker	1	ABB	07-06-2017
		1 Ph CVT	3	CGL	07-06-2017
		LA	3	CGL	07-06-2017
		1-Ph Current Transformer	3	SCT	07-06-2017
		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	07-06-2017
02.	32 KV Line bay 2(Manjhaul To Bakhar)	Line control & relay panel with Distance protection & O/C E/F protection	1	SEL	8/30/2017
		3 Phase Circuit Breaker	1	ABB	8/30/2017
		1 Ph CVT	3	CGL	8/30/2017
		LA	3	CGL	8/30/2017
		1-Ph Current Transformer	3	SCT	8/30/2017
		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	8/30/2017
03.	132/33 KV (50MVA)Transformer bay(HV)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	SEL	12-06-2017
		3 Phase Circuit Breaker	1	ABB	12-06-2017
		LA	3	CGL	12-06-2017
		1-Ph Current Transformer	3	SCT	12-06-2017
		3 Phase Isolator with/without Earth switch	2	FARADAY ELECT	12-06-2017

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Manjhaul (Begusarai)

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Sharma  
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0  
Electrical Executive Engineer  
Transmission Division Begusarai



04.	132/33 KV (50MVA) Transformer bay(LV)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	SEL	14-06-2017
		3 Phase Circuit Breaker	1	SCHNEIDER ELECT	14-06-2017
		LA	3	CGL	14-06-2017
		1-Ph Current Transformer	3	SCT	14-06-2017
		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	14-06-2017
05.	132/33 KV(10MVA) Transformer bay(HV)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	SEL	31-08-2017
		3 Phase Circuit Breaker	1	ABB	31-08-2017
		LA	3	CGL	31-08-2017
		1-Ph Current Transformer	3	SCT	31-08-2017
		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	31-08-2017
06.	132/33 KV(10MVA) Transformer bay(LV)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	SEL	10-09-2017
		3 Phase Circuit Breaker	1	SCHNEIDER ELECT	10-09-2017
		LA	3	CGL	10-09-2017
		1-Ph Current Transformer	3	SCT	10-09-2017
		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	10-09-2017
07	132kv Bus coupler bay	Line control & relay panel with Distance protection & O/C E/F protection	1	SEL	6/14/2017
		3 Phase Circuit Breaker	1	ABB	6/14/2017
		1 Ph PT	3	SCT	6/14/2017

Robit Kumar Ad: hsp  
09/11/18

Junior Electrical Engineer  
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		LA	3	SCT	6/14/2017
		1-Ph Current Transformer	3	SCT	6/14/2017
		3 Phase Isolator with/without Earth switch	3(SET)	SCT	6/14/2017
08.	33 KV Feeder(Manjhaul)	Line control & relay panel with O/C E/F protection	1	SEL	6/19/2017
		3 Phase Circuit Breaker	1	SCHNEIDER ELECT	6/19/2017
		LA	3	SCT	6/19/2017
		1-Ph Current Transformer	3	SCT	6/19/2017
		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	6/19/2017
09.	33 KV Feeder(Naakothi)	Line control & relay panel with O/C E/F protection	1	SEL	6/16/2017
		3 Phase Circuit Breaker	1	SCHNEIDER ELECT	6/16/2017
		LA	3	SCT	6/16/2017
		1-Ph Current Transformer	3	SCT	6/16/2017
		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	6/16/2017
10.	33 KV Feeder(CADHPURA)	Line control & relay panel with O/C E/F protection	1	SEL	12/14/2018
		3 Phase Circuit Breaker	1	SCHNEIDER ELECT	12/14/2018
		LA	3	SCT	12/14/2018
		1-Ph Current Transformer	3	SCT	12/14/2018
		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	12/14/2018
11.	33 KV Feeder(Begunani Circuit House)	Line control & relay panel with O/C E/F protection	1	SEL	8/04/2018
		3 Phase Circuit Breaker	1	SCHNEIDER ELECT	8/04/2018
		LA	3	SCT	8/04/2018
		1-Ph Current Transformer	3	SCT	08/04/2018

Other Substation Equipments

Rohit Kumar Adh  
09/11/18  
Junior Electrical E  
2/33 Kv Grid Sut  
Manjhaul (Begi

Electrical Executive Engineer  
Transmission Division Begunani



10.		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	
	33 KV Buscoupler	Line control & relay panel with Distance protection & O/C E/F protection	1	SEL	7/12/2017
		3 Phase Circuit Breaker	1	SCHNEIDER ELECT	7/12/2017
		1 Ph PT	3	SCT	7/12/2017
		LA	3	SCT	7/12/2017
		1-Ph Current Transformer	3	SCT	7/12/2017
		3 Phase Isolator with/without Earth switch	3(SET)	FARADAY ELECT	7/12/2017
	Battery Charger		2	Chloride	3/3/2017
	ACDB		1	ASPL	6/14/2017
	DCDB(110V/48V)		1	ASPL	6/14/2017
	Battery bank				
	DG set		1	KIRLOSKAR	3/3/2017
	**PLCC Equipment	1. Isolator			
		2. Battery Charger	2	CHLORIDE	3/3/2017
		3. Panel		CGL	
		4. telephone	24		
	Hydrant system with Pipe arrangement				
	Fire Fighting Equipment		12	SAFEX	
	Earthing Rods		6	KALCO	
	Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)				
	Testing Equipments				
	Digital Multimeter		1	Motwane	
	Megger		1	Motwane	
	100KV BDV Test Kit		1	Motwane	
	Oil Sample Bottle		4	Monarch	
	Safety Gear(Helmet,Gloves,Boot, etc.)		NIL		
	SST		2	EIUL	6/14/2017
	Spare Hardware Fitting.		NIL		

Rohit Kumar Aditya  
 09111118  
 Junior Electrical Engineer  
 132/33 Kv Grid Sub  
 Manjhaul (Begusarai)

C/S  
 Anurag  
 19/11/18  
 Electrical Executive Engineer  
 Transmission Division Begusarai



Office of  
Assistant Executive Engineer  
Transmission Subdivision  
Teghra

Letter No. 41 / Teghra

Date 22/11/2017.

From:- Assistant Executive Engineer  
Transmission Sub-division, Teghra

To :- Electrical Executive Engineer  
Transmission division, Begusarai

Sub:- Regarding Land & equipment asset details of 132/33 kV  
GSS, Teghra.

Sir,

With reference to above subject Land and equipment  
asset details of 132/33 kV GSS, Teghra is enclosed along with  
this letter for your information & necessary action.

Encl:- As above

Yours faithfully

*Anurag*  
22/11/17

Assistant Executive Engineer  
Transmission Subdivision  
Teghra



Details of Existing Equipment						
Name of Circle: PURNEA Name of GSS: 132/33 kV GSS, TEGHRA						
Sl. No.		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			
220 KV 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			
132 KV Line bay	3 Phase Isolator with/without Earth switch			
	Line control & relay panel with Distance protection & O/C E/F protection	02	CGL	12/10/17
	3 Phase Circuit Breaker	02	ABB	12/10/17
	1 Ph CVT	06	CGL	12/10/17
	LA	06	CGL	12/10/17
132/33 KV Transformer bay(HV)	1-Ph Current Transformer	06	SCT	12/10/17
	3 Phase Isolator with/without Earth switch	06	FARADAY ELECTRICAL (P) LTD	12/10/17
	Transformer control & relay panel with Differential protection & O/C E/F protection	02	CGL	12/10/17
	3 Phase Circuit Breaker	02	ABB	12/10/17
	LA	06	CGL	12/10/17



bay (1117)		1-Ph Current Transformer	06	SCT	12/10/17
		3 Phase Isolator with/without Earth switch	06	FARADAY ELECTRICALS (P) LTD	12/10/17
	132/33 KV Transformer bay(LV)	Transformer control & relay panel with Differential protection & O/C E/F protection	02	CGL	12/10/17
		3 Phase Circuit Breaker	02	CGL	12/10/17
		LA	06	CGL	12/10/17
		1-Ph Current Transformer	06	SCT	12/10/17
		3 Phase Isolator with/without Earth switch	06	FARADAY ELECTRICALS LTD	12/10/17
	132 KV Buscoupler bay	Line control & relay panel with Distance protection & O/C E/F protection	01	CGL	12/10/17
		3 Phase Circuit Breaker	01	ABB	12/10/17
		1 Ph PT	03	SCT	12/10/17
		LA	—	—	—
		1-Ph Current Transformer	03	SCT	12/10/17
		3 Phase Isolator with/without Earth switch	03	FARADAY ELECTRICALS LTD	12/10/17
	33 KV Feeder	Line control & relay panel with O/C E/F protection	04	CGL	2017
		3 Phase Circuit Breaker	04	CGL	2017
		LA	12	CGL	2017
		1-Ph Current Transformer	12	SCT	2017
		3 Phase Isolator with/without Earth switch	12	FARADAY ELECTRICALS LTD	2017
		Line control & relay panel with Distance protection & O/C E/F protection	01	CGL	2017



33 KV Buscoupler	3 Phase Circuit Breaker		01	CGL	2017
	1 Ph PT		03	SCT	2017
	LA		—	—	—
	1-Ph Current Transformer		03	SCT	2017
	3 Phase Isolator with/without Earth switch		03	FARADAY ELECTRICALS (P) LTD	2017
Other Substation Equipments -					
Battery Charger	1		1.	CHLORIDE	2017
	2		1.	CHLORIDE	2017
ACDB			1.	SUGEL	2017
DCDB(110V/48V)			2	SUGEL	2017
Battery bank	1		1.	EXIDE	2017
	2		2	EXIDE	2017
DG set			1.		2017
PLCC Equipment	1. Isolator				
	2. Battery Charger		2	CHLORIDE	2017
	3. Panel		2	CGL	2017
	4. telephone		2	PANASONIC	—
Hydrant system with Pipe arrangement			—	—	—
Fire Fighting Equipment			12	—	2017
Earthing Rods			20MT	—	2017
Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)			—	—	—
Testing Equipments			2	MOTWANG	—
Safety Gear(Helmet,Gloves,Boot, etc.)			—	—	—
SST			2	EIUL	2017
Spare Hardware Fitting.			—	—	—


  
 22/11/17  
 Assistant Executive Engineer  
 Transmission Subdivision  
 Teghra



## Sample format for GSS land assets

**GSS:-** 132/33 kV Grid Sub-Station, Teghra.

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

  
 22/11/17  
 Assistant Executive Engineer  
 Transmission Subdivision  
 Teghra