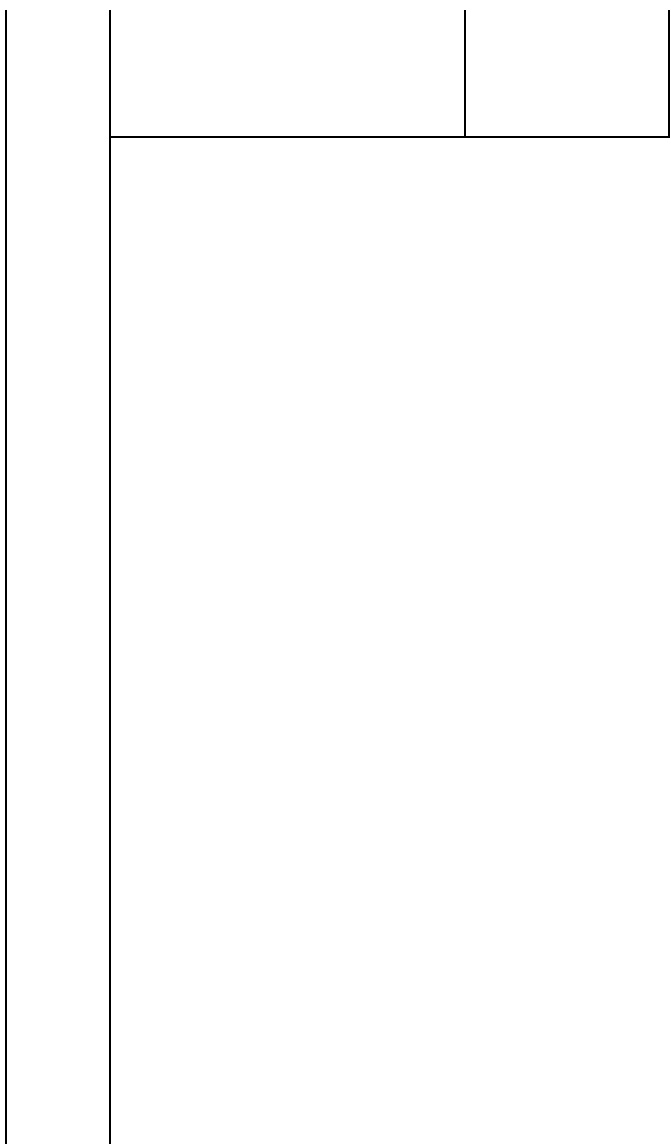


Name of Circle: DOS

Name of GSS: ARA

**LIST OF EXISTING EQUIPMENT DETAILS**

Sl. No.		Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning	
	132 KV Bay	PGCIL (ARA)	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2015	
			3 Phase Circuit Breaker	01	ALTOM	2015	
			1-Ph CVT	03		2017	
			LA	03		2016	
			1-Ph Current Transformer	03	SCT LIMITED		
			3 Phase Isolator with/without Earth switch	03	FARADAY	2015	
		Railway feeder		Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2017
				2 Phase Circuit Breaker	01	CGL	2017
				LA	03		2015



132 KV B/C bay	B/C	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM 2015	
		3 Phase Circuit Breaker	01	ALSTOM	2015
		1 Ph PT	03	MEHRU VOLTAGE	2015
		LA			2015
		1-Ph Current Transformer	03	Artche	

		3 Phase Isolator with/without Earth switch	03	FARADAY	2015
132/33 KV Transformer bay(HV)	Transformer	Transformer control & relay panel with Differential protection & O/C E/F protection	04	T-1to3 – ALSTOM T-4-VENSON ELECT.	2015
		3 Phase Circuit Breaker	04	T-1-CGL T-2- ALSTOM T-3-CGL T-4-CGL	
		LA	12		2016
		1-Ph Current Transformer	12	T-1&2- VISHAL PVT LTD T-3-SCT LTD T-4- HEPTACARE POWER INDUSRT	
		3 Phase Isolator with/without Earth switch	12	T-1&2- FARADAY T-3&4-- Simens	T 1&2-2016 T3-2014 T4-2016
132/33 KV Transformer bay(LV)	Transformer	Transformer control & relay panel with Differential protection & O/C E/F protection	04	T-1 TO 3- ALSTOM T-4-VENSON ELECT.	T-1&2-2015

		3 Phase Circuit Breaker	04	T1,T3&T4-CGL T2- ALSTOM-	2015
		LA	12		2015
		1-Ph Current Transformer	12	T-1-ADVENT ENGG. T-2-&3-SCT T-4- NA	T1-2017, T2-2018, T3-2015, T4-2016
		3 Phase Isolator with/without Earth switch	12	T-1&2-FARADAY T-3&4-NA	2015
33 KV Buscoupler bay	B/C	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2015
		3 Phase Circuit Breaker	01	SCHNEIDER	2015
		1 Ph PT	03	MEHRU ELE. MECH. ENGG LTD	2015
		LA			
		1-Ph Current Transformer	03	SCT	2017

		3 Phase Isolator with/without Earth switch	03	FARADAY	2016
33 KV Feeder	JAPANI	Line control & relay panel with O/C E/F protection	01	ALSTOM	2015
		3 Phase Circuit Breaker	01	CGL	2015
		LA	03		
		1-Ph Current Transformer	03	MODERN ELECTRONIC	
		3 Phase Isolator with/without Earth switch	03	FARADAY	2015
33 KV Feeder	BIHARI MILL	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2015
		3 Phase Circuit Breaker	01	SCHNEIDER	2015
		LA	03		2015
		1-Ph Current Transformer	03	FLORAL ELECTRICAL.	
		3 Phase Isolator with/without Earth switch	03	FARADAY	2015

33 KV Feeder	ANAITH	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2015
		3 Phase Circuit Breaker	01	SCHNEIDER	2015
		LA	03		2015
		1-Ph Current Transformer	03	MORDERN ELECTRONIC	
		3 Phase Isolator with/without Earth switch	03	FARADAY	2015
	SANDESH	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2015
		3 Phase Circuit Breaker	01	AREVA	
		LA	02		
		1-Ph Current Transformer	03	R- MODERN ELECTRONIC	
		3 Phase Isolator with/without Earth switch	03	FARADAY	2015

	GIDHA	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2015
		3 Phase Circuit Breaker	01	SCHNEIDER	2015
		LA	03		2015
		1-Ph Current Transformer	03	VIDUTH CONTROL SYSTEM	
		3 Phase Isolator with/without Earth switch	03	FARADAY	2015

33KV FEEDER	JAGDISHPUR	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2015
		3 Phase Circuit Breaker	01	SCHNEIDER	2015



		LA	03		2015
		1-Ph Current Transformer	03	VIDUTH CONTROL SYSTEM	
		3 Phase Isolator with/without Earth switch	03	FARADAY	2015

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	Battery Charger	1	01	CHLORIDE	2015
		2	01	POWER ELECTRONIC	
	ACDB		02	TRANSGIET	
	DCDB		01	TRANSGIET	
	Battery bank	1	01	EXIDE	2015
		2	01	EXIDE	
	DG set		NA		
	PLCC Equipment	1.Isolator			

		2. Battery Charger		
		3. Panel		
		Fire Fighting Equipment	10	AVAILABLE
		Earthing Rods	AVAILABLE	
		Tools &Tackles(Spanners,Wrench..etc.(Set/Piece)	01 Set	AVAILABLE
		Testing Equipments	10Equipments	
		Safety Gear(Helmet,Gloves,Boot, etc.)	AVAILABLE	
		SST	01	
		Spare Hardware Fitting.	AVAILABALE	

## Land Asset Details

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

	LOCATION	
01	Name of GSS	132/33KV GSS Ara
02	Located at ( Name of locality)	Bazar Samiti Ara
03	Block/Prakhand	Ara
04	Police Station (Thana)	Nawada
05	Sub-Division	Ara
06	District	Bhojpur
07	Transmission Division	Ara
08	Transmission Circle	Dehri on-Sone
09	GPS Co-ordinates	Lat-25.5412 Long-84.65011
	LAND DETAILS	
10	Initial Area (In Acre)	
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	No
	(ii) Private Land	Yes
	If Private Land, Whether	
	(i) Purchased	Yes
	(ii) Acquired	No
	(iii) Leased Land	No
12	Year of Purchase/Acquisition	1975
13	Whether mutation completed	No
14	Cost of the Land (At the time of procurement)	N.A
15	Whether more land was purchased /acquired/ Leased in for GSS Extension work? If yes, Give details	N.A
16	Area of the extra land for GSS	-----
17	Cost	N.A
20	Year of Purchase/lease of extra land	-----
21	Total area at present	
	Details of Land (Khata/Khesara)	Khata-Khesra:-57-172,158-173,78-187,116-179,120-191,129-203,135-185,136-174,136-177,136-178,136-188,143-190,146-198,160-180,181-194,181-182,199-181,199-186,201-192,201-193,224-195,224-204.
	Thana No.	227
	Name of Municipality/Nagar Parishad etc.	Ara
	Ward No./Circle No./ Holding No.	Ward No-42

	Amount of Early Land related Taxes	N.A
	Taxes clear up to	N.A
22	Land Records available with	TSD Ara

### Details of Existing Equipment

Name of Circle: Dehri On Sone

Name of GSS: Banjari

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
132 KV Line bay	Dehri Banjari	Line control & relay panel with Distance protection & O/C E/F protection	1	GEC Alsthom	1996
		3 Phase Circuit Breaker	1	CGL	2014
		1 Ph CVT	nil	.....	...
		LA	3	.....	1996
		1-Ph Current Transformer	3	vishal	2015
		3 Phase Isolator with/without Earth switch	3	.....	1996
132 KV Line bay	Kcl Line	Line control & relay panel with Distance protection & O/C E/F protection	1	GEC Alsthom	1996
		3 Phase Circuit Breaker	1	CGL	1996
		1 Ph CVT	nil	.....	...
		LA	3	.....	1996
		1-Ph Current Transformer	3	HBB, SCT	1996
		3 Phase Isolator with/without Earth switch	3	...	1996
132 KV Line bay	Banjari Sasaram Ckt1	Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	2011
		3 Phase Circuit Breaker	1	ABB	2011
		1 Ph CVT	3	CGL	2011
		LA	3	CGL	2011
		1-Ph Current Transformer	3	CGL	2011
		3 Phase Isolator with/without Earth switch	3	SIEMENS	2011
		Line control & relay panel with Distance protection & O/C E/F protection	1	SYSTEM AND CONTROL	2017

Sheet1

132 KV Line bay	banajri sasaram Ckt2	3 Phase Circuit Breaker	1	SIEMENS	2017
		1 Ph CVT	6	SIEMENS	2017
		LA	3	CGL	2017
		1-Ph Current Transformer	3	SCT	2017
		3 Phase Isolator with/without Earth switch	3	SIEMENS	2017
132/33 KV Transformer bay(HV)	T1	Transformer control	1	DANISH	2015
		3 Phase Circuit Breaker	1	SIEMENS	2015
		LA	3	....	1996
		1-Ph Current Transformer	3	SCT	1996
		3 Phase Isolator with/without Earth switch	3	.....	1996
132/33 KV Transformer bay(HV)	T2	Transformer control	1	ABB	2011
		3 Phase Circuit Breaker	1	CGL	2013
		LA	3	CGL,LAMCO	2011,2018
		1-Ph Current Transformer	3	CGL	2011
		3 Phase Isolator with/without Earth switch	3	SIEMENS	2011
132/33 KV Transformer bay(HV)	T3	Transformer control	1	SYSTEM AND CONTROL	2015
		3 Phase Circuit Breaker	1	CGL	2015
		LA	3	ZINC OXIDE SURGE ARRESTOR	2015
		1-Ph Current Transformer	3	SCT	2015
		3 Phase Isolator with/without Earth switch	3	RP ENGG.WORKS	2015
132/33 KV Transformer bay(LV)	T1	Transformer control	1	DANISH	2015
		3 Phase Circuit Breaker	1	CGL	2012
		LA	3	.....	2015
		1-Ph Current Transformer	3	ADVENT ENTERPRISES	2015
		3 Phase Isolator with/without Earth switch	3	.....	1996
132/33 KV Transformer bay(LV)	T2	Transformer control	1	ABB	2011
		3 Phase Circuit Breaker	1	ABB	2011
		LA	3		
		1-Ph Current Transformer	3	vishal	2011

Sheet1

		3 Phase Isolator with/without Earth switch		3	SIEMENS	2011
	T3	Transformer control		1	SYSTEM AND CONTROL	2015
132/33 KV Transformer bay(LV)		3 Phase Circuit Breaker		1	CGL	2015
		LA		3	ZINC OXIDE SURGE ARRESTOR	2015
		1-Ph Current Transformer		3	SCT	2015
		3 Phase Isolator with/without Earth switch		3	RP ENGG.WORKS	2015
		Line control & relay panel with Distance protection & O/C E/F protection		1	GEC Alsthom	1996
132 KV Buscoupler bay		3 Phase Circuit Breaker		1	CGL	1996
		1 Ph PT		3	.....	1996
		LA	nil		.....	...
		1-Ph Current Transformer		3	SCT	1996
		3 Phase Isolator with/without Earth switch		3	.....	1996
33 KV Feeder		Line control & relay panel with O/C E/F protection		1	GEC Alsthom	1996
		3 Phase Circuit Breaker		1	CGL	2013
		LA		3	.....	1996
		1-Ph Current Transformer		3	ME CIRCUIT	...
		3 Phase Isolator with/without Earth switch		3	.....	1996
	Samhtta line					
33 KV Feeder		Line control & relay panel with O/C E/F protection		1	ABB	2011
		3 Phase Circuit Breaker		1	ABB	2011
		LA		3	CGL	2011
		1-Ph Current Transformer		3	vishal	2011
		3 Phase Isolator with/without Earth switch		3	SIEMENS	2011
	Kerpa Line					
		Line control & relay panel with O/C E/F protection		1	GEC Alsthom	1996

Sheet1

33 KV Feeder	Nawhatta Line	3 Phase Circuit Breaker	1	CGL	2013
		LA	3	.....	1996
		1-Ph Current Transformer	3	MODERN ELECTRONICS	2012
		3 Phase Isolator with/without Earth switch	3	.....	1996
33 KV Feeder	Indreapuri Line	Line control & relay panel with O/C E/F protection	1	ABB	2011
		3 Phase Circuit Breaker	1	ABB	2011
		LA	3	CGL	2011
		1-Ph Current Transformer	3	vishal	2011
		3 Phase Isolator with/without Earth switch	3	SIEMENS	2011
33 KV Buscoupler		Line control & relay panel with Distance protection & O/C E/F protection	1	GEC Alsthom	1996
		3 Phase Circuit Breaker	1	CGL	2013
		1 Ph PT	3	.....	1996
		LA	nil	.....	...
		1-Ph Current Transformer	3	MODERN	2012
		3 Phase Isolator with/without Earth switch	3	.....	1996

**Other Substation Equipments -**

Battery Charger	1	1	AMARA RAJA	2016
	2	NA		
ACDB				
DCDB(110V/48V)				
Battery bank	1	1	EXIDE	2016
	2	NA		
DG set		NA		
PLCC Equipment	1.Isolator	NA		
	2. Battery Charger	1	ELTEK SGS PVT LTD	2018
	3. Panel	2	PUMCOM,ABB	2018
	4.telephone	AVAILABLE		
Hydrant system with Pipe arrangement		NO		
Fire Fighting Equipment		YES		
Earthing Rods		YES		
Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)		YES		
Testing Equipments		NO		
Safety Gear(Helmet,Gloves,Boot, etc.)		YES		
SST		YES		
Spare Hardware Fitting.		AVAILABLE		



## Sample format for GSS land assets

### GSS:- Banjari

	LOCATION	
01	Name of GSS	Gss Banjari
02	Located at ( Name of locality)	Samhutta(Banjari)
03	Block/Prakhand	Rohtas
04	Police Station (Thana)	Rohtas
05	Sub-Division	Dehri On Sone
06	District	Rohtas
07	Transmission Division	Dehri on Sone
08	Transmission Circle	Dehri on Sone
09	GPS Co-ordinates	25.4N&84.4E IN degree
	LAND DETAILS	
10	Initial Area (In Acre)	Almost 2.00 acres
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	
	(ii) Private Land	PRIVATE LAND
	If Private Land, Whether	
	(i) Purchased	PURCHASED
	(ii) Acquired	
	(iii) Leased Land	
12	Year of Purchase/Acquisition	1993
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	Acquired from SBPDCL (15m*22m) in 2017 for construction pf 132kv banjari sasaram ckt 2 bay.
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.	683(Rohtas)
	Name of Municipality/Nagar Parishad etc.	
	Ward No./Circle No./ Holding No.	Ward No-09
	Amount of Early Land related Taxes	
	Taxes clear up to	
22	Land Records available with	

### Details of Existing Equipment

Name of Circle: Dehri- on- sone

Name of GSS: 132/33KV BHABHUA

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				
	220/132 KV Transformer bay(HV)	1st bay..	Transformer control & 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			
	3 Phase Isolator with/without Earth switch			
132 KV Line bay	Line control & relay panel with Distance protection & O/C E/F protection	2	Danish	27/06/2017
	3 Phase Circuit Breaker	2	Siemens	27/06/2017
	1 Ph CVT	6	Alstom	27/06/2017
	LA	6	LAMCO	27/06/2017
	1-Ph Current Transformer	6	SCT LTD.	27/06/2017
	3 Phase Isolator with/without Earth switch	6	JD ELECTRICALS	27/06/2017
132/33 KV Transformer bay(HV)	Transformer control &	2	Danish	27/06/2017
	3 Phase Circuit Breaker	2	Siemens	27/06/2017
	LA	6	LAMCO	27/06/2017
	1-Ph Current Transformer	6	SCT LTD.	27/06/2017
		3 Phase Isolator with/without Earth switch	6	JD ELECTRICALS
132/33 KV Transformer bay(LV)	Transformer control &	2	Danish	27/06/2017
	3 Phase Circuit Breaker	2	SCHNEIDER	27/06/2017
	LA	6	LAMCO	27/06/2017
	1-Ph Current Transformer	6	SCT LTD	27/06/2017
		3 Phase Isolator with/without Earth switch	6	JD ELECTRICALS
132 KV Buscoupler bay	Line control & relay panel with Distance protection & O/C E/F protection	1	Danish	27/06/2017
	3 Phase Circuit Breaker	1	Siemens	27/06/2017
	1 Ph PT	1	SCT LIMITED	27/06/2017
	LA	0		
	1-Ph Current Transformer	3	SCT LTD	27/06/2017
	3 Phase Isolator with/without Earth switch	3	JD ELECTRICALS	27/06/2017
	Line control & relay panel with O/C E/F protection	6	Danish	27/06/2017

33 KV Feeder	3 Phase Circuit Breaker	6	SCHNEIDER	27/06/2017
	LA	18	LAMCO	27/06/2017
	1-Ph Current Transformer	18	SCT LTD	27/06/2017
	3 Phase Isolator with/without Earth switch	18	JD ELECTRICALS	27/06/2017
33 KV Buscoupler	Line control & relay panel with Distance protection & O/C E/F protection	1	Danish	27/06/2017
	3 Phase Circuit Breaker	1	SCHNEIDER	27/06/2017
	1 Ph PT	1	SCT LTD	27/06/2017
	LA	0		27/06/2017
	1-Ph Current Transformer	3	SCT LTD	27/06/2017
	3 Phase Isolator with/without Earth switch	3	JD ELECTRICALS	27/06/2017

**Other Substation Equipments -**

Battery Charger	1	250V	2	CHLORIDE	27/06/2017
	2	48V	2	CHLORIDE	27/06/2017
ACDB			1	ASIAN SWITCHGEAR	27/06/2017
DCDB(110V/48V)			1	ASIAN SWITCHGEAR	27/06/2017
Battery bank	1	250V	2	EXIDE	27/06/2017
	2	48V	2	EXIDE	27/06/2017
DG set			1	JACKSON	27/06/2017
PLCC Equipment	1.Isolator		6	JD ELECTRICALS	
	2. Battery Charger		2	CHLORIDE	
	3. Panel		4	ALSTOM	
	4.telephone			BEETEL	
Hydrant system with Pipe arrangement					
Fire Fighting Equipment			6	KANEX	
Earthing Rods			6	Hindusthan Industrial Syndicate	
Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)					
Testing Equipments					
Safety Gear(Helmet,Gloves,Boot, etc.)			12,1	PRIMA, TURBO	
SST			2	EAST INDIA	27/06/2017
Spare Hardware Fitting.					

## Sample format for GSS land assets

### **GSS:- BHABHUA**

	LOCATION	
01	Name of GSS	Gss BHABHUA
02	Located at ( Name of locality)	Bhagwanpur
03	Block/Prakha	Bhagwanpur
04	Police Station (PS)	
05	Sub-Division	BHABUA
06	District	Kaimur
07	Transmission Division	Dehri on Sone
08	Transmission Circle	Dehri on Sone
09	GPS Co-ordinates	
	LAND DETAILS	
10	Initial Area (In Acre)	Almost 4.00 acres
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	YES
	(ii) Private Land	
	If Private Land, Whether	
	(i) Purchased	
	(ii) Acquired	
	(iii) Leased Land	
12	Year of Purchase/Acquisition	2015
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)	Khata No.-95,Khesara No.- 292,293,294,285&286
	Thana No.	909
	Name of Municipality/Nagar Parishad etc.	
	Ward No./Circle No./ Holding No.	Ward No-09
	Amount of Early Land related Taxes	
	Taxes clear up to	
22	Land Records available with	

**Details of Existing Equipment**

Name of Circle: **DEHRI ON DONE**

Name of GSS: **132/33 KV GSS BIKRAMGANJ**

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
	132 KV Dehri Line bay	Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	ABB	2005
		1 Ph CVT	3	CGL	2005
		LA	3	ELPRO	2005
		1-Ph Current Transformer	3	CGL	2005
		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
	132 KV Dumraon Line bay	Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	CGL	2012
		1 Ph CVT	3	CGL	2005
		LA	3	ELPRO	2005
		1-Ph Current Transformer	3	CGL	2005
		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
	132 KV Piro Line bay	Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	2017
		3 Phase Circuit Breaker	1	CGL	2017
		1 Ph CVT	3	CGL	2017
		LA	3	CGL	2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	J D ELECTRICAL	2017
	132/33 KV Transformer No-1 bay(HV)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	ABB	2005
		LA	3	ELPRO	2005
		1-Ph Current Transformer	3	CGL	2005
		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
	132/33 KV Transformer No-2 bay(HV)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	ABB	2005
		LA	3	ELPRO	2005
		1-Ph Current Transformer	3	CGL	2005
		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
	132/33 KV Transformer No-3 bay(HV)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	SYSTEM CONTROL PVT LTD	2017
		3 Phase Circuit Breaker	1	CGL	2015
		LA	3	CGL	2015

		1-Ph Current Transformer	3	SCT LTD	2015
		3 Phase Isolator with/without Earth switch	3	PRE	2015
132/33 KV Transformer No-1 bay(LV)		Transformer control & relay panel with Differential protection & O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	ABB	2005
		LA	3	ELPRO	2005
		1-Ph Current Transformer	3	VIDYUT CONTROL SYSTEM	2005
		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
132/33 KV Transformer No-2 bay(LV)		Transformer control & relay panel with Differential protection & O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	SCHNEIDER ALSTOM	2017
		LA	3	ELPRO	2005
		1-Ph Current Transformer	3	SCT LTD	2005
		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
132/33 KV Transformer No-3 bay(LV)		Transformer control & relay panel with Differential protection & O/C E/F protection	1	SYSTEM CONTROL PVT LTD	2017
		3 Phase Circuit Breaker	1	CGL	2015
		LA	3	CGL	2015
		1-Ph Current Transformer	3	LAMCO INDUSTRIES PVT LTD	2015
		3 Phase Isolator with/without Earth switch	3	PRE	2015
132 KV Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	ABB	2005
		1 Ph PT	0		
		LA	0		
		1-Ph Current Transformer	3	CGL	2005
33 KV BIKRAMGANJ Feeder		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
		Line control & relay panel with O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	MEGAWIN	2009
		LA	3	ELPRO	
		1-Ph Current Transformer	3	VCS PVT LTD	2005
33 KV NATWAR Feeder		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
		Line control & relay panel with O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	ABB	2005
		LA	3	ELPRO	
	1-Ph Current Transformer	3	VCS PVT LTD	2005	

		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
33 KV DAWATH Feeder		Line control & relay panel with O/C E/F protection	1	VENSON ELET. PVT LTD	2005
		3 Phase Circuit Breaker	1	AREVA	2007
		LA	3	ELPRO	
		1-Ph Current Transformer	3	VIDYUT CONTROL SYSTEM	2006
		3 Phase Isolator with/without Earth switch	3	ELECTROLITE	2006
33 KV SANJHAULI Feeder		Line control & relay panel with O/C E/F protection	1	VENSON ELET. PVT LTD	2005
		3 Phase Circuit Breaker	1	STELMEC	2015
		LA	3	ELPRO	
		1-Ph Current Transformer	3	VIDYUT CONTROL SYSTEM	2006
		3 Phase Isolator with/without Earth switch	3	ELECTROLITE	2006
33 KV SURAJPURA Feeder		Line control & relay panel with O/C E/F protection	1	VENSON ELET. PVT LTD	2005
		3 Phase Circuit Breaker	1	AREVA	2007
		LA	3	ELPRO	
		1-Ph Current Transformer	3	VIDYUT CONTROL SYSTEM	2007
		3 Phase Isolator with/without Earth switch	3	ELECTROLITE	2006
33 KV TARARI Feeder		Line control & relay panel with O/C E/F protection	1	VENSON ELET. PVT LTD	2005
		3 Phase Circuit Breaker	1	MEGAWIN	2009
		LA	3	ELPRO	
		1-Ph Current Transformer	3	VIDYUT CONTROL SYSTEM	2006
		3 Phase Isolator with/without Earth switch	3	ULTIMA	2006
33 KV Buscoupler		Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	2005
		3 Phase Circuit Breaker	1	CGL	2013
		1 Ph PT	3	VIDYUT CONTROL SYSTEM	2004
		LA	0		
		1-Ph Current Transformer	0		
		3 Phase Isolator with/without Earth switch	3	ELPRO	2005
TRANSFORMERS	T1	CAPACITY 20MVA	1	INDOTECH	2005
	T2	CAPACITY 50MVA	1	ECE	2017
	T3	CAPACITY 50MVA	1	KANO HAR	2016
<b>Other Substation Equipments -</b>					
Battery Charger	1		1	HBL NIFE POWER SYS LTD	2005
	2		1	AMARA RAJA POWER SYS LTD	2017



	ACDB-1A	1	MAKTEL SYSTEM	2005
	ACDB-2A	1	MAKTEL SYSTEM	2005
	ACDB(ELDB)	1	MAKTEL SYSTEM	2005
	ACDB(MLDB)-3A	1	MAKTEL SYSTEM	2005
	ACDB	1	VIKAS POWER EQ PVT LTD	2016
	DCDB(250)-1D	1	MAKTEL SYSTEM	2005
	DCDB(50V)-2D	1	MAKTEL SYSTEM	2005
	DCDB(250V)	1	VIKAS POWER EQ PVT LTD	2017
	Battery bank(250V) 1	125	TAURAS HBL NIFE	2005
	2	112	EXIDE	2017
	Battery bank(50V) 1	24	FIBCOM	2018
	DG set	1	CUMIN SUDHIR	2005
PLCC Equipment	1.Isolator	0		
	2. Battery Charger	1	HBL NIFE POWER SYS LTD	2005
		1	FIBCOM	2018
	3. Panel	5	ABB(3),PUNCO M,CGL	
	4.telephone	2		
	RTU	1	Chemtrols	
	Hydrant system with Pipe arrangement	0		
	Fire Fighting Equipment	17		
	Earthing Rods	6		
	Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)	20	Taparia	2009
	Testing Equipments	0		
	Safety Gear(Helmet,Gloves,Boot, etc.)	22		
	SST(315kva)	1		2005
	Spare Hardware Fitting.			

**GSS land assets**  
**GSS:- 132/33KV Bikramganj**

	LOCATION	
01	Name of GSS	132/33 KV Bikramganj
02	Located at ( Name of locality)	Imirta, Aliganj
03	Block/Prakhand	Surajpura
04	Police Station (Thana)	Surajpura
05	Sub-Division	Bikramganj
06	District	Rohtas
07	Transmission Division	Dehri on sone
08	Transmission Circle	Dehri on sone
09	GPS Co-ordinates	25°15'46.9"N 84°14'25.1"E
	LAND DETAILS	
10	Initial Area (In Acre)	3.34 Acre
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	2005
13	Whether mutation completed	No
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	No
16	Area of the extra land for GSS	
17	Cost	
20	Year of Purchase/lease of extra land	
21	Total area at present	3.34 Acre
	Details of Land (Khata/Khesara)	Khata-63,612 Khesra-37,38,39,399/2788,398,399,400, 401,402,403,396
	Thana No.	462,463
	Name of Municipality/Nagar Parishad etc.	Bikramganj
	Ward No./Circle No./ Holding No.	Imirta-15
	Amount of Early Land related Taxes	
	Taxes clear up to	
22	Land Records available with	

**Details of Existing Equipment**

Name of Circle: Dehri Onson

Name of GSS: Buxar

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
132 KV Line bay	1st bay	Line control & relay panel with Distance protection & O/C E/F protection	1	SIEMENS	01-02-10
		3 Phase Circuit Breaker	1	SIEMENS	01-02-10
		1-Ph CVT	3	C G L	01-02-10
		LA	3	C G L	01-02-10
		1-Ph Current Transformer	3	C G L	01-02-10
		3 Phase Isolator with/without Earth switch	3	SIEMENS	01-02-10
	2nd bay..	Line control & relay panel with Distance protection & O/C E/F protection	1	SYSTEM CONTROL & AUTOMATION PVT. LTD.	31-05-18
		3 Phase Circuit Breaker	1	SIEMENS	31-05-18
		1-Ph CVT	3	SIEMENS	31-05-18
		LA	3	C G L	31-05-18
		1-Ph Current Transformer	3	SCT Limited	31-05-18
		3 Phase Isolator with/without Earth switch	3	SIEMENS	31-05-18
132/33 KV 20 MVA Transformer bay(HV)	1st bay..	Transformer control & relay panel	1	SIEMENS	01-02-10
		3 Phase Circuit Breaker	1	SIEMENS	01-02-10
		LA	3	C G L	01-02-10
		1-Ph Current Transformer	3	C G L	01-02-10
		3 Phase Isolator with/without Earth switch	3	SIEMENS	01-02-10
132/33 KV 20 Transformer bay(LV)		Transformer control & relay panel with Differential protection & O/C E/F protection	1	SIEMENS	01-02-10
		3 Phase Circuit Breaker	1	SIEMENS	01-02-10
		LA	3	C G L	01-02-10
		1-Ph Current Transformer	3	Vidyuth Systems Pvt. Ltd.	01-02-10
		3 Phase Isolator with/without Earth switch	3	SIEMENS	01-02-10
132/33 KV 50 MVA Transformer(MAKE ECE) bay(HV)	1st bay..	Transformer control & relay panel	1	POWERTECH	25-03-18
		3 Phase Circuit Breaker	1	SIEMENS	25-03-18
		LA	3	C G L	25-03-18
		1-Ph Current Transformer	3	C G L	25-03-18
		3 Phase Isolator with/without Earth switch	3	SIEMENS	25-03-18
132/33 KV 50 MVA Transformer(MAKE ECE) bay(LV)		Transformer control & relay panel	1	POWERTECH	25-03-18
		3 Phase Circuit Breaker	1	SIEMENS	25-03-18
		LA	3	C G L	25-03-18
		1-Ph Current Transformer	3	SCT Limited	25-03-18
		3 Phase Isolator with/without Earth switch	3	SIEMENS	25-03-18
132/33 KV Transformer(MAKE BBL) bay(HV)		Transformer control & relay panel	1	VENSON ELECTRIC	19-03-16
		3 Phase Circuit Breaker	1	C G L	19-03-16
		LA	3	ELEKTROLITES LTD.	19-03-16
		1-Ph Current Transformer	3	SCT Limited	19-03-16
		3 Phase Isolator with/without Earth switch	3	ELEKTROLITES LTD.	19-03-16
132/33 KV Transformer(MAKE BBL) bay(LV)		Transformer control & relay panel	1	VENSON ELECTRIC	19-03-16
		3 Phase Circuit Breaker	1	C G L	19-03-16
		LA	3	ELEKTROLITES LTD.	19-03-16
		1-Ph Current Transformer	3	SCT Limited	19-03-16
		3 Phase Isolator with/without Earth switch	3	ELEKTROLITES LTD.	19-03-16
132 KV Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection	1	SIEMENS	01-02-10
		3 Phase Circuit Breaker	1	SIEMENS	01-02-10
		1 Ph PT	3	C G L	01-02-10
		LA	3	C G L	01-02-10
		1-Ph Current Transformer	3	C G L	01-02-10
		3 Phase Isolator with/without Earth switch	2	SIEMENS	01-02-10
		Line control & relay panel with O/C	3	SIEMENS	Buxar 05/06/2010
		3 Phase Circuit Breaker	3	SIEMENS	Buxar 05/06/2010 P.Patti 04/09/2014 Chausa 23/02/2013

33 KV Feeder	Buxar/ Pandeypatti/ Chausa	LA	9	C G L	Buxar 05/06/2010 P.Patti 04/09/2014 Chausa 23/02/2013	
		1-Ph Current Transformer	9	Vidyuth Systems Pvt. Ltd.	Buxar 05/06/2010 P.Patti 04/09/2014 Chausa 23/02/2013	
33 KV Feeder	Industrial/Itarhi /Jaipur	3 Phase Isolator with/without Earth switch	9	SIEMENS	Buxar 05/06/2010 P.Patti 04/09/2014 Chausa 23/02/2013	
		Line control & relay panel with O/C	3	VENSON ELECTRIC	Industrial 08/06/2017	
		3 Phase Circuit Breaker	3	C G L	Industrial 08/06/2017 Itarhi 22/05/2018 Jaipur 18/07/2018	
		LA	9	ELEKTROLITES LTD.	Industrial 08/06/2017 Itarhi 22/05/2018 Jaipur 18/07/2018	
		1-Ph Current Transformer	9	SCT Limited	Industrial 08/06/2017 Itarhi 22/05/2018 Jaipur 18/07/2018	
33 KV Feeder	Purshottampur	3 Phase Isolator with/without Earth switch	9	ELEKTROLITES LTD.	Industrial 08/06/2017 Itarhi 22/05/2018 Jaipur 18/07/2018	
		Line control & relay panel with O/C E/F protection	1	SIEMENS	21-02-10	
		3 Phase Circuit Breaker	1	Schneider	21-02-10	
		LA	3	C G L	21-02-10	
		1-Ph Current Transformer	3	C G L	21-02-10	
33 KV Feeder	Siddhashram Rice Mill	3 Phase Isolator with/without Earth switch	3	SIEMENS	21-02-10	
		Line control & relay panel with O/C	1	VENSON ELECTRIC	28-08-16	
		3 Phase Circuit Breaker	1	C G L	28-08-16	
		LA	3	ELEKTROLITES LTD.	28-08-16	
		1-Ph Current Transformer	3	S C T Limited	28-08-16	
33 KV Buscoupler bay		3 Phase Isolator with/without Earth switch	3	ELEKTROLITES LTD.	28-08-16	
		Line control & relay panel with Distance protection & O/C E/F protection	1	SIEMENS	01-02-10	
		3 Phase Circuit Breaker	1	SIEMENS	01-02-10	
		1 Ph PT	3	C G L	01-02-10	
		1-Ph Current Transformer	3	Vidyuth Systems Pvt. Ltd.	01-02-10	
DCDB(110V/48V)		250 V DCDB - 01 No 48 V DCDB- 02 Nos.		Maktel Systems		
Battery bank	1	2 V -300 AH Tubular LMLA battery 125 Nos		HBL Power Systems Ltd.	01-01-16	
	2					
DG set		1		Powerica		
PLCC Equipment	1.Isolator					
	2. Battery Charger		1	ELTEK SGS PVT.LTD		
	3. Panel		5 Nos.		02 Nos. BPL Telecom Pvt.Ltd. 02 Nos. ABB 01 No. PUNCOM	
	4.telephone		02 Nos.			
Hydrant system with Pipe arrangement		Nil				
Fire Fighting Equipment		23 Nos.				
Earthing Rods		09 Nos.				
Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)				Wrench 01 set Screw driver 01 set Allen Key 01 set Hammer 01 No. Pipe wrench 01 No Pliers 02 Nos Tester 01 No.		
Testing Equipments		Multimeter 01 No BDV Test Kit 01 No. IR Tester 02 No.		Motwane Beacon Motwane, Taurus		

	Safety Gear(Helmet,Gloves,Boot, etc.)		Gum boot 03 pairs Gloves 03 pairs Helmet 10 Nos. Safety belt 02 Nos Rain Coat 02 Nos.	
	SST	1	Vijai Electricals Limited	01-02-10
	Spare Hardware Fitting.	400-200-100/1A CT- 07 Nos 600-300-150/1 A CT - 04 No. CVT – 01 No 1200-600-300-150/1 A CT - 02 Nos. Buchholz Relay 03 Nos WTI 03 Nos. OTI 03 Nos.	Vidyuth Systems Pvt. Ltd. C G L C G L SCT Limited	

## Sample format for GSS land assets

### **GSS:- -----BUXAR-----**

	LOCATION	
01	Name of GSS	Buxar
02	Located at ( Name of locality)	Nathpur
03	Block/Prakhand	Itarhi
04	Police Station (Thana)	Itarhi
05	Sub-Division	Buxar
06	District	Buxar
07	Transmission Division	Ara
08	Transmission Circle	Dehri Onsone
09	GPS Co-ordinates	25° 30' 5.8"N,84° 0' 29.61"E
	LAND DETAILS	
10	Initial Area (In Acre)	6.87
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	Yes
	(ii) Private Land	Yes
	If Private Land, Whether	
	(i) Purchased	
	(ii) Acquired	Yes
	(iii) Leased Land	
12	Year of Purchase/Acquisition	2009
13	Whether mutation completed	Record not available at gss office
14	Cost of the Land (At the time of procurement)	Record not available at gss office
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	No
17	Cost	
20	Year of Purchase/lease of extra land	
21	Total area at present	6.87 Acre
	Details of Land (Khata/Khesara)	9/423,9/426,96/217,120/427,119/424,119/428
	Thana No.	276,273
	Name of Municipality/Nagar Parishad etc.	Village Bairi
	Ward No./Circle No./ Holding No.	
	Amount of Early Land related Taxes	
	Taxes clear up to	
22	Land Records available with	Record not available at gss office

**Details of Existing Equipment**

220/132/33KV GRID SUB STATION DEHRI ON SONE CIRCLE -DEHRI ON SONE

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning	
	220 KV Line Bay	pusauli	Line control & relay panel with Distance protection & O/C E/F protection	1	Alstom	2017
			3 Phase Circuit Breaker	1	Areva	2011
			1-Ph CVT	1		1978
			LA	3	Lamco	2017
			1-Ph Current Transformer	3	Areva	2011
			3 Phase Isolator with/without Earth switch	3	Faradays electric/without earth switch	2012
		gaya(PG)ckt-1	Line control & relay panel with Distance protection & O/C E/F protection	1	Alstom	2017
			3 Phase Circuit Breaker	1	Areva	2011
			1-Ph CVT	1		1978
			LA	3	Lamco	2017
			1-Ph Current Transformer	3	Areva	2011
			3 Phase Isolator with/without Earth switch	3	Faradays electric/without earth switch	2012,LI 2017
		gaya(PG)ckt-2	Line control & relay panel with Distance protection & O/C E/F protection	1	SIEMENS	2005
			3 Phase Circuit Breaker	1	Areva	2011
			1-Ph CVT	na		
	LA		3	Lamco	2017	
	1-Ph Current Transformer		3	Areva	2011	
	3 Phase Isolator with/without Earth switch		3	Faradays electric/without earth switch	2012	
	nadokhar ckt-1	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016	
		3 Phase Circuit Breaker	1	SIEMENS	2016	
		1-Ph CVT	3	BHEL	2016	
		LA	3	OBLUM	2016	
		1-Ph Current Transformer	3	BHEL	2016	
		3 Phase Isolator with/without Earth switch	3	GR POWER SWICHGEAR WITH EARTH	2016	
nadokhar ckt-2	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016		
	3 Phase Circuit Breaker	1	SIEMENS	2011		
	1-Ph CVT	3	BHEL	2016		
	LA	3	OBLUM	2016		
	1-Ph Current Transformer	3	BHEL	2016		
	3 Phase Isolator with/without Earth switch	3	GR POWER SWICHGEAR	2016		
220/132 KV Transformer bay(HV)	T-1	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Alstom	2017	
		3 Phase Circuit Breaker	1	Areva	2012	
		LA	3	lamco	2017	
		1-Ph Current Transformer	3	areva	2012	
		3 Phase Isolator with/without Earth switch	3	faradays electric/without earth switch	2012	
220/132 KV Transformer-1 bay(LV)	T-1	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Alstom	2017	
		3 Phase Circuit Breaker	1	SIEMENS	2009	
		LA	3	lamco	2017	
		1-Ph Current Transformer	3	MEHRU	2017	
		3 Phase Isolator with/without Earth switch	3	faradays electric/without earth switch	2012	
220/132 KV Transformer bay(HV)	T-2	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Alstom	2017	
		3 Phase Circuit Breaker	1	Areva	2012	
		LA	3	lamco	2017	

		1-Ph Current Transformer	3	areva	2012
		3 Phase Isolator with/without Earth switch	3	faradays electric/without earth switch	2012-17
220/132 KV Transformer bay(LV)	T-2	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Alstom	2017
		3 Phase Circuit Breaker	1	Areva	2012
		LA	3	lamco	2017
		1-Ph Current Transformer	3	Mehru	2017
		3 Phase Isolator with/without Earth switch	3	faradays electric/without earth switch	2012
220/132 KV Transformer bay(HV)	T-3	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ABB	2012
		3 Phase Circuit Breaker	1	ABB	2012
		LA	3	CGL	2012
		1-Ph Current Transformer	3	CGL	2012
		3 Phase Isolator with/without Earth switch	3	SIEMENS WITH EARTH SWITCH	2012
220/132 KV Transformer bay(LV)	T-3	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ABB	2012
		3 Phase Circuit Breaker	1	ABB	2012
		LA	3	CGL	2012
		1-Ph Current Transformer	3	CGL	2012
		3 Phase Isolator with/without Earth switch	3	SIEMENS	2012
220/132 KV Transformer bay(HV)	T-4	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Alstom	2017
		3 Phase Circuit Breaker	1	Areva	2012
		LA	3	lamco	2017
		1-Ph Current Transformer	3	areva	2012
		3 Phase Isolator with/without Earth switch	3	faradays electric/without earth switch	2012
220/132 KV Transformer bay(LV)	T-4	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Alstom	2017
		3 Phase Circuit Breaker	1	SIEMENS	2012
		LA	3	lamco	2017
		1-Ph Current Transformer	3	MEHRU	2017
		3 Phase Isolator with/without Earth switch	3	faradays electric/without earth switch	2012
		3 Phase Circuit Breaker	1	Areva	2012
		1 Ph PT	3	MEHRU	2018
		LA	NA		
		1-Ph Current Transformer	3	Areva	2012
		3 Phase Isolator with/without Earth switch	3	Faradays elecric,LI is very old	2012-78
		Line control & relay panel with O/C E/F protection	1	Alstom	2017
		3 Phase Circuit Breaker	1	ALSTOM	2017
		1 Ph CVT	3	CGL	2007
LA	3	CGL	2007		
SONENAGAR-1		1-Ph Current Transformer	3	CGL	2007
		3 Phase Isolator with/without Earth switch	3	siemens	2007
		Transformer control & relay panel with Differential protection & O/C E/F protection	1	Siemens	2007
		3 Phase Circuit Breaker	1	siemens	2007
		1 Ph CVT	3	CGL	2007
SONENAGAR-2		LA	3	ELPRO INTERNATIONAL	2007
		1-Ph Current Transformer	3	VISHAL	2018
		3 Phase Isolator with/without Earth switch	3	FARADAYS ELEC.	2012
		Transformer control & relay panel with Differential protection & O/C E/F protection		Siemens	2007



132 KV Line bay	KARAMNASA-1	3 Phase Circuit Breaker	1	Siemens	2009
		1 Ph CVT	1		VERY OLD
		LA	3	LAMCO,ELPRO INTERNATIONAL	2017-93
		1-Ph Current Transformer	3	MEHRU	2017
		3 Phase Isolator with/without Earth switch	3	FARADAYS ELEC.	2012
		Transformer control & relay panel with Differential protection & O/C E/F protection		ALSTOM	2017
	BANJARI	3 Phase Circuit Breaker	1	Areva	2012
		1 Ph CVT	1		VERY OLD
		LA	3	OBLUM,ELPRO INTERNATIONAL	2000
		1-Ph Current Transformer	3	MEHRU	2017
		3 Phase Isolator with/without Earth switch	3	FARADAYS ELEC.	2012
		Transformer control & relay panel with Differential protection & O/C E/F protection		ALSTOM	2017
	BIKRAMGANJ	3 Phase Circuit Breaker	1	Areva	2012
		1 Ph CVT	1		VERY OLD
		LA	3	ELPRO INTERNATIONAL	1993
		1-Ph Current Transformer	3	MEHRU	2017
		3 Phase Isolator with/without Earth switch	3	FARADAYS ELEC.	2012
		Transformer control & relay panel with Differential protection & O/C E/F protection		ALSTOM	2017
KARAMNASA-2	3 Phase Circuit Breaker	1	CGL	1998	
	1 Ph CVT	1	CGL	1998	
	LA	3	CGL	1998	
	1-Ph Current Transformer	3	WSI	1998	
	3 Phase Isolator with/without Earth switch	3	ELPRO INTERNATIONAL	1998	
	Transformer control & relay panel with Differential protection & O/C E/F protection	1	IMP	1998	
KOCHAS	3 Phase Circuit Breaker	1	ABB	2012	
	1 Ph CVT	3	CGL	2012	
	LA	3	CGL	2012	
	1-Ph Current Transformer	3	CGL	2012	
	3 Phase Isolator with/without Earth switch	3	siemens	2012	
	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ABB	2012	
132/33 KV Transformer	3 Phase Circuit Breaker	1	CGL	2009	
	LA	3	Lamco	2017	
	1-Ph Current Transformer	3	Mehru	2017	
	3 Phase Isolator with/without Earth switch	3	faradays electric/without earth switch	2012	
	Transformer control & relay panel with Differential protection & O/C E/F protection	1	pannel english electric,all relay micom		
132/33 KV Transformer bay(LV)	3 Phase Circuit Breaker	1	Siemens	2017	
	LA	3	Lamco	2017	
	1-Ph Current Transformer	3	modern electric	2009	
	3 Phase Isolator with/without Earth switch	3	LI-FARADAYS ELEC.,MBI-OLD,TBI-OLD	2,012	
	Line control & relay panel with Distance protection & O/C E/F protection	1	English ele.,relay-micom	1,97,82,014	
132/33 KV Transformer	3 Phase Circuit Breaker	1	AREVA	2012	
	LA	3	Lamco	2017	
	1-Ph Current Transformer	3	Mehru	2017	

		3 Phase Isolator with/without Earth switch	3	faradays electric/without earth switch	2012
	T-2	Transformer control & relay panel with Differential protection & O/C E/F protection	1	panel english electric,all relay micom	1,97,82,014
132/33 KV Transformer bay(LV)		3 Phase Circuit Breaker	1	stelmecc	2015
		LA	3		old
		1-Ph Current Transformer	3	1-mehru,2-old	2017-16
		3 Phase Isolator with/without Earth switch	3	FARADAYS Elec.	2,012
	T-2	Line control & relay panel with Distance protection & O/C E/F protection	Enlish	English ele.,relay-micom	1978-14
132/33 KV Transformer bay(HV)		3 Phase Circuit Breaker	1	CGL	2016
		LA	3	electrolites	2016
		1-Ph Current Transformer	3	SCT	2016
		3 Phase Isolator with/without Earth switch		electrolites,with out earth switch	2016
	T-3	Transformer control & relay panel with Differential protection & O/C E/F protection	1	VENSION	2016
		3 Phase Circuit Breaker	1	CGL	2016
		LA	3	electrolites	
		1-Ph Current Transformer	3	SCT	2016
		3 Phase Isolator with/without Earth switch		electrolites,with out earth switch	2016
	T-3	Line control & relay panel with Distance protection & O/C E/F protection	1	VENSION	2016
		3 Phase Circuit Breaker	1	Areva	2012
132/33 KV Transformer bay(LV)		1 Ph PT	3	mehru	2017
		LA	NA		
		1-Ph Current Transformer	3	mehru	2017
		3 Phase Isolator with/without Earth switch	3	faradays elec.	2012-2017
		Line control & relay panel with O/C E/F protection	1	alstom	2017
132 KV Buscoupler bay		3 Phase Circuit Breaker	1	CGL	2016
		LA	3	electrolites	2016
		1-Ph Current Transformer	3	SCT(FOR spare bay shree electro)	2016
		3 Phase Isolator with/without Earth switch		electrolites	2016
	MAKRAEN/COAL DEPO/SPARE BAY	Line control & relay panel with Distance protection & O/C E/F protection	1	VENSION	2016
		3 Phase Circuit Breaker	1	AREVA	2006
		LA	3	LAMCO	2017
		1-Ph Current Transformer	3	SCT	2002
		3 Phase Isolator with/without Earth switch	3	OLD	
	HYDLE	Line control & relay panel with Distance protection & O/C E/F protection	1	alstom	2017
		3 Phase Circuit Breaker	1	AREVA	2006
		LA	3	LAMCO	2017
		1-Ph Current Transformer	3	FLORAL ELEC.	2008
		3 Phase Isolator with/without Earth switch	3	OLD	
	JVL	Line control & relay panel with Distance protection & O/C E/F protection	1	alstom	2017
		3 Phase Circuit Breaker	1	AREVA	2006
		LA	3	LAMCO	2017
		1-Ph Current Transformer	3	MEHRU	2017
		3 Phase Isolator with/without Earth switch	3	MBI-FE,LI,TBI-OLD	2012
33 KV Feeder	BMP	Line control & relay panel with Distance protection & O/C E/F protection	1	alstom	2017

33 KV Buscoupler	RAJPUR	3 Phase Circuit Breaker	1	STELMEC	2016
		LA	3		
		1-Ph Current Transformer	3	KAPCO ELEC.	1992
		3 Phase Isolator with/without Earth switch	3	OLD	
		Line control & relay panel with Distance protection & O/C E/F protection	1	VENSION	1992
	AKORHIGOLA	3 Phase Circuit Breaker	1	CGL	2015
		LA	3	LAMCO	2017
		1-Ph Current Transformer	3	MODERN ELEC.	2009
		3 Phase Isolator with/without Earth switch	3	LI,TBI-FE,MBI-OLD	2012,OLD
		Line control & relay panel with Distance protection & O/C E/F protection	1	alstom	2017
	NASARIGANJ	3 Phase Circuit Breaker	1	CGL	2015
		LA	3	LAMCO	2017
		1-Ph Current Transformer	3	FLORAL ELEC.	2006
		3 Phase Isolator with/without Earth switch	3	LI,TBI-FE,MBI-OLD	2012,OLD
		Line control & relay panel with Distance protection & O/C E/F protection	1	alstom	2017
		3 Phase Circuit Breaker	1	CGL	2014
		PT	3	MEHRU	2017
		1-Ph Current Transformer	3	MEHRU	2017
		3 Phase Isolator with/without Earth switch	3	LI-FE,OLD	2012,OLD
		Line control & relay panel with Distance protection & O/C E/F protection	1	alstom	2017

**Other Substation Equipments -**

Battery Charger	CHARGER-1	300AH/250V	1	CLORIDE	2017	
	CHARGER-2	300AH/250V	1	AMRARAJA	2018	
	CHARGER-3	300AH/250V	1	ELECTRO SERVICE	2006	
	CHARGER-4,5	300AH/48V	2	AMRARAJA	2008	
	ACDB	440V		1	EAP	2018
		440V		1	MAKTEL SYSTEM	2007
	DCDB(110V/48V)	1	250V	1	TRANGIENTZ ENTER	1994
		2	250V,48V	1	EAP	2018
	Battery bank	1	250V,300AH	1	EXIDE	2017
		2	250V,300AH	1	HBL	2014
DG set			1	RUSTON AND HORN	1978	
PLCC Equipment	2. Battery Charger		1	ACPL		
	3. Panel			ABB,BPL,PUNCO		
	4.telephone			MM		
Hydrant system with Pipe arrangement						
	Foam	3x50kg			10-07-1905	
	DCP	7x25kg+3kg			10-07-1905	
	CO2	x10+4x5kg			2018	
		9+9+9+2 Kg				
Earthing Rods			9	6 NOS OF LOCAL	2016	
Tools & Tackles(Spanners,Wrench...etc.(Set/Piece)	D-TYPE		10	TAPARIA		
	RING-TYPE		10	TAPARIA		
	Drill machine(Big)		1			
	Drill machine(Small)		1			
	single pulley		2			
	double pulley		1			
	tullu pump		1			
	gallon 50 ltr		4			
	D cycle		2			
	hammer		2			
	hexa frame with blade		1			
	drum key		1			
	four sleeve pulley		1			
	copratue machine		1			
	pipe wrench		2			
	spanner		2			
	GOTI-WRENCH		16	TAPARIA		

			MEGGER	1	TAURUS
			MULTI METER	1	MOTWANI
			TAN DELTA KIT	1	MEGGER
			LINE FOULT DETECTOR	1	TAURUS
			BDV TEST KIT	2	BEACON
			THERMOVISION CAMRA	1	DALI TECH.
	Testing Equipments		PRIMARY INJECTION	1	MOTWANI
			hemlet	10	
	Safety Gear(Helmet, Gloves, Boot, etc.)		gloves	5	
			boot	6	

	SST	SST-1	33/.V4K,315KVA	URISA 1 TRANSFORMER ASSOCIATE	2008
	SST	SST-2	33/.V4K,315KVA	1 ELECTRICALS	2014
			T-CONNECTOR(Z-Z,P,M-D)	15	
			PG CLAMP(Z-Z)	3	
			PALM CONNECTOR	12	

Spare Hardware Fitting.

#### TRANSFORMERS

SI No.	Make	Capacity	Voltage Ratio	Year of Manufacture	Year of Commissioning	PO Number & Date	Remarks
1	CGL	100MVA	220/132KV		2010		repaired by aditya company(2009),UNDER MAINTANACE
2	CGL	24447 100MVA	220/132KV	1978	1983	53 dated 13/10/77	
3	ABB	24082 100MVA	220/132KV	2009	2012		Repaired by ABB (2012)
4	CGL	13085/001 100MVA	220/132KV	1978	2014		repaired by aditya company(2013)
5	GEC	24081 50MVA	132/33KV	1987	1988		
6	BBL	B26780 50MVA	132/33KV	2009	2009		
7	BBL	50MVA	132/33KV	2015	2016		

**Land Asset Details**  
**GSS:-220/132/33KV GSS DOS**

	LOCATION	
01	Name of GSS	220/132/33KV GSS DEHRI ON SONE
02	Located at ( Name of locality)	MATHURAPUR VILLAGE
03	Block/Prakhhand	AKHODIGOLA
04	Police Station (Thana)	DALMIANAGAR
05	Sub-Division	DEHRI ON SONE
06	District	ROHTAS
07	Transmission Division	DEHRI ON SONE
08	Transmission Circle	DEHRI ON SONE
09	GPS Co-ordinates	Lat-24.5802N Long-84.11068E
	LAND DETAILS	
10	Initial Area (In Acre)	24.51acre
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	
	(ii) Private Land	yes
	If Private Land, Whether	
	(i) Purchased	
	(ii) Acquired	
	(iii) Leased Land	
12	Year of Purchase/Acquisition	771468000(AS PER MVR RATE)
13	Whether mutation completed	NA
14	Cost of the Land (At the time of procurement)	N.A
15	Whether more land was purchased /acquired/ Leased in for GSS Extension work? If yes, Give details	Yes.plot-192,khata no-43,mauja ugra,
16	Area of the extra land for GSS	91 decimal
17	Cost	N.A
20	Year of Purchase/lease of extra land	2014
21	Total area at present	
	Details of Land (Khata/Khesara)	PLOT/KHATA-144/195 AND 36/17,65/184(0.56 ACRE)
	Thana No.	
	Name of Municipality/Nagar Parishad etc.	DEHRI DALMIANAGAR
	Ward No./Circle No./ Holding No.	Ward No-01(23.04)ward no21 (0.56),panchayat chadi(0.91 )
	Amount of Early Land related Taxes	N.A
	Taxes clear up to	N.A
22	Land Records available with	TD DEHRI ON SONE

Name of Circle:

DOS

Name of GSS:

DUMRAON

**LIST OF  
EXISTING  
EQUIPMENT  
DETAILS**

Sl. No.		Name of Bay	Equipment Name	Quantity	Make
	132 KV Line Bay	PGCIL (ARA)	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM
			3 Phase Circuit Breaker	01	ALTOM
			1-Ph CVT	03	LAMCO
			LA	03	LAMCO
			1-Ph Current Transformer	03	ARTCHE X MUSA
		3 Phase Isolator with/without Earth switch	03	FARADAY	
		BIKRAMGANJ	Line control & relay panel with Distance protection & O/C E/F protection	01	ABB

		3 Phase Circuit Breaker	01	ABB
		1-Ph CVT	03	CGL
		LA	03	LAMCO
		1-Ph Current Transformer	03	CGL
		3 Phase Isolator with/without Earth switch	03	
132 KV LINE BAY	BUXAR-I	Line control & relay panel with Differential protection & O/C E/F protection	01	SIEMENS
		3 Phase Circuit Breaker	01	SIEMENS
		LA	03	LAMCO
		1-Ph Current Transformer	03	CGL
		1-ph CVT	03	CGL
		3 Phase Isolator with/without Earth switch	03	
132 KV LINE BAY	BUXAR-II	Line control & relay panel with Differential protection & O/C E/F protection	01	SYSTEM AUTOMATION AND CONTROL
		3 Phase Circuit Breaker	01	SIEMENS

		LA	03	LAMCO	
		1-Ph Current Transformer	03	SCT	
		1-ph CVT	03	LAMCO	
		3 Phase Isolator with/without Earth switch	03	SIEMENS	
	132 KV LINE BAY	KOCHAS	Line control & relay panel with Differential protection & O/C E/F protection	01	ALSTOM
			3 Phase Circuit Breaker	01	CGL
			LA	03	
			1-Ph Current Transformer	03	Vishal Transformers
			1-ph CVT	00	
			3 Phase Isolator with/without Earth switch	03	FARADAY



132 KV LINE bay	RAILWAY	Line control & relay panel with Distance protection & O/C E/F protection	01	NA
		2 Phase Circuit Breaker	01	CGL
		1 Ph CVT	00	
		LA	03	LAMCO
		1-Ph Current Transformer	02	SCT LTD.
		3 Phase Isolator with/without Earth switch	03	FARADAY
132 KV B/C bay	B/C	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM
		3 Phase Circuit Breaker		ALSTOM
		1 Ph PT	03	MEHRU VOLTAGE
		LA	03	LAMCO
		1-Ph Current Transformer	03	HEAVY ELE.
		3 Phase Isolator with/without Earth switch	03	FARADAY

132/33 KV Transformer bay(HV)	Transformer	Transformer control & relay panel with Differential protection & O/C E/F protection	02	T-1 –ALSTOM T-2- POWERTECH CABCON
		3 Phase Circuit Breaker	02	T-1-CGL T-2- ALSTOM
		LA	06	LAMCO
		1-Ph Current Transformer	06	T-1-HEL BHOPAL T-2- SCT
		3 Phase Isolator with/without Earth switch	06	FARADAY
132/33 KV Transformer bay(LV)	Transformer	Transformer control & relay panel with Differential protection & O/C E/F protection	02	T-1-ALSTOM T-2- POWERTECH CABCON
		3 Phase Circuit Breaker	02	SCHNEIDER
		LA	06	LAMCO
		1-Ph Current Transformer	06	T-1-LAMCO NDUSTRIES T-2- SCT
		3 Phase Isolator with/without Earth switch	06	FARADAY

33 KV Buscoupler bay	B/C	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM
		3 Phase Circuit Breaker	01	SCHNEIDER
		1 Ph PT	03	MEHRU ELE. MECH. ENGG LTD
		LA	03	LAMCO
		1-Ph Current Transformer	03	R- FLORAL ELE. Y & B- MODERN ELECTRONICS
		3 Phase Isolator with/without Earth switch	03	FARADAY
33 KV Feeder	PRATAPSAGAR	Line control & relay panel with O/C E/F protection	01	ALSTOM
		3 Phase Circuit Breaker	01	SCHNEDIER
		LA	03	LAMCO
		1-Ph Current Transformer	03	R- VISHAL Y&B- FLORAL
		3 Phase Isolator with/without Earth switch	03	FARADAY

33 KV Feeder	MORAR	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM
		3 Phase Circuit Breaker	01	SCHNEIDER
		LA	02	
		1-Ph Current Transformer	03	MODERN ELECTRONICS
		3 Phase Isolator with/without Earth switch	03	FARADAY

33 KV Feeder	DUMRAON	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2015
		3 Phase Circuit Breaker	01	SCHNEIDER	2015
		LA	03		2015
		1-Ph Current Transformer	03	SCT	2016
		3 Phase Isolator with/without Earth switch	03	FARADAY	2015
	BRAHAMPUR	Line control & relay panel with Distance protection & O/C E/F protection	01	ALSTOM	2015

		3 Phase Circuit Breaker	01	SCHNEIDER	2015
		LA	02		2015
		1-Ph Current Transformer	03	R-MODERN Y&B- FLORAL	R- 2016 Y&B- 2009
		3 Phase Isolator with/without Earth switch	03	FARADAY	2015
		Line control & relay panel with Distance protection & O/C E/F protection ( <b>33KV SEMARI</b> )	01	VENSON ELECTRIC	2010
		3 Phase Circuit Breaker ( <b>33KV SEMARI</b> )	01	SCHNEIDER	2015
		LA ( <b>33KV SEMARI</b> )	03		2015
		1-Ph Current Transformer ( <b>33KV SEMARI</b> )	03	KEPCO	2009

		3 Phase Isolator with/without Earth switch <b>(33KV SEMARI)</b>	03	FARADAY	2015
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**Other Substation  
Equipments -**

	Battery Charger	1	01	C H L O R I D E	2016
		2	01	A M A R A J A	2018
	ACDB		02	SYS CONT. & AUTOMATION	
	DCDB(110V/48V)		01	JVS ELE. PVT LTD.	
	Battery bank	1	01	E X C I	2016

			D E	
		2	01	H B L 2010
	DG set		NA	
	PLCC Equipment	1.Isolator		
		2. Battery Charger		
		3. Panel		
		4.telephone		
	Hydrant system with Pipe arrangement			
	Fire Fighting Equipment		10	AJAY INDUSTRIES
	Earthing Rods		06	
	Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)		01 Set	AVAILABLE
	Testing Equipments		09 Equipme nts	
	Safety Gear(Helmet,Gloves,Boot, etc.)		AVAILAB LE	
	SST		01	ASSOCIATED ELECTRICALS
	Spare Hardware Fitting.		NA	

## GSS land assets

### GSS:- Dumraon

	<b>LOCATION</b>	Dumraon
01	Name of GSS	Dumraon
02	Located at ( Name of locality)	Dumraon
03	Block/Prakhand	Dumraon
04	Police Station (Thana)	Naya bhojpur O. P
05	Sub-Division	Dumraon
06	District	Buxar
07	Transmission Division	Ara
08	Transmission Circle	Dehri on sone
09	GPS Co-ordinates	25.5745N, 84.1365E
	<b>LAND DETAILS</b>	
10	Initial Area (In Acre)	12.67
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	
	(ii) Private Land	Private land
	If Private Land, Whether	NA
	(i) Purchased	
	(ii) Acquired	
	(iii) Leased Land	
12	Year of Purchase/Acquisition	NA
13	Whether mutation completed	
14	Cost of the Land (At the time of procurement)	NA
15	Whether more land was purchased /acquired/ Leased in for GSS Extension work? If yes, Give details	NA
16	Area of the extra land for GSS	NA
17	Cost	
20	Year of Purchase/lease of extra land	NA
21	Total area at present	12.67 Acres
	Details of Land (Khata/Khesara)	365/2967,366/2968,1232/2956,1232/2957,1232/2966
	Thana No.	154
	Name of Municipality/Nagar Parishad etc.	
	Ward No./Circle No./ Holding No.	15 Mauza Bhojpur Kadim
	Amount of Early Land related	NA



	Taxes	
	Taxes clear up to	NA
22	Land Records available with	NA

NA: not available

Name of Circle: DOS

Name of GSS: JAGDISHPUR

**LIST OF EXISTING EQUIPMENT DETAILS**

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning	
	132 KV Line Bay	PGCIL (ARA)	Line control & relay panel with Distance protection & O/C E/F protection	01	ABB	2012
			3 Phase Circuit Breaker	01	ABB	2012
			1-Ph CVT	03	CGL	2012
			LA	03	CGL	2012
			1-Ph Current Transformer	03	CGL	2012
			3 Phase Isolator with/without Earth switch	03	SIEMENS	2012
	132/33KV TRANSFORMER BAY (HV)	T-1 (20 MVA) T-2 (50 MVA)	Transformer control & relay panel with Differential protection & O/C E/F protection	02	ABB	T-1- 2012 T-2- 2017
			3 Phase Circuit Breaker	02	ABB	2012
			LA	06	CGL	2012
			1-Ph Current Transformer	06	CGL	T-1- 2012 T-2- 2017

		3 Phase Isolator with/without Earth switch	06	SIEMENS	2012
132/33 KV TRANSFORMER BAY (LV)	T-1 (20 MVA) T-2 (50 MVA)	Transformer control & relay panel with Differential protection & O/C E/F protection	02	ABB	2016
		3 Phase Circuit Breaker	02	ABB	T-1- 2012 T-2-2012
		LA	06	CGL	2012
		1-Ph Current Transformer	06	T-1-Vishal T-2-SCT	T-1-2012 T-2-2017
		3 Phase Isolator with/without Earth switch	06	SIEMENS	2012
	132 KV B/C bay	B/C	Line control & relay panel with Distance protection & O/C E/F protection	01	ABB
3 Phase Circuit Breaker				ABB	2012
1 Ph CVT			03	CGL	2012
LA			03		2012
1-Ph Current Transformer			03	CGL	2012
3 Phase Isolator with/without Earth switch			03	SIEMENS	2012

33 KV Buscoupler bay	B/C	Line control & relay panel with Distance protection & O/C E/F protection	01	ABB	2012
		3 Phase Circuit Breaker	01	ABB	2012
		1 Ph PT	03	VISHAL	2012
		LA			
		1-Ph Current Transformer	03	VISHAL	2012
		3 Phase Isolator with/without Earth switch	03	SIEMENS	2012
33 KV Feeder	JAGDISHPUR BIHIYA GARHANI	Line control & relay panel with O/C E/F protection	03	ABB	2012
		3 Phase Circuit Breaker	03	ABB	2012
		LA	09	CGL	2012
		1-Ph Current Transformer	09	VISHAL	2012
		3 Phase Isolator with/without Earth switch	09	SIEMENS	2012

**Other Substation Equipments -**

Battery Charger	1	01	AMARAJA	2012
	2	01	AMARAJA	2012
ACDB		02	SYS CONT. & AUTOMATION	2012
DCDB(110V/48V)		01	JVS ELE. PVT LTD.	2012
Battery bank	1	01	AMARAJA	2012
	2	01	AMARAJA	2012
DG set		01	CHUMINS	2012
PLCC Equipment	1.Isolator	00		
	2. Battery Charger	02		2012
	3. Panel	04	ABB	2012
	4.telephone	01		
Hydrant system with Pipe arrangement				
Fire Fighting Equipment		23	ZENITH	JUNE 2017
Earthing Rods		06		
Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)		01 Set	AVAILABLE	
Testing Equipments		09 Equipments		
Safety Gear(Helmet,Gloves,Boot, etc.)		AVAILABLE		
SST		01	VIJAY ELE	2012
Spare Hardware Fitting.		NA		

## land assets Details

### GSS:- -Jagdishpur

	LOCATION	
01	Name of GSS	132/33kv GSS -Jagdishpur
02	Located at ( Name of locality)	Jagdishpur
03	Block/Prakhand	Jagdishpur
04	Police Station (Thana)	Jagdishpur
05	Sub-Division	Jagdishpur
06	District	Bhojpur
07	Transmission Division	Ara
08	Transmission Circle	Dehari on Sone
09	GPS Co-ordinates	25.4N & 84.4E in degree
	LAND DETAILS	
10	Initial Area (In Acre)	1.86 Approx.
11	Whether it was:	Jagdishpur
	(i) A Govt. Land (State type GM or )	State Govt. Land
	(ii) Private Land	-----
	If Private Land, Whether	-----
	(i) Purchased	-----
	(ii) Acquired	-----
	(iii) Leased Land	-----
12	Year of Purchase/Acquisition	2010
13	Whether mutation completed	No
14	Cost of the Land (At the time of procurement)	NA
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	N.A
21	Total area at present	1.86 acre
	Details of Land (Khata/Khesara)	646/172&173
	Thana No.	263
	Name of Municipality/Nagar	Jagdishpur Nagar panchyat

	Parishad etc.	
	Ward No./Circle No./ Holding No.	05
	Amount of Early Land related Taxes	----
	Taxes clear up to	N.A
22	Land Records available with	TSD Jagdsihur & Bihar Govt. Jagdsihpur Block Office

Details of Existing Equipment

Name of Circle:

Name of GSS:

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							
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							
3 Phase Isolator with/without Earth switch							
132 KV Line bay		Line control & relay panel with Distance protection & O/C E/F protection	04	ALSTOM			
		3 Phase Circuit Breaker	04	ALSTOM			
		1 Ph CVT	10	CGL			
		LA	12	OBLUM, ELPRO, FARADAY			
		1-Ph Current Transformer	12	SCT, HEL, SSG, TER, ARTECH, ASEA			
3 Phase Isolator with/without Earth switch	12	FARADAY					
132/33 KV Transformer bay(HV)		Transformer control & relay panel with Differential protection & O/C E/F protection	03	ALSTOM			
		3 Phase Circuit Breaker	03	ALSTOM			
		LA	09	OBLUM, Fraday, ALPRO			
		1-Ph Current Transformer	09	ARTECHE, Heptacase			
3 Phase Isolator with/without Earth switch	09	Fraday,					



132/33 KV Transformer bay (LV)	Transformer control & relay panel with Differential protection & O/C E/F protection	ALSTOM (03)	ALSTOM	
	3 Phase Circuit Breaker	Schneider (3)		
	LA	LAMCO		
	1-Ph Current Transformer	Modern electronics (6) Heptacore (3),		
132 KV Buscoupler bay	3 Phase Isolator with/without Earth switch	(9)	Fraday	
	Line control & relay panel with Distance protection & O/C E/F protection	1	ALSTOM	09/06/15
	3 Phase Circuit Breaker	1	ALSTOM	02/01/15
	1 Ph PT	-	-	
	LA	-	-	
	1-Ph Current Transformer	3	Vishal Fram. A switchgear Ltd.	N.F
33 KV Feeder	3 Phase Isolator with/without Earth switch	2	Fraday	09/06/15
	Line control & relay panel with O/C E/F protection	07	ALSTOM-4 Tech-UP-1 Verson electric-2	
	3 Phase Circuit Breaker	7	CGL, Schneider	
	LA	21	LAMCO	
	1-Ph Current Transformer	21	Modern electron Advent-Eng, Heptacore	
33 KV Buscoupler	3 Phase Isolator with/without Earth switch	21	Siemens, Hivellu	
	Line control & relay panel with Distance protection & O/C E/F protection	1	ALSTOM	Sept 2017
	3 Phase Circuit Breaker	1	CGL	30/04/15
	1 Ph PT	-	-	
	LA	-	-	
	1-Ph Current Transformer	3	Heptacore	30/04/15
	3 Phase Isolator with, without Earth switch	2	Siemens	30/04/15

Other Substation Equipments -

Battery Charger	1	AZ- Electro	2015-16
	2	AFFCBs (chloride power system)	2014
ACDB	1		very old
DCDB(110v, 48v)	1		very old
Battery bank	1	Expide	2015
	2	Expide	2014
DG set	-	-	Not Available
PLCC Equipment	1. Isolator	1	ELTEK
	2. Battery Charger	4	ALSTOM, ABB
	3. Panel	1	
	4. telephone	1	
Hydrant system with Pipe arrangement			
Fire Fighting Equipment			
Earthing Rods	6	Available	
Tools & Tackles (Spanners, Wrench, etc (Set/Piece)		Multimeter, meggar, Earth resistance	
Testing Equipments		Helmet, gloves	Available.
Safety Gear (Helmet, Gloves, Boot, etc.)	2		meter.
SSP		Available	
Spare Hardware Fitting			

# Sample format for GSS land assets

GSS:- KARAMNASA

LOCATION	
01	Name of GSS <span style="float: right;">GSS KARAMNASA</span>
02	Located at ( Name of locality) <span style="float: right;">KARAMNASA</span>
03	Block/Prakhand <span style="float: right;">DURGAWATI</span>
04	Police Station (Thana) <span style="float: right;">DURGAWATI</span>
05	Sub-Division <span style="float: right;">MOHANIA</span>
06	District <span style="float: right;">KAIMUR</span>
07	Transmission Division <span style="float: right;">DEHRI-ON-SONE</span>
08	Transmission Circle <span style="float: right;">DEHRI-ON-SONE</span>
09	GPS Co-ordinates <span style="float: right;">25.2361, 83.4352</span>
LAND DETAILS	
10	Initial Area (In Acre) <span style="float: right;">11.56 Acres</span>
11	Whether it was:
	(i) A Govt. Land (State type GM or )
	<input checked="" type="checkbox"/> Private Land <span style="float: right;">PRIVATE LAND</span>
	If Private Land, Whether
	<input checked="" type="checkbox"/> Purchased <span style="float: right;">PURCHASED</span>
	(ii) Acquired
	(iii) Leased Land
12	Year of Purchase/ Acquisition
13	Whether mutation completed <span style="float: right;">YES</span>
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 <span style="float: right;">11.56 Acres</span>
	Details of Land (Khata/Khesara) <span style="float: right;">43 (KHATA), 42 (KHESRA), MAUJA - CHHAJU</span>
	Thana No <span style="float: right;">DURGAWATI</span>
	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

### Details of Existing Equipment

Name of Circle: Dehri

Name of GSS: Kochas

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				
	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			

		3 Phase Isolator with/without Earth switch			
132 KV Line bay		Line control & relay panel with Distance protection & O/C E/F protection	4	03 ABB & 01 ERL	2014
		3 Phase Circuit Breaker	4	03 ABB & 01 Siemens	2014
		1 Ph CVT	12	CGL	2014
		LA	12	CGL	2014
		1-Ph Current Transformer	12	03 CGL & 01 MEHR	2014
		3 Phase Isolator with/without Earth switch	8	Siemens	2014
132/33 KV Transformer bay(HV)		Transformer control & relay panel with Differential protection & O/C E/F protection	2	ABB	2014
		3 Phase Circuit Breaker	2	ABB	2014
		LA	6	CGL	2014
		1-Ph Current Transformer	6	CGL	2014
		3 Phase Isolator with/without Earth switch	4	Siemens	2014
132/33 KV Transformer bay(LV)		Transformer control & relay panel with Differential protection & O/C E/F protection	2	ABB	2014
		3 Phase Circuit Breaker	2	ABB	2014
		LA	6	CGL	2014
		1-Ph Current Transformer	6	VTS	2014
		3 Phase Isolator with/without Earth switch	4	Siemens	2014
132 KV Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	2014
		3 Phase Circuit Breaker	1	ABB	2014
		1 Ph PT	1	CGL	2014
		LA	0		
		1-Ph Current Transformer	1	CGL	2014
		3 Phase Isolator with/without Earth switch	2	Siemens	2014
33 KV Feeder		Line control & relay panel with O/C E/F protection	4	ABB	2014
		3 Phase Circuit Breaker	4	ABB	2014
		LA	12	CGL	2014
		1-Ph Current Transformer	12	VTS	2014
		3 Phase Isolator with/without Earth switch	8	Siemens	2014
		Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	2014
		3 Phase Circuit Breaker	1	ABB	2014

33 KV Buscoupler	1 Ph PT	3	L.E.	2014
	LA	0		
	1-Ph Current Transformer	3	ABB	2014
	3 Phase Isolator with/without Earth switch	2	Siemens	2014
<b>Other Substation Equipments -</b>				
Battery Charger	1	2,one 48V	Amara raja	2014
	2	2,one 48V	Amara raja	2014
ACDB		3	VIKASH	2014
DCDB(110V/48V)		1	VIKASH	2014
Battery bank	1	1	Amara raja	2014
	2	2,one 48V	Amara raja	2014
DG set		1	Powerica	2014
PLCC Equipment	1.Isolator	0		
	2. Battery Charger	1	ABB	2014
	3. Panel	2set	ABB	2014
	4.telephone	2set		
Hydrant system with Pipe arrangement		0		
Fire Fighting Equipment		19	BC zenith	2014
Earthing Rods		6		
Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)		10	Taparia	
Testing Equipments		Oil testing kit&Multimeter		
Safety Gear(Helmet,Gloves,Boot, etc.)		4		
SST		1	Vijay electricals	2014
Spare Hardware Fitting.		0		

## Sample format for GSS land assets

### GSS:- 132/33kv GSS Kochas

	<b>LOCATION</b>	KOCHAS
01	Name of GSS	KOCHAS
02	Located at ( Name of locality)	KOCHAS, ROHTAS
03	Block/Prakhand	KOCHAS
04	Police Station (Thana)	KOCHAS
05	Sub-Division	KOCHAS
06	District	ROHTAS
07	Transmission Division	DEHRI-ON-SONE
08	Transmission Circle	DEHRI-ON-SONE
09	GPS Co-ordinates	Latitude 25.239479,Longitude 83.918678
	<b>LAND DETAILS</b>	
10	Initial Area (In Acre)	
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	Govt.land
	(ii) Private Land	
	If Private Land, Whether	
	(i) Purchased	
	(ii) Acquired	
	(iii) Leased Land	
12	Year of Purchase/Acquisition	2012
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	No
16	Area of the extra land for GSS	No
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.	Kochas
	Ward No./Circle No./ Holding No.	
	Amount of Early Land related Taxes	
	Taxes clear up to	
22	Land Records available with	

**Details of Existing Equipment**

Name of Circle: Dehri-on-sona

Name of GSS: 132/33kv GSS Kudra

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	NA	
			3 Phase Circuit Breaker	NA	
			1-Ph CVT	NA	
			LA	NA	
			1-Ph Current Transformer	NA	
		3 Phase Isolator with/without Earth switch	NA		
			NA		
		2nd bay..	Line control & relay panel with Distance protection & O/C E/F protection	NA	
			3 Phase Circuit Breaker	NA	
			1-Ph CVT	NA	
	LA		NA		
	1-Ph Current Transformer		NA		
	220/132 KV Transformer bay(HV)	1st bay..	Transformer control & relay panel with Differential protection & O/C E/F protection	NA	
			3 Phase Circuit Breaker	NA	
			LA	NA	
			1-Ph Current Transformer	NA	
	220/132 KV Transformer bay(LV)		Transformer control & relay panel with Differential protection & O/C E/F protection	NA	
			3 Phase Circuit Breaker	NA	
			LA	NA	
			1-Ph Current Transformer	NA	
220 KV Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection	NA		
		3 Phase Circuit Breaker	NA		
		1 Ph PT	NA		
		LA	NA		
		1-Ph Current Transformer	NA		

		3 Phase Isolator with/without Earth switch	NA		
132 KV Line bay		Line control & relay panel with Distance protection & O/C E/F protection			20/12/2013(Kudra-Dehri),06/08/2014(Kudra-kochas),23/08/2014(Kudra-pushauli)
		3 Phase Circuit Breaker	3	ABB	do
		1 Ph CVT	9	CGL	do
		LA	9	CGL	do
		1-Ph Current Transformer	9	CGL	do
		3 Phase Isolator with/without Earth switch	9	Siemens LTD.	do
132/33 KV Transformer bay(HV)		Transformer control & relay panel with Differential protection & O/C E/F protection	2	ABB	20/12/2013(ict-1), 26/08/2014(ict-2)
		3 Phase Circuit Breaker	2	ABB	do
		LA	6	CGL	do
		1-Ph Current Transformer	6	CGL	do
		3 Phase Isolator with/without Earth switch	6	Siemens LTD.	do
132/33 KV Transformer bay(LV)		Transformer control & relay panel with Differential protection & O/C E/F protection	2	ABB	20/12/2013(ict-1), 26/08/2014(ict-2)
		3 Phase Circuit Breaker	2	ABB	do
		LA	6	CGL	do
		1-Ph Current Transformer	6	Vishal transformer & switch gears	do
		3 Phase Isolator with/without Earth switch	6	Siemens LTD.	do
132 KV Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	6/8/2014
		3 Phase Circuit Breaker	1	ABB	6/8/2014
		1 Ph PT	3	CGL	6/8/2014
		LA	0		
		1-Ph Current Transformer	3	CGL	6/8/2014
		3 Phase Isolator with/without Earth switch	2	Siemens LTD.	6/8/2014
33 KV Feeder		Line control & relay panel with O/C E/F protection	4	ABB	22/02/2014-kudra, 03/06/2015-bhabua, 31/08/2015-parshathua
		3 Phase Circuit Breaker	4	ABB	do
		LA	12	CGL	do
		1-Ph Current Transformer	12	Vishal transformer & switch gears	do



			3 Phase Isolator with/without Earth switch	12	Siemens LTD.	do
33 KV Buscoupler			Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	14/10/2014
			3 Phase Circuit Breaker	1	ABB	14/10/2014
			1 Ph PT	3	Vishal transformer & switch gears	14/10/2014
			LA	0		
			1-Ph Current Transformer	3	Vishal transformer & switch gears	14/10/2014
			3 Phase Isolator with/without Earth switch	3	Siemens LTD.	14/10/2014
<b>Other Substation Equipments -</b>						
	Battery Charger	1		1	Amara raja	25/12/2013
		2		1	Amara raja	25/12/2013
		ACDB		3	Vikash engineering	2013
		DCDB(110V/48V)		2	Vikash engineering	2013
	Battery bank	1		1	Amara raja	25/12/2013
		2		1	Amara raja	25/12/2013
		DG set		1	POWERICA	7/1/2014
	PLCC Equipment	1.Isolator				
		2. Battery Charger				
		3. Panel		7	ABB	2015
		4.telephone		7	ABB	2015
		Hydrant system with Pipe arrangement		0		
		Fire Fighting Equipment		22	zenith	
		Earthing Rods		6		
		Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)		30		
		Testing Equipments		3	fluke, jost's engineering company LTD.	
		Safety Gear(Helmet,Gloves,Boot, etc.)		5		
		SST		1	Vijay electrical LTD.	20/12/2013
		Spare Hardware Fitting.		0		

regards  
AEE/TSD/KUDRA

## Sample format for GSS- land assets

### GSS:- Kudra

	LOCATION	
01	Name of GSS	132/33 KV GSS Kudra
02	Located at ( Name of locality)	Bajjnathpur, Kudra
03	Block/Prakhand	Kudra
04	Police Station (Thana)	Kudra
05	Sub-Division	Mohania
06	District	Kaimur
07	Transmission Division	Dehri-on-sona
08	Transmission Circle	Dehri-on-sona
09	GPS Co-ordinates	25° 4' 36.9304" N 83° 46' 40.8986" E
	LAND DETAILS	
10	Initial Area (In Acre)	7.5 Acre(approx)
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	A govt. Land +Private Land
	(ii) Private Land	
	If Private Land, Whether	
	(i) Purchased	Purchased
	(ii) Acquired	
	(iii) Leased Land	
12	Year of Purchase/Acquisition	2011
13	Whether mutation completed	Yes
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	No
16	Area of the extra land for GSS	
17	Cost	
20	Year of Purchase/lease of extra land	
21	Total area at present	7.5 Acre(approx)
	Details of Land (Khata/Khesara)	
	Thana No.	<del>9431822940</del>
	Name of Municipality/Nagar Parishad etc.	Bhabua
	Ward No./Circle No./ Holding No.	Ward No.:-10
	Amount of Early Land related Taxes	
	Taxes clear up to	
22	Land Records available with	Transmission Circle-Dehri-on-sona

## Detail of Existing Equipment

Name of Circle: Dehri-on-sona

Name of GSS: Mohania

Sl no		Name of bay	Equipment Name	Quantity	Make	Year of Commissioning
1	132KV Line Bay	Karamnasa Bay	Line control & relay panel with distance protection & O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	ABB	2005
			1 Ph CVT	3	CGL	2005
			LA	3	Elpro	2005
			1-Ph CT	3	CGL	2005
			3-ph Isolator with/without earth switch.	3 set	Elpro	2005
2	132KV Line Bay	Pusauli Bay	Line control & relay panel with distance protection & O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	ABB	2005
			1 Ph CVT	3	CGL	2005
			LA	3	Elpro	2005
			1-Ph CT	3	CGL	2005
			3-ph Isolator with/without earth switch.	3 set	Elpro	2005
3	132KV Line Bay	Ramgarh Bay	Line control & relay panel with distance protection & O/C, E/F protection.	1	ERL	2015
			3 phase circuit breaker	1	seimens	2015
			1 Ph CVT	3	MEHRU	2015
			LA	3	CGL	2015
			1-Ph CT	3	CGL	2015
			3-ph Isolator with/without earth switch.	3 set	Seimens	2015

4	132KV Transformer (HV)	ICT 1	Transformer control & relay panel with differential protection & O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	ABB	2005
			LA	3	CGL	2005
			1-Ph CT	3	CGL	2005
			3-ph Isolator with/without earth switch.	3set	Elpro	2005
5	132KV Transformer (HV)	ICT 2	Transformer control & relay panel with differential protection & O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	ABB	2005
			LA	3	CGL	2005
			1-Ph CT	3	CGL	2005
			3-ph Isolator with/without earth switch.	3set	Elpro	2005
6	132KV Bus coupler Bay		Line control & relay panel with distance protection & O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	ABB	2005
			1 Ph PT	3	CGL	2005
			1-Ph CT	3	CGL	2005
			3-ph Isolator with/without earth switch.	2set	Elpro	2005
7	33KV Line Bay	Chainpur Bay	Line control & relay panel with O/C, E/F protection.	1	Vidhut Control System(VCS)	2006
			3 phase circuit breaker	1	Areva	2006
			LA	3	Elpro	2006
			1-Ph CT	3	VCS	2006
			3-ph Isolator with/without earth switch.	3set	Eletrolite	2006

8	33KV Line Bay	Mohania Bay	Line control & relay panel with O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	CGL	2011
			LA	3	Elpro	2005
			1-Ph CT	3	Advent	2016
			3-ph Isolator with/without earth switch.	3set	Elpro	2005
9	33KV Line Bay	Bhabhua Bay	Line control & relay panel with O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	CGL	2014
			LA	3	Elpro	2005
			1-Ph CT	3	VCS	2005
			3-ph Isolator with/without earth switch.	3set	Elpro	2005
10	33KV Line Bay	Bahuarra Bay	Line control & relay panel with O/C, E/F protection.	1	Vension	2006
			3 phase circuit breaker	1	Areva	2006
			LA	3	Elpro	2005
			1-Ph CT	3	VCS	2006
			3-ph Isolator with/without earth switch.	3set	Eletrolite	2005
11	33KV Transformer Bay	ICT 1 Bay	Transformer control & relay panel with differential protection & O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	ABB	2005
			LA	3	Elpro	2005
			1-Ph CT	3	Lamco	2017
			3-ph Isolator with/without earth switch.	3set	Faraday Electric	2017

12	33KV Transformer Bay	ICT 2 Bay	Transformer control & relay panel with differential protection & O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	CGL	2017
			LA	3	Elpro	
			1-Ph CT	3	VCS	2005
			3-ph Isolator with/without earth switch.	3set	Elpro	
13	33KV Bus coupler Bay		Line control & relay panel with O/C, E/F protection.	1	ABB	2005
			3 phase circuit breaker	1	ABB	2005
			1 Ph PT	3	VCS	2005
			1-Ph CT	3	VCS	2005
			3-ph Isolator with/without earth switch.	2set	Elpro	2005
14	132/33KV Transformer	ICT 1 (50 MVA)		1	EMCO	2015
15	132/33KV Transformer	ICT 2 (20 MVA)		1	INDO TECH	2005

### Other Substation Equipments:-

Sl no	Battery Charger 1		1	HBL Nife	2005
	2		1	HBL Nife	2005
	ACDB		13	Market system	2005
	DCDB(110/48V)		6	Market system	2005
	Battery Bank 1		1set	HBL Nife	2005
	2		1set	Exide	2016
	PLCC Equipment	Battery charger	1	HBL Nife	2005
		Battery bank	1set	HBL Nife	2005
		Panel	2	ABB	2005
			1	BPL	2005
			2	PUNCOM	
	Fire fighting equipment		7 CO <sub>2</sub> 5 DCP	NFPI	2005
	Testing equipment		1no Fault locator 1no IR tester	Taurus Shivnanda electronics	2005

		1 no SF6 gas filling device		
	DG set	1	Sudhir	2005
	SST( 315 KVA)	1	Conventional type	2005

## Sample format for GSS land assets

### GSS:- Mohania

	LOCATION	
01	Name of GSS	Mohania
02	Located at ( Name of locality)	Awari
03	Block/Prakhand	Mohania
04	Police Station (Thana)	Mohania
05	Sub-Division	Mohania
06	District	Kaimur
07	Transmission Division	Dehri-on-sone
08	Transmission Circle	Dehri-on-sone
09	GPS Co-ordinates	25.159 , 83.628
	LAND DETAILS	
10	Initial Area (In Acre)	4.93
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	No
16	Area of the extra land for GSS	
17	Cost	
20	Year of Purchase/lease of extra land	
21	Total area at present	4.93
	Details of Land (Khata/Khesara)	
	Thana No.	
	Name of Municipality/Nagar Parishad etc.	Mohania
	Ward No./Circle No./ Holding No.	
	Amount of Early Land related Taxes	
	Taxes clear up to	
22	Land Records available with	



**Details of Existing Equipment**

Name of Circle: **DEHRI ON DONE**

Name of GSS: **132/33 KV GSS Piro**

Sl. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
132 KV bikramganj line bay		Line control & relay panel with Distance protection & O/C E/F protection	1	sel	2017
		3 Phase Circuit Breaker	1	ABB	2017
		1 Ph CVT	3	CGL	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
132 KV spare line bay		Line control & relay panel with Distance protection & O/C E/F protection	1	sel	2017
		3 Phase Circuit Breaker	1	ABB	2017
		1 Ph CVT	3	CGL	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
132/33 KV Transformer No-1 bay(HV)		Transformer control & relay panel with Differential protection & O/C E/F protection	1	SEL	2017
		3 Phase Circuit Breaker	1	ABB	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
132/33 KV Transformer No-2 bay(HV)		Transformer control & relay panel with Differential protection & O/C E/F protection	1	SEL	2017
		3 Phase Circuit Breaker	1	ABB	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
132/33 KV Transformer No-1 bay(LV)		Transformer control & relay panel with Differential protection & O/C E/F protection	1	SEL	2017
		3 Phase Circuit Breaker	1	SCHNEIDER	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
132/33 KV Transformer No-2 bay(LV)		Transformer control & relay panel with Differential protection & O/C E/F protection	1	SEL	2017
		3 Phase Circuit Breaker	1	SCHNEIDER	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	3	SCT LTD	2017

		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
132 KV Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection	1	sel	2017
		3 Phase Circuit Breaker	1	ABB	2017
		1 Ph PT	3	CGL	2017
		LA	0		2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
33 KV PIRO Feeder		Line control & relay panel with O/C E/F protection	1	sel	2017
		3 Phase Circuit Breaker	1	SCHNEIDER ALSTOM	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
33 KV DOMANDHIRA BAY		Line control & relay panel with O/C E/F protection	1	sel	2017
		3 Phase Circuit Breaker	1	SCHNEIDER ALSTOM	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
33 KV KATARIA BAY		Line control & relay panel with O/C E/F protection	1	sel	2017
		3 Phase Circuit Breaker	1	SCHNEIDER ALSTOM	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	3	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
33 KV SPARE BAY		Line control & relay panel with O/C E/F protection	1	sel	2017
		3 Phase Circuit Breaker	1	SCHNEIDER ALSTOM	2017
		LA	3	ABB	2017
		1-Ph Current Transformer	0		
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
33 KV Buscoupler		Line control & relay panel with Distance protection & O/C E/F protection	1	sel	2017
		3 Phase Circuit Breaker	1	SCHNEIDER ALSTOM	2017
		1 Ph PT	3	SCT LTD	2017
		LA	0		2017
		1-Ph Current Transformer	2	SCT LTD	2017
		3 Phase Isolator with/without Earth switch	3	faraday electrical ltd.	2017
TRANSFORMERS	T1	CAPACITY 20MVA	1	INDOTECH	2017

	TRANSFORMERS	T2	CAPACITY 20MVA	1	ABB	2017
<b>Other Substation Equipments -</b>						
	Battery Charger	1		1	CHLORIDE POWER SYSTEM AND SOLUTION LTD.	2017
		2		1	CHLORIDE POWER SYSTEM AND SOLUTION LTD.	2017
	ACDB-1A			1	ASIAN SWITCHGEAR	2017
	ACDB(ELDB)			1	ASIAN SWITCHGEAR	2017
	ACDB(MLDB)			1	ASIAN SWITCHGEAR	2017
	ACDB			1	ASIAN SWITCHGEAR	2017
	DCDB(250)			1	ASIAN SWITCHGEAR	2017
	DCDB(48V)			1	ASIAN SWITCHGEAR	2017
	Battery bank	1		125	EXIDE	2017
		2		125	EXIDE	2017
	Battery bank(48V)	1		24	EXIDE	2017
		2		24	EXIDE	2017
	DG set			1	KIRLOSKAR	2017
		1.Isolator		0		
	PLCC Equipment	2. Battery Charger		2	CHLORIDE POWER SYSTEM AND SOLUTION LTD.	2017
		3. Panel		5	CGL	
		4.telephone				
	Hydrant system with Pipe arrangement			0		
	Fire Fighting Equipment			8		
	Earthing Rods			6		
	Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)			0		
	Testing Equipments			2		
	Safety Gear(Helmet,Gloves,Boot, etc.)			22		
	SST			2		2017
	Spare Hardware Fitting.			0		

**GSS land assets**  
**GSS:- 132/33KV PIRO**

	LOCATION	
01	Name of GSS	132/33 KV PIRO
02	Located at ( Name of locality)	BARAON
03	Block/Prakhand	PIRO
04	Police Station (Thana)	PIRO
05	Sub-Division	PIRO
06	District	BHOJPUR(ARA)
07	Transmission Division	DEHRI ON SONE
08	Transmission Circle	DEHRI ON SONE
09	GPS Co-ordinates	25.3660910,84.3919180
	LAND DETAILS	
10	Initial Area (In Acre)	4 ACRE 62 DECIMEL
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	
	(ii) Private Land	YES
	If Private Land, Whether	
	(i) Purchased	
	(ii) Acquired	
	(iii) Leased Land	
12	Year of Purchase/Acquisition	29/03/2016
13	Whether mutation completed	YES, 11/04/2017
14	Cost of the Land (At the time of procurement)	1,29,36,000/- (Rupees one crore twenty nine lacs thirty six thousand only)
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	4 ACRE 62 DECIMEL
	Details of Land (Khata/Khesara)	KHATA-457,1319 KHESRA-3942,3958,3959 MAOJA- JITORA JANGAL MEHAL
	Thana No.	24
	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	AEE/TSD/PIRO , EEE/TD/PIRO

### Details of Existing Equipment

Name of Circle: Dehri On Sone

Name of GSS: 220/132/33 kV GSS Pusauli

Sl. No.		Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
	220 KV Line Bay	Dehri Ckt-1	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016
			3 Phase Circuit Breaker	1	Siemens	2016
			1-Ph CVT	3	BHEL	2016
			LA	3	Oblum Electrical	2016
			1-Ph Current Transformer	3	BHEL	2016
			3 Phase Isolator with/without Earth switch	4	G R Power	2016
		Dehri Ckt-2	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016
			3 Phase Circuit Breaker	1	Siemens	2016
			1-Ph CVT	3	BHEL	2016
			LA	3	Oblum Electrical	2016
			1-Ph Current Transformer	3	BHEL	2016
			3 Phase Isolator with/without Earth switch	4	G R Power	2016
		Ara PG Ckt-1	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016
			3 Phase Circuit Breaker	1	Siemens	2016
			1-Ph CVT	3	BHEL	2016
			LA	3	Oblum Electrical	2016
			1-Ph Current Transformer	3	BHEL	2016
			3 Phase Isolator with/without Earth switch	4	G R Power	2016
		Pusauli PG Ckt-1	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016
			3 Phase Circuit Breaker	1	Siemens	2016
			1-Ph CVT	3	BHEL	2016
LA	3		Oblum Electrical	2016		
1-Ph Current Transformer	3		BHEL	2016		
3 Phase Isolator with/without Earth switch	4		G R Power	2016		
			Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2015
			3 Phase Circuit Breaker	1	Siemens	2015
			1-Ph CVT	3	BHEL	2015

	Pusauli PG Ckt-2	LA	3	Oblum Electrical	2015	
		1-Ph Current Transformer	3	BHEL	2015	
		3 Phase Isolator with/without Earth switch	4	G R Power	2015	
		Ara PG Ckt-2	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2015
			3 Phase Circuit Breaker	1	Siemens	2015
			1-Ph CVT	3	BHEL	2015
	LA		3	Oblum Electrical	2015	
	1-Ph Current Transformer	3	BHEL	2015		
	3 Phase Isolator with/without Earth switch	4	G R Power	2015		
	220/132 KV Transformer bay(HV)	150 MVA ICT-1(BHEL MAKE)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ERL	2016
			3 Phase Circuit Breaker	1	Siemens	2016
			LA	3	Oblum Electrical	2016
1-Ph Current Transformer			3	BHEL	2016	
3 Phase Isolator with/without Earth switch			4	G R Power	2016	
150 MVA ICT-2(BHEL MAKE)		Transformer control & relay panel with Differential protection & O/C E/F protection	1	ERL	2015	
		3 Phase Circuit Breaker	1	Siemens	2015	
		LA	3	Oblum Electrical	2015	
		1-Ph Current Transformer	3	BHEL	2015	
		3 Phase Isolator with/without Earth switch	4	G R Power	2015	
220/132 KV Transformer bay(LV)		150 MVA ICT-1(BHEL MAKE)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ERL	2016
			3 Phase Circuit Breaker	1	Siemens	2016
	LA		3	Oblum Electrical	2016	
	1-Ph Current Transformer		3	BHEL	2016	
	3 Phase Isolator with/without Earth switch		3	G R Power	2016	
	150 MVA ICT-2(BHEL MAKE)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ERL	2015	
		3 Phase Circuit Breaker	1	Siemens	2015	
		LA	3	Oblum Electrical	2015	

		1-Ph Current Transformer	3	BHEL	2015
		3 Phase Isolator with/without Earth switch	3	G R Power	2015
110 KV Transfer Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016
		3 Phase Circuit Breaker	1	Siemens	2016
		1 Ph PT	NA	NA	
		LA	NA	NA	
		1-Ph Current Transformer	3	BHEL	2016
		3 Phase Isolator with/without Earth switch	3	G R Power	2016
220 KV Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016
		3 Phase Circuit Breaker	1	Siemens	2016
		1 Ph PT	NA	NA	
		LA	NA	NA	
		1-Ph Current Transformer	3	BHEL	2016
		3 Phase Isolator with/without Earth switch	2	G R Power	2016
132 KV Line bay	Kudra TSS	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2015
		3 Phase Circuit Breaker	1	Siemens	2015
		1 Ph CVT	3	BHEL	2015
		LA	3	Oblum Electrical	2015
		1-Ph Current Transformer	3	BHEL	2015
		3 Phase Isolator with/without Earth switch	3	G R Power	2015
	Sasaram	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2015
		3 Phase Circuit Breaker	1	Siemens	2015
		1 Ph CVT	3	BHEL	2015
		LA	3	Oblum Electrical	2015
		1-Ph Current Transformer	3	BHEL	2015
		3 Phase Isolator with/without Earth switch	3	G R Power	2015
	Kochas	Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016
		3 Phase Circuit Breaker	1	Siemens	2016
		1 Ph CVT	3	BHEL	2016
		LA	3	Oblum Electrical	2016

	Ramgarh	1-Ph Current Transformer	3	BHEL	2016
		3 Phase Isolator with/without Earth switch	3	G R Power	2016
		Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2016
		3 Phase Circuit Breaker	1	Siemens	2016
		1 Ph CVT	3	CGL	2016
		LA	3	CGL	2016
		1-Ph Current Transformer	3	Mehru	2016
	3 Phase Isolator with/without Earth switch	3	Siemens	2016	
	Mundeshwari	Line control & relay panel with Distance protection & O/C E/F protection	1	System Control & Automation	2017
		3 Phase Circuit Breaker	1	CGL	2017
		1 Ph CVT	3	CGL	2017
		LA	3	CGL	2017
		1-Ph Current Transformer	3	Heptacare Power Industries Ltd	2017
	3 Phase Isolator with/without Earth switch	3	J D Electricals	2017	
132/33 KV Transformer bay(HV)	50 MVA T-1(Kanohar Make)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Venson	2016
		3 Phase Circuit Breaker	1	CGL	2016
		LA	3	Lamco Industries	2016
		1-Ph Current Transformer	3	Heptacare Power Industries Ltd	2016
		3 Phase Isolator with/without Earth switch	3	Siemens	2016
	50 MVA T-2(Kanohar Make)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Venson	2016
		3 Phase Circuit Breaker	1	CGL	2016
		LA	3	Lamco Industries	2016
		1-Ph Current Transformer	3	Heptacare Power Industries Ltd	2016
		3 Phase Isolator with/without Earth switch	3	Siemens	2016
50 MVA T-1(Kanohar Make)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	Venson	2016	
	3 Phase Circuit Breaker	1	CGL	2016	
	LA	3	Lamco Industries	2016	



132/33 KV Transformer bay(LV)	50 MVA T-2(Kanohar Make)	1-Ph Current Transformer	3	Heptacare Power Industries Ltd	2016
		3 Phase Isolator with/without Earth switch	3	Siemens	2016
		Transformer control & relay panel with Differential protection & O/C E/F protection	1	Venson	2016
		3 Phase Circuit Breaker	1	CGL	2016
		LA	3	Lamco Industries	2016
		1-Ph Current Transformer	3	Heptacare Power Industries Ltd	2016
		3 Phase Isolator with/without Earth switch	3	Siemens	2016
132 KV Buscoupler bay		Line control & relay panel with Distance protection & O/C E/F protection	1	ERL	2015
		3 Phase Circuit Breaker	1	Siemens	2015
		1 Ph PT	NA	NA	
		LA	NA	NA	
		1-Ph Current Transformer	3	BHEL	2015
33 KV Feeder	1-9 feeder	3 Phase Isolator with/without Earth switch	2	G R Power	2015
		Line control & relay panel with O/C E/F protection	1	Venson	2017
		3 Phase Circuit Breaker	1	CGL	2017
		LA	3	Lamco Industries	2017
		1-Ph Current Transformer	3	Heptacare Power Industries Ltd	2017
33 KV Buscoupler		3 Phase Isolator with/without Earth switch	3	Siemens	2017
		Line control & relay panel	1	Venson	2017
		3 Phase Circuit Breaker	1	CGL	2017
		1 Ph PT	NA	NA	
		LA	NA	NA	
Battery Charger	1	220 V	2	Statkon	2015
	2	48 V	2	Statkon	2015
ACDB			1 Set	Anand Power	2015
DCDB(110V/48V)			1 Set	Anand Power	2015
Battery bank	1	220 V	2 Set	Exide Dry Cell	2015
	2	48 V	2 Set	Exide Dry Cell	2015
DG set			1	Kirlosker	2015
PLCC Equipment	1. Isolator		NA		
	2. Battery Charger		NA		
	3. Panel		11 & 6	Puncom & ABB	2015 & 2016

	4.telephone	NA		
	Hydrant system with Pipe arrangement	1 Set	Flowmore & CGL	2017
	Fire Fighting Equipment	30	Kanadia Fyr Fighter Pvt.Ltd	2016-17
	Earthing Rods	3	Agni	2017
	Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)	1 Set		2017
	Testing Equipments	1 Set	BDV, Megger,DMM,S F6 Plant,CB test kit,Oil Filtration Plant,Oil sampling Bottel, Primary and Secndry injection Etc.	2016-17
	Safety Gear(Helmet,Gloves,Boot, etc.)	4,4,2		2017
	SST	2	Urja Techniques Pvt Ltd	2015 & 2016
	Spare Hardware Fitting.	1 Set	Male Female Iso Contact, PG clamps, T clamps Etc.	2016-17

**Land Asset Details**  
**GSS:-220/132/33KV GSS PUSAULI**

	LOCATION	
01	Name of GSS	220/132/33KV GSS PUSAULI
02	Located at ( Name of locality)	NADOKHAR VILLAGE
03	Block/Prakhhand	KUDRA
04	Police Station (Thana)	MOHANIA
05	Sub-Division	MOHANIA
06	District	KAIMUR
07	Transmission Division	DEHRI ON SONE
08	Transmission Circle	DEHRI ON SONE
09	GPS Co-ordinates	25.0658 and 83.43344
	LAND DETAILS	
10	Initial Area (In Acre)	7.82 ACRE
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	YES
	(ii) Private Land	yes
	If Private Land, Whether	
	(i) Purchased	
	(ii) Acquired	
	(iii) Leased Land	
12	Year of Purchase/Acquisition	2013
13	Whether mutation completed	NA
14	Cost of the Land (At the time of procurement)	7.82(3519000)
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	N.A
20	Year of Purchase/lease of extra land	2013(GOVT LAND),2012(pvt land)
21	Total area at present	13.57
	Details of Land (Khata/Khesara)	KHATA-18,20,5,25.45,6 KHESRA-31,233,234.231,237,236,28,29
	Thana No.	621
	Name of Municipality/Nagar Parishad etc.	
	Ward No./Circle No./ Holding No.	
	Amount of Early Land related Taxes	N.A
	Taxes clear up to	N.A
22	Land Records available with	TD DEHRI ON SONE

**Details of Existing Equipment**

Name of Circle: Dehri On Sone

Name of GSS: 132/33KV Gss Sasaram

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				
	2nd bay..	3 Phase Isolator with/without Earth switch				
		Line control & relay panel with Distance protection & O/C E/F protection				
		3 Phase Circuit Breaker				
		1-Ph CVT				
		LA				
220/132 KV Transformer bay(HV)	1st bay..	1-Ph Current Transformer				
		3 Phase Isolator with/without Earth switch				
		Transformer control & relay panel with Differential protection & O/C E/F protection				
		3 Phase Circuit Breaker				
		LA				
220/132 KV Transformer bay(LV)		1-Ph Current Transformer				
		3 Phase Isolator with/without Earth switch				
		Transformer control & relay panel with Differential protection & O/C E/F protection				
		3 Phase Circuit Breaker				
		LA				
220 KV Buscoupler bay		1-Ph Current Transformer				
		3 Phase Isolator with/without Earth switch				
		Line control & relay panel with Distance protection & O/C E/F protection				
		3 Phase Circuit Breaker				
		1 Ph PT				
	Dehri Line Bay	Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	Oct.2005	
		3 Phase Circuit Breaker	1	ABB	Oct.2005	
		1 Ph CVT	3	CGL	Oct.2005	
		LA	3		Oct.2005	
		1-Ph Current Transformer	3	CGL	Oct.2005	
	Kudra Line Bay	3 Phase Isolator with/without Earth switch	3	Elpro International Ltd.	Oct.2005	
		Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	Oct.2005	
		3 Phase Circuit Breaker	1	ABB	Oct.2005	
		1 Ph CVT	3	CGL	Oct.2005	
		LA	3	Elpro International Ltd.	Oct.2005	
		1-Ph Current Transformer	3	CGL	Oct.2005	

132 KV Line bay		3 Phase Isolator with/without Earth switch	3	Elpro International ltd.	Oct.2005
	Banjari Line (First ckt.)	Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	Mar-14
		3 Phase Circuit Breaker	1	ABB	Mar-14
		1 Ph CVT	3	CGL	Mar-14
		LA	3	CGL	Mar-14
		1-Ph Current Transformer	3	CGL	Mar-14
		3 Phase Isolator with/without Earth switch	3	Siemens	Mar-14
	Banjari Line (Second ckt.)	Line control & relay panel with Distance protection & O/C E/F protection	1	System control and automation pvt.ltd.	2017
		3 Phase Circuit Breaker	1	Siemens	2017
		1 Ph CVT	3	Siemens	2017
		LA	3	CGL	2017
		1-Ph Current Transformer	3	SCT	2017
		3 Phase Isolator with/without Earth switch	3	Siemens	2017
	132/33 KV Transformer bay(HV) (2*20MVA)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ABB	Oct.2005
3 Phase Circuit Breaker		1	ABB	Oct.2005	
LA		3		Oct.2005	
1-Ph Current Transformer		3	CGL	Oct.2005	
3 Phase Isolator with/without Earth switch		3	Elpro International ltd.	Oct.2005	
132/33 KV Transformer bay(LV) (2*20MVA)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	ABB	Oct.2005	
	3 Phase Circuit Breaker	1	ABB	Oct.2005	
	LA	3	Elpro	Oct.2005	
	1-Ph Current Transformer	3	Vidyuth control system ltd.	Oct.2005	
	3 Phase Isolator with/without Earth switch	3	CGL	Oct.2005	
132/33 KV Transformer bay(HV) (50MVA)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	System control and automation pvt.ltd.	Oct.2017	
	3 Phase Circuit Breaker	1	CGL	Oct.2017	
	LA	3	CGL	Oct.2017	
	1-Ph Current Transformer	3	SCT	Oct.2017	
	3 Phase Isolator with/without Earth switch	3	P.R.Engg.works	Oct.2017	
132/33 KV Transformer bay(LV) (50MVA)	Transformer control & relay panel with Differential protection & O/C E/F protection	1	System control and automation pvt.ltd.	Oct.2017	
	3 Phase Circuit Breaker	1	CGL	Oct.2017	
	LA	3	CGL	Oct.2017	
	1-Ph Current Transformer	3	SCT	Oct.2017	
	3 Phase Isolator with/without Earth switch	3	P.R.Engg.works	Oct.2017	
132 KV Buscoupler bay	Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	Oct.2005	
	3 Phase Circuit Breaker	1	ABB	Oct.2005	
	1 Ph PT	1	CGL	Oct.2005	
	LA	0		Oct.2005	
	1-Ph Current Transformer	3	Vidyuth control system ltd.	Oct.2005	
	3 Phase Isolator with/without Earth switch		2 Elpro International ltd.	Oct.2005	

132/33kv ,20 MVA transformer 132/33kv ,50 MVA transformer				both indotech	Oct-05
				Alstom	16-Nov-17
33 KV Feeder	Sasaram	Line control & relay panel with O/C E/F protection	1	Alstom	Aug-15
		3 Phase Circuit Breaker	1	CGL	Aug-15
		LA	3	Elpro International Ltd.	Aug-15
		1-Ph Current Transformer	3	Vidyuth control system ltd.	Aug-15
		3 Phase Isolator with/without Earth switch	3	P.R.Engg.works	Aug-15
	Takiya	Line control & relay panel with O/C E/F protection	1	ABB	Oct.2005
		3 Phase Circuit Breaker	1	Siemens	2018
		LA	3	Elpro International Ltd.	Oct.2005
		1-Ph Current Transformer	3	Vidyuth control system ltd.	Oct.2005
		3 Phase Isolator with/without Earth switch	3	Elpro International Ltd.	Oct.2005
	Shivsagar	Line control & relay panel with O/C E/F protection	1	ABB	Oct.2005
		3 Phase Circuit Breaker	1	Areva	Oct.2005
		LA	3	Elpro International Ltd.	Oct.2005
		1-Ph Current Transformer	3	Vidyuth control system ltd.	Oct.2005
		3 Phase Isolator with/without Earth switch	3	Elpro International Ltd.	Oct.2005
	Chenari	Line control & relay panel with O/C E/F protection	1	Venson electric	Oct.2013
		3 Phase Circuit Breaker	1	CGL	Oct.2013
		LA	3	Elpro International Ltd.	Oct.2013
		1-Ph Current Transformer	3	Vidyuth control system ltd.	Oct.2013
		3 Phase Isolator with/without Earth switch	3	EIEKTROLITES	Oct.2013
33 KV Buscoupler	Line control & relay panel with Distance protection & O/C E/F protection	1	ABB	Oct.2005	
	3 Phase Circuit Breaker	1	ABB	Oct.2005	
	1 Ph PT	3	Vidyuth control system ltd.	Oct.2005	
	LA	0		Oct.2005	
	1-Ph Current Transformer	3	Vidyuth control system ltd.	Oct.2005	
	3 Phase Isolator with/without Earth switch	3	Elpro International Ltd.	Oct.2005	

**Other Substation Equipments -**

Battery Charger	1	1	AZ	2015
	2	1	HBL NIFE	2004
ACDB		2	MAKTEL SYSTEM	2005
	DCDB(110V/48V)	1	MAKTEL SYSTEM	2005
Battery bank	1	1	EXide	2015
	2	1	Exide	2012
DG set		1	SUDHIR GENSETS LTD.	2005
PLCC Equipment	1.Isolator			
	2. Battery Charger			
	3. Panel	4	ABB	
	4.telephone			
Hydrant system with Pipe arrangement		N.A		
Fire Fighting Equipment		16	Carbon dioxide type#06,Dry powder type#05	
Earthing Rods		9		
Tools & Tackles(Spanners,Wrench..etc.(Set/Piece)				
		ring spanner-05pcs,D-wrench-02pcs,Slide wrench-01pc	screw driver-01set	
Testing Equipments		8	Over current test kit ,meggar Relay test kit ,oil insulation test	
Safety Gear(Helmet,Gloves,Boot, etc.)			HELMET#04,BOOT#02,CAP#01,GLOVES#02, ROPE#01	
SST		1	TESLA	2005
Spare Hardware Fitting.				

## Sample format for GSS land assets

### **GSS:- 132/33kv GSS Sasaram**

	LOCATION	
01	Name of GSS	132/33kv GSS sasaram
02	Located at ( Name of locality)	Karup
03	Block/Prakhhand	Shivsagar
04	Police Station (Thana)	Shivsagar
05	Sub-Division	Sasaram
06	District	Rohtas
07	Transmission Division	Dehri-on-sona
08	Transmission Circle	Dehri-on-sona
09	GPS Co-ordinates	Lattitude:- 24°57'09.3"N Longitude:- 83°58'19.0" E
	LAND DETAILS	
10	Initial Area (In Acre)	5 Acre(Approx)
11	Whether it was:	
	(i) A Govt. Land (State type GM or )	Bihar Govt Land
	(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	No
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	