132/33 KV GSS Hajipur

GSS land assets

	LOCATION	Contraction of the Contract Destance
01	Name of GSS	132/33 KV Grid, Sub-Station, Hajipur
02	Located at(Name of locality)	Dighl Kalan, Hajipur
03	Block/ Prakhand	Hajipur
04	Police Station(Thana)	Hajipur, Sadar
05	Sub-Division	Hajipur
06	District	Vaishali
07	Transmission Division	Hajipur
08	Transmission Circle	Muzaffarpur
09	GPS Co-ordinates	Latitude- 25°71'75" Longitude- 85° 23' 61"
	LAND DETAILS	
10	Initial Area (In Acre)	10 Acre 17 dismil
11	Whether it was:	
	(i)A Govt. Land (State type GM or)	
	(ii)Private Land	Yes
	If Private Land , whether	
_	(i)Purchased	
	(ii)Acquired	Yes
-	(iii)Leased land	
12	Year of Purchase/Acquisition	30-09-1977
13	Whether mutation completed	No
14	Cost of land (at the time of procurement)	
15	Whether more land was purchased / acquired/leased in for GSS extension work? If yes, give details.	No
16	Area of extra land for GSS	
17	Cost	
18	Year of Purchase/ Lease of extra land	
19	Total area at present	10 acre 17 dismil
	Details of land (Khata/Khesra)	1/2433,2/2308,3/2426,4/2430,5/2432,6/2431,7/2421,7 A/2421,8/2429,9/2422,10/2428,11/2427,12/2424,13/2 25,13/B/2425,14/2393,15/2413,16/2423,17/2414,18/2 15,19/2416,20/2417,21/2421,22/2418,23/2419,24/242 ,22/A/2418,25/2420,26/2419,27/2418,28/2409,29/240 30/2407,31/2406,32/2403,33/2402,34/2401,35/2400,3 /2399,37/2410,38/2411,39/2412,40/2395,41/2396,42/ 384,43/2383,44/2385,45/2390,46/2391,47/2394,48/23 2,49/2393,50/2362,51/2363,52/2366,53/2389,54/2388 50/A/2362,55/2387,55/A/2387,6/A/2421,13/A/2361.5 A/2365,56/2386
_	Thana no.	105

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

Assistant Exprutive Englitett Bihar State Power transmission Co. Lta Trans.-S/D No.-1, Hajipur (Vaishali)

Details of Existing Equipment

Name of Circle: - Muzaffarpur

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Name of GSS:-132/33 V GSS, Hajipur
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(1.) (1.) (1.) (1.) Bay (1.) Hajipur Ckt 2 Hajipur Ckt 3 Hajipur Ckt 2 Hajipur Ckt 2 Hajipur Ckt 3 Hajipur Ckt 4 Hajipur Ckt 3 Hajipur Ckt 4 H	SI. No.	Name of Bay	Equipment Name	Quanti ty	Make	Date of Commissioning
(1.) 3-phase 1 CGL 30-02-2013 1-Ph CVT 2 Areva 1 1 1-Ph CVT 2 Areva 1 1 1-Ph CVT 1 SCT Limited 19-11-2016 01-08-2018 1-Ph Current 1 SCT Limited 19-11-2016 01-08-2018 132 KV Line 3 Phase 2 set The Best Tower (P) Ltd. NA 3 Phase 2 set The Best Tower (P) Ltd. NA 132 KV Line Ine control 1 Universal Electricals Ltd NA Bay Line control 1 Universal Electricals Ltd NA Hajipur Ckt Protection & 0/C E/F 7 7 Protection 1 CGL 30-02 2013 Circuit 8-phase 1 CGL			& relay panel with distance protection & O/C E/F	1	Universal Electricals Ltd	
Image: constraint of the second state of the secon			Circuit	1	CGL	30-02-2013
(1.) (1.) 132 KV Line Bay1-Ph Current Transformer1SCT Limited VTS Pvt Ltd Mehru19-11-2016 01-08-2018 NA13 Phase isolator without Earth switch2 set 1 setThe Best Tower (P) Ltd. NANA132 KV Line Bay11 set Vave TrapNANA132 KV Line BayLine control & relay panel with distance protection & 0/C E/F protection1Universal Electricals Ltd NANA1Line control & relay panel 			1-Ph CVT	2	Areva	
(1.) (32 KV Line BayTransformer1VTS Pvt Ltd01-08-2018 NA3 Phase isolator without Earth switch2 set I setThe Best Tower (P) Ltd. NANAWave Trap Vave Trap2NANAVave Trap Protection & O/C E/F protection1Universal Electricals Ltd NANAAphase I set I set1CGL30-02-2013 Circuit Breaker1-Ph CVT I -Ph CUTT2Areva-1-Ph CUTT I -Ph Current I -Ph Current Transformer3SCT Limited30-05-2017			LA	3	Elektrolites	
(1.) I32 KV Line Bay Hajipur Ckt 2 Hajipur Ckt 3 Hajipur Ckt 2 Hajipur Ckt 2 Hajipur Ckt 3 Hajipur Ckt 2 Hajipur Ckt 3 Hajipur Ckt 2 Hajipur Ckt 3 Hajipur Ckt 3 Hajipur Ckt 3 Hajipur Ckt 2 Hajipur Ckt 3 Hajipur Ckt 4 Hajipur Ckt 3 Hajipur Ckt 4 Hajipur Ckt 4 Hajipur Ckt 5 Hajipur Ckt 5 Hajip			A CONTRACTOR OF	1	VTS Pvt Ltd	19-11-2016 01-08-2018 NA
Line control & relay panel with distance protection & O/C E/F protection1Universal Electricals LtdNAHajipur Ckt 2O/C E/F protection1CGL30-02-20133- phase Circuit Breaker1CGL30-02-20131-Ph CVT LA2Areva11-Ph Current Transformer3SCT Limited30-05-2017	132 KV Line		isolator without	ALC: NO	to the manufactory of the second s	NA
& relay panel with distance protection & O/C E/F protection& relay panel with distance protection & O/C E/F protection& Relay panel protection & O/C E/F protection& Relay panel protection& Relay pane			Wave Trap	2	NA	NA
Circuit Breaker 1-Ph CVT 2 LA 3 1-Ph Current 3 SCT Limited 30-05-2017 Transformer 30-05-2017			& relay panel with distance protection & O/C E/F	Ĵ.	Universal Electricals Ltd	NA
LA3Elektrolites1-Ph Current3SCT Limited30-05-2017Transformer			Circuit	1	CGL	30-02-2013
1-Ph Current 3 SCT Limited 30-05-2017 Transformer			1-Ph CVT	2	Areva	
Transformer			LA	3	Elektrolites	
3 Phase 2 set The Best Tower (P) Ltd. NA				3	SCT Limited	30-05-2017
isolator without 1 set - Earth switch			isolator without		The Best Tower (P) Ltd.	NA
Wave Trap 2			and the second second second	2		



Details of Existing Equipment

Name of Circle: - Muzaffarpur

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Name of GSS:-132/33 KV GSS, Hajipur
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SI. No.	Name of	Equipment	Quanti	Make	Date of Commissioning
-	Bay	Name	ty		Commissioning
	Hajipur Ckt 1	Line control & relay panel with distance protection & O/C E/F protection	1	Universal Electricals Ltd	
	happur ent a	3-phase Circuit Breaker	1	CGL	30-02-2013
		1-Ph CVT	2	Areva	_
		LA	3	Elektrolites	
(1.) 132 KV Line Bay		1-Ph Current Transformer	1 1 1	SCT Limited VTS Pvt Ltd Mehru	19-11-2016 01-08-2018 NA
		3 Phase isolator without Earth switch	2 set 1 set	The Best Tower (P) Ltd.	NA
		Wave Trap	2	NA	NA
	Hajipur Ckt 2	Line control & relay panel with distance protection & O/C E/F protection	1	Universal Electricals Ltd	NA .
		3- phase Circuit Breaker	1	CGL	30-02-2013
		1-Ph CVT	2	Areva	
		LA	3	Elektrolites	
		1-Ph Current Transformer	3	SCT Limited	30-05-2017
		3 Phase isolator without Earth switch	2 set 1 set	The Best Tower (P) Ltd.	NA
		Wave Trap	2		

Samastipur Bay	Line control & relay panel with	1	English Electric	NA
2 2 2 3 0	distance protection & O/C E/F protection			
	3- phase Circuit Breaker	1	CGL	21-10-2011
	1-Ph CVT	1	Hindustan Brown Boveri	
	LA	2	Elpro International Ltd	
	1-Ph Current Transformer	3	ASEA	
	3 Phase isolator without Earth switch	3 set	Switchgear MFG Co. (P)Ltd.	
	Wave Trap	2		
Chhapra Bay	Line control & relay panel with distance protection & O/C E/F protection	1	English Electric	
	3- phase Circuit Breaker	1	CGL	1.0
	1-Ph CVT	1	Hindustan Brown Boweri	
	1-Ph Current Transformer	3	VTS Put Ltd	12-05-2018
	3 Phase isolator without Earth switch	3		
	and the second second second second	1		
50 MVA Transformer No.1	Transformer control and relay Panel with Differential Protection &	1	C &S Electrical	14-05-2015
	Bay Chhapra Bay So MVA Transformer	Bay & 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 without Earth switch Wave Trap Chhapra Bay Chhapra Bay Chapra Bay Chhapra Bay Chapra Chapra Bay Chapra Chapra Ch	Bay& relay panel with distance protection & O/C E/F protection3- phase Circuit Breaker11-Ph CVT1LA21-Ph CVT1LA21-Ph CVT1LA21-Ph Current solator without Earth switch3 setSolator with distance protection3 setChhapra BayLine control & relay panel with distance protection & O/C E/F protection1Solator with distance protection1Breaker11-Ph CVT11-Ph CVT11-Ph CVT11-Ph CVT11-Ph CVT11-Ph CVT13 Phase sisolator without Earth switch3Breaker11-Ph CVT11-Ph CVT11-Ph CVT11-Ph Current Transformer33 Phase isolator without Earth switch350 MVA Transformer No.1Transformer protection &50 MVA Transformer No.1Differential Protection &	Bay& relay panel with distance protection & O/C E/F protectionImage: CGL CGL3- phase1CGLCircuit Breaker1Hindustan Brown Boveri LA1-Ph CVT1Hindustan Brown Boveri1A2Elpro International Ltd1-Ph Current isolator3 setSwitchgear MFG Co. (P)Ltd.3 Phase isolator3 setSwitchgear MFG Co. (P)Ltd.Wave Trap22Chhapra BayLine control & relay panel with distance protection & 0/C E/F1English Electric3- phase isolator1CGL3- phase isolator1CGL3- phase isolator1CGL3- phase isolator1CGL3- phase isolator1CGL3- phase isolator1CGL1-Ph CUT With With distance protection & 3- phaseCGL3- phase isolator1CGL1-Ph CUT T Transformer13- Phase isolator33- Phase isolator43- Phase isolator43- Phase isolator4

r bay (HV)		3 phase Circuit Breaker	1	Siemens	15-05-2015
			3	Oblum Electrical India Pvt. Ltd.	
		1-Ph Current Transformer	3	SCT Limited	15-05-2015
E		3 Phase isolator without Earth switch	3 set	Switchgear MFG Co(P)Ltd	04-08-2015
	50 MVA Transformer No.2	Transformer control and relay Panel with Differential Protection & O/C E/F protection		C & S Electrical	
(2.) 132/33 KV Transforme		3-phase Circuit Breaker	1	Siemens	04-08-2015
r bay(HV)		LA	3	LAMCO Ind. Pvt. Ltd	
	50 MVA Transforme No. 3	1-Ph Current Transformer	3	Hindustan Brown Boveri	
		3 Phase isolator without Earth switch	3 set	Switchgear MFG Co(P)Ltd	1010
		Transformer control and relay Panel with Differential Protection & O/C E/F protection	1	Easun Reyrolle	Nov 2010
		3 phase	1	Siemens	12-10-2014
		LA	2	Elpro International Ltd Crompton Greaves	
		1-Ph Current Transformer	3	Crompton Greaves	
		3 Phase isolator	3 set	Elpro International Ltd	

E

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

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

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

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	with distance protection & O/C E/F protection			
Bidupur	3 phase Circuit Breaker	1	Megawin	
	1-Ph Current	1	Mehru	30-06-201
	Transformer 3 Phase	2	SCT Ltd	
	isolator without Earth switch	3		
Hajipur II (konhara)	control & relay panel with distance protection & O/C E/F protection	1	C & S Electrical	
	3 phase Circuit Breaker	1	CGL	
	1-Ph Current Transformer	3	SCT Ltd	
	3 Phase isolator with Earth switch	3	Elektrolites	
Rajapakar	control & relay panel with distance protection & O/C E/F protection	1	Venson Electric	
	3 phase Circuit Breaker	1	CGL	4
	1-Ph Current Transformer	3	Mehru	
	3 Phase isolator with Earth switch	3	Faraday Electricals Pvt Ltd	
Sarai	control & relay panel	1	Venson Electric	

	with distance protection & O/C E/F protection			
C E	A state of the	1	Siemens	
	1-Ph Current Transformer	3	Mehru	
	3 Phase isolator with Earth switch	3	Faraday Electricals Pvt Ltd	
Hajipur I (Sonpur)	control & relay panel with distance protection & O/C E/F protection	1	Universal Electical Ltd	
	3 Phase circuit Breaker	1	Siemens	02-07-2018
	1-Ph Current Transformer	1 2	SCT Ltd Advent Engineers	05-10-2013
	3 Phase isolator without Earth switch	2 1	Faraday Electrical Ltd	
Paswan Chawk	control & relay panel with distance protection & O/C E/F protection	1	Universal Electical Ltd	
	3 Phase circuit Breaker	1	CGL	09-07-2013
	1-Ph Current Transformer		Floral Electrical Pvt Ltd	
	3 Phase isolator without Earth switch	2	Switchgear Co. (P) Ltd	
33 KV of 22 KV Hajipur	0 control &	1	Easun Reyrolle Ltd	

	with			
	distance protection & O/C E/F protection			
	3 Phase circuit Breaker	1	CGL	
	1-Ph Current Transformer	3	Mehru	
	3 Phase isolator without Earth switch	3	Switchgear & Structurals (India) Pvt Ltd	
33 KV of 220 KV Hajipur II	control & relay panel with distance protection & O/C E/F protection	1	Easun Reyrolle Ltd	
	3 Phase circuit Breaker	1	CGL	
	1-Ph Current Transformer	3	Mehru	
	3 Phase isolator without Earth switch	3	Switchgear & Structurals (India) Pvt Ltd	
Buscoupler	control & relay panel with distance protection & O/C E/F protection	1	Universal Electrical Ltd	
	3 Phase circuit Breaker	1	ALIND Switchgear	2
	1-Ph Current Transformer		Floral Electrical Pvt Ltd	
	3 Phase isolator without Earth switch	3		
	PT	1	CGL	1

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

R

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

Other Substation Equipments-

SI. no	Equipment r	name		Quantity	Make	Date of commissioning
1	50 MVA transfor	mer no.1		1	CGL	14-15-2015
2	50 MVA transfor	mer no.2		1	CGL	04-08-2015
3	50 MVA transfor	ormer no.3		1	EMCO Ltd	Nov 2010
4	Battery charger	250 V		1 1	Siemens HBL	
5	DCDB	250 V 250 V		1 1	UNILEC Vikas Power Equipment (p) Ltd	- 14
6	ACDB	415 V 415 V		1 1	UNILEC Vikas Power Equipment (p) Ltd	
7	Battery bank	250 V,2004 250 V,3004		1 1	HBL HBL	
8	DG set	1		Not Available		
9	132 KV Discharging Rod 33 KV Discharging Rod			1 3		
10	Safety gear	Helr	net	2		
		Bo	ot	2 set		17
		Hai Glo	ATEL	1		
12	SST (315KV	(A)		1		

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

Sample format for GSS land assets

GSS: JANDAHA

	LOCATION	JANDAHA
01	Name of GSS	132/33KV GISSJANDAHA
02	Located at (Name of locality)	Kalapahar, Salha
03	Block/Prakhand	Jandaha
04	Police Station (Thana)	Jandaha
05	Sub-Division	Mahua.
06	District	Vaishali
07	Transmission Division	Hajipuð
08	Transmission Circle	Muzalfaroll
09	GPS Co-ordinates	Lat - 25' 42'33' Long - 85'30'c
	LAND DETAILS	0
10	Initial Area (In Acre)	7.56
11	Whether it was:	
	(i) A Govt Land (State type GM or)	
	(ii) Private Land	Yes
	If Private Land, Whether	5.00
	(i) Purchased	
	(ii) Acquired	Yes
	(iii) Leased Land	105
12	Year of Purchase/Acquisition	13.04.2012
13	Whether mutation completed	YES
14	Cost of the Land (At the time of	
1	procurement)	Not Available
15	Whether more land was purchased	
	/acquired/ Leased in for GSS Extension	No
	work?	100
	If yes, Give details	
16	Area of the extra land for GSS	
17	Cost	
20	Year of Purchase/lease of extra land	
	Total area at present	7.56 acre
	Details of Land (Khata/Khesara)	Khata & Khesara Both
	Thana No.	603
-	Name of Municipality/Nagar Parishad etc	
-	Ward No./Circle No./ Holding No.	
-	Amount of Early Land related Taxes	
-	Taxes clear up to	
22	Land Records available with	

Pinki kumari 10.11.18

Assistant Electrical Engineer Grid Sub Station Jandaha

ne o			Equipment Name	Quantity	Make	Date of Commissioning
10.	Voltage Level	Name of Bay	Line control & relay panel with Distance			
-			protection & O/C E/F protection			
			3 Phase Circuit Breaker			
			1 Ph CVT			
		1st bay	LA			
			1 Ph Current Transformer			
			9 Phase isolator with/without Earth switch			
	220 KV Line Bay		Line control & relay panel with Distance			
			protection & O/CE/F protection			
			3 Phase Circuit Breaker			
			1 Ph CVT			
		2nd bay	LA			
			1.Ph Current Transformer			
			3 Phase Isolator with/without Earth switch			
-			Transformer control & relay panel with			
			Differential protection & Q CE/F			
			orotector			
	220122 KV		3 Phase Lincuit Breaker			
	1 anstermer	Ist bay				
	TBV HV		1.Ph.Coment Transformer			
			3 Phase isolator with without Earth switch			
-			Transformer control & relay banel with			
			Differential protection & O/C E/F		1	
			protection			
			a Phase Circuit Breaker			
			14			
	2.34 UN3		1-Ph Current Transformer			
			3 Prase solator with/without Earth switch		-	
			Loe Lottrol & relay panel with Distance		4	
			protection & O/C E/F protection			
					+	
			2 Prase Circuit Breaker		-1	
	Buscoupler		1 Ph PT		+	+
	Day		LA			
			I.Ph.Current Transformer			
		~	3 Phase isolator with/without Earth switch		CE MAN	
-			Line Control & relay panel with Distance protection & O.C.E.F protection	03	GE MULTIL Micom	1N 22.02.2014 (02. 03.09.2016 (Mah
			3 Phase Circuit Breaker	03	CGIL, Siem	ens
			1 Ph CVT	09	CGIL, ALS	and the second s
	132 KV Line bay		LA	09	CGL LA	MCO
			1-Ph Corrent Transformer	09	LAMCO, SC	+
i.			1-Ph Cone it Hansionner			
			3 Phase Isolator with/ without Earth switch	03	515,FE	
T			Transformer control & relay panes with	03	MICOM	22.02.201+(20MVA 22.09.2017(50MVA
			Differential protection & O/CE/F		GE multil	122.00 22.771
			protection			22109.2017 (SOMVA
	132/33 KV		3 Phase Circuit Breaker	OB	CGIL	
	Transformer		La La	09	CGL	
	(VH)vsd		1 Ph Current Transformer	09	LAMCO, SC	T
			have been an and the second of	+		and the second se
			3 Phase is ratio with without Earth six to b	03	SIS, RK Engineer	

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		* anstormer control & rela, paner with	03	GE multi	lin(02) 22.02 2014 (20
		offerential protection & O C & F		Micom(b)) 22.09.2017 [50MV
132 38 KV		Pictedan			22.09.2017 [Somvi
Transformer		3 Phase Calcuit Streaker	03	CGL	
Davievi		LA	09	COL	
		1.Ph Current Transfermer	09	SCT	
		3 Phase schator with without Earth cart	3	J.D. Electric	al
		Line control & relay panel with Distance protection & O.C.E./F protection	01	GIE Mullelin	22.02.2014
in and the second		3 Phase Circuit Breaker	01	CGL	
132 × × Buscoup	er i	1 Ph P*	03	LAMCO	
Dav		LA	03		
		1-Ph Current Transformer	03	LAMCO	
		3 Phase isolator with/without Earth switc	n 01	S&S Ltd	
		Line control & relay panel with O/C E/F protection	06	MicomBL	(05) 22.02.2014 (0) 14.05.2015 (Desrib
		3 Phase Circuit Breaker	06	CGILABB.S Stelm	lemenu
33 KV Feeder		LA	18	CGI	
		1-Ph C. Lent Transformer	18	KAPCO Elect	scal
		3 Phase Isolator with without Earth switch	@6	Elektrolia FARADAY E	sltd
		ume control & relay panel with Distance protection & O/CE/P protection	01	GIE multili	n 22.02.2014
		3 Phase Circuit Breaker	01	CGIL	
33 + V Bus puble		1 Ph PT	03	LAMCO	
2011 003 000 0		LA	03	CGL	
		1-Ph Current Transformer	03	LAMCO	
		3 Phase isolator with without Earth switch	01	Elektrolice	Hd.
		Other Substation Equipments -			
Batlery charge	250~		02	HBL	22.02.2014
Batien, Charge	250√ - 40√		01	HBL	
Entre v charge Acup			01	HBL	
	- 40/		01 01 02+01	HBL	
4:20	- 40V	of working) 250V	01 01 02+01 02	HBL	
ACD6 0C08/110//48V/	- 40/	of working) 250V	01 01 02+01 02 01	HBL Vikas Rowe Egot Lid	
ACD6 0C08/110//48V/	1 02(01 NG 2 48V	of working) 250V rking)	01 01 02+01 02	HBL	
ALUO DCOBILLON/48V/ Battery Dank	1 02(01 NG 2 48V		01 01 02+01 02 01	HBL Vikas Rowe Egot Lid	
ALUO DCOBILLON/48V/ Battery Dank	1 02 (01 No 2 48 V (Not wor 1 molator	rking)	01 01 02+01 02 01	HBL Vikas Rowe Egpt Ltd II Powerica	· · · · · · · · · · · · · · · · · · ·
ALUO DCOBILLON/48V/ Battery Dank	1 02 (01 No 2 48 V (Not wor 2 Molator 2 Battery Charg	rking)	01 01 02+01 02 01 01 01	HBL Vikas Rowe Egpt Lid II Powerica	Proverse 0 2-06-2017
ALUO DCOBILLOV/48V/ Battery bank DG let	- 40V - 02(01 No - 48V (Not wor - solator - Battery Chan - Partel	rking)	0 1 01 02+01 02 01 01	HBL Vikas Rowe Egpt Lid II Powerica CGL, ABB, B BEETELTE	Power 02-06-2017
ACUE DCOBILLOV/48V/ Battery Dank DG Let PGL ²¹ Ergo partent	1 02 (01 NG 2 48V (Not wor 2 Battery Char 3 Parter 4 telephone	rking)	01 01 02+01 02 01 01 01	HBL Vikas Rower Egpt Lid II Powerica CGL, ABB I BEETEL TE TESH LTD	Power 02-06-2017 2E
Alue DCOBILLOV/48V/ Battery bank DGLet Pull Equipment Hydrant system wi	1 02 (01 NG 2 48 V (Not wor 2 Battery Charge 3 Panel 4 terephone th Pipe arrangem	rking)	01 01 02+01 02 01 01 01	HBL Vikas Rowe Egpt Lid II Powerica CGL, ABB, B BEETELTE	Power 02-06-2017 2E
ACDO DCDB-110-48V Battery bank DG-et PCI f ergo priment Hydrant system wi Fine Fighting Equip	1 02 (01 NG 2 48 V (Not wor 2 Battery Charge 3 Panel 4 terephone th Pipe arrangem	rking)	0 1 01 02+01 02 01 01 01 04 02 24	HBL Vikas Rower Egpt Lid II Powerica CGL, ABB I BEETEL TE TESH LTD	Power 02-06-2017 2E
Alue DCOBILLOV 48V Battery Dank DGLet Pull Equipment Hydrant system wi Eme Pignting Equip Earthing Rods	1 02 (01 NG 2 48 V (Not wor 2 Battery Charge 3 Panel 4 terephone th Pipe arrangem ment	rking) ent	0 1 01 02+01 02 01 01 01 04 02	HBL Vikas Rower Egpt Lid II Powerica CGL, ABB I BEETEL TE TESH LTD	Power 02-06-2017 2E
ACUO DCOBILITY 48V Battery Dank DG Let POLITIE go priment Hydrant System Wi Fine Fighting Equip Earthing Rods Tools & Taukles(So	1 02 (01 NG 2 48 V € Not wor 2 Battery Char 3 Parel 4 terephone th Pipe arrangem ment anners Wierch le	rking) ent	01 02+01 02 01 02 01 01 01 02 04 02 24 04	HBL Vikas Rower Expt Lid II Powerica CGL, ABB, P BEETEL, TE TECH LTD CHAWCA, LE TAPARIA MEGABRA	Power 02-06-2017 2E
ACUE DCOBILLOW ABV Battery Dank DG Let PCL T endo priment Hydronit system wi Ene Pignting Equip Earthing Rods Tools & Tackles(Sp Testing Equipment	1 02 (01 NG 2 48 V (Not wor 2 Battery Char 3 Parter 4 telephone th Pipe arrangem ment anners Wrench le 5	ent	01 02+01 02 01 02 01 01 01 02 04 02 24 04 06 02	HBL Vikas Rowe Eqpt Lid II Powerica CGL, ABB (BEETELTE TESH LTD CHAWCA, LE TAPARIA MEGABRA	Power 02-06-2017 2E
ACUO DCOBILITY 48V Battery Dank DG Let POLITIE go priment Hydrant System wi Fine Fighting Equip Earthing Rods Tools & Taukles(So	1 02 (01 NG 2 48 V (Not wor 2 Battery Char 3 Parter 4 telephone th Pipe arrangem ment anners Wrench le 5	ent	0 1 01 02+01 02 01 01 01 01 02 04 02 24 04 06	HBL Vikas Rowe Eqpt Lid II Powerica CGL, ABB (BEETELTE TESH LTD CHAWCA, LE TAPARIA MEGABRA	Power 02-06-2017 2E

Rinki Kumari 10.11.18 Assistant Electrical Engineer Grid Sub Station Jandaha

	Line control & relay panel with Distance protection & O/C E/F protection	02	SEL	08-08-2016
	3 Phase Circuit Breaker	02	ABB	- 00 -
132 KV Line bay	1 Ph CVT	06	CGIL	-20-
and the second se	LA	06	LAMPKO	-00-
				And the same is a subscription of the second
	1-Ph Current Transformer	06	SCT	-20-
1997 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 - 1998 -	3 Phase Isolator with/without Earth switch	06	FARADAY	-20-
	Transformer control & relay panel with Differential protection & O/C E/F protection	02	SEL	- 90-
132/33 KV Transformer	3 Phase Circuit Breaker	02	ABB	- 00-
bay(HV)	LA	06	LAMPKO	- 20-
	1-Ph Current Transformer	06	SCT	-20-
	3 Phase Isolator	00		- Du-
	with/without Earth switch	06	FARADAY	- 20-
	Transformer control & relay panel with Differential protection & O/C E/F protection	-	1	
132/33 KV Transformer	3 Phase Circuit Breaker	02	SCHNTLER	-20-
	LA	06	LAMPKO	- Do-
bay(LV)	1-Ph Current Transformer	06	SCT	-20-
	3 Phase Isolator with/without Earth switch	06	FARADAY	- 20-
	Line control & relay panel with Distance protection & O/C E/F protection	01	SEL	- 20 -
	3 Phase Circuit Breaker	01	ABB	- 0-
	1 Ph PT	03	SCT	- 20 -
132 KV Buscoupler bay		A result of the second s	201	- 20 -
	LA	NIL	-	
	1-Ph Current Transformer	03	SCT	- 20 -
	3 Phase Isolator with/without Earth switch	03	FARADAY	00-
	Line control & relay panel with O/C E/F protection	04	SEL	- 20-
	3 Phase Circuit Breaker	04	SCHNIDER	- 20-
	and the second	12	LAMPKO	- 00-
33 KV Feeder	LA	14		-20-
	1-Ph Current Transformer	12	SCT	
	3 Phase Isolator with/without Earth switch	14	FARADAY	0-
	Line control & relay panel with Distance protection & O/C E/F protection	C1	SEL	- Do
	3 Phase Circuit Breaker	01	SCHNIDER	-20-
		03	SOT	- Do-
	1 Ph PT	100		
33 KV Buscoupler	LA 1-Ph Current Transformer	03	SCT	0
	3 Phase isolator	03	FARADAY	_ 90

132/33 GIRTD SUB-STATION MAHNAR

	Other Substation Equipments	and the second	The second se	
Battery Charger	1 2.5° V	02	CHLORIDE	08-08-2016
	248V	02	CHLORIDE	
	ACD8	01	ASPL	08-08-2016
	DCDB(1\$0V#48V)	02 (01+0)	ASPL	
Battery bank	1 2500	02	EXCIPE	08-08-2=16
	2 48V	02	EXCIDE	
	DG set	01	JAKSON	
	1.isolator	-	-	
PLCC Equipment	2. Battery Charger (48 v)	02	CHLORIDE	
CCC Equipriment	3. Panel	04	CGIL	02-06-2017
	4.telephone	04	-	
Hydrant s	stem with Pipe arrangement	-	-	
	e Fighting Equipment	12	GUNNEBO	
	Earthing Rods	06	-	
Tools & Tackles	(Spanners, Wrenchetc.(Set/Piece)	-	-	
the second s	Festing Equipments			
the second se	ar(Helmet, Gloves, Boot, etc.)	-	-	ALC: LA LA LA
	SST	02	STARAN	08-08-2016
S.n.	are Hardware Fitting.	-	-	

Testing Equipment	01	MOTHANE
a) MULTIMETER	01	WACO
>> IR-TESTER >> VOLTAGE & FREQUENCY	01	SEL
8 VOLTHORE FROMENT		MOTWANE
a) BDV OIL TEST KIT	01	Molanie
as BDVOLL (C		

Sample format for GSS land assets

GSS:- 132/33KV GSS MAHNAR

	LOCATION	132/33KV GSS Ma	hnar		
01	Name of GSS	Sahadei Buzurj	intu		
02	Located at (Name of locality)	Sahadei			
03	Block/Prakhand	Desari			
04	Police Station (Thana)				
05	Sub-Division	Mahnar			
06	District	Vaishali			
07	Transmission Division	Hajipur			
08	Transmission Circle	Muzaffarpur 22°39'41.5"E 85°2	07'01 44"N		
09	GPS Co-ordinates	22°39'41.5 E 65 4	27 01.44 10		
	LAND DETAILS				
10	Initial Area (In Acre)	3.66 Acres			
11	Whether it was:				
	(i) A Govt. Land (State type GM or)	Govt.			
	(ii) Private Land				
	If Private Land, Whether				
	(i) Purchased				
	(ii) Acquired				
	(iii) Leased Land				
12	Year of Purchase/Acquisition				
13	Whether mutation completed	No			
14	Cost of the Land (At the time of	Rs 4,03,19,560/-			
	procurement)	No			
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	3.66 Acres			
21	Total area at present		khesara		
	Details of Land (Khata/Khesara)	Khata	1457		
		147			
		209	1458		
		45	1459		
		269	1460		
		151	1461		
		390	1463		
		109	1474		

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

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Details of existing equipment

Name of Circle- Transmission Circle, Muzaffarpur,

Name of GSS- 132/33 KV GSS, SHEOHAR

SI. No.	Name of Bay	Equipment Name	Quantity	Make	Date of Commissioning
1.	132 KV SITAMARHI- SHEOHAR	Line control & relay panel with distance protection & O/C & E/F protection	01 &01	SEL	09.08.2016
		3-phase Circuit Breaker	01	SIEMENS	19.07.2016
		1-ph CVT	03	ALSTOM	12.07.2016
		LA	03	LAMKO	09.08.2016
		1-ph current transformer	03	SCT limited	27.07.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	09.08.2016
2.	132 KV SHEOHAR-DHAKA	Line control & relay panel. with distance protection & O/C & E/F protection	01 &01	SEL	09.08.2016
		3-phase Circuit Breaker	01	Siemens	19.07.2016
		1-ph CVT	03	ALSTOM	12.07.2016
		LA	03	LAMKO	09.08.2016
		1-ph current transformer	03	SCT limited	27.07.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	09.08.2016
3.	132 KV SPARE LINE BAY-I	Line control & relay panel with distance protection & O/C & E/F protection	01 &01	SEL	27.10.2016
		3-phase Circuit Breaker	01	Siemens	12.09.2016
		1-ph CVT	03	ALSTOM	19.07.2016
		LA	03	LAMKO	01.08.2016
	and the second second second	1-ph current transformer	03	SCT limited	22.08.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	09.09.2016
	132 KV SPARE LINE BAY-2	Line control & relay panel with distance protection & O/C & E/F protection	01 &01	SEL	27.10.2016
		3-phase Circuit Breaker	01	Siemens	12.09.2016
		1-ph CVT	03	ALSTOM	19.07.2016
		LA	03	LAMKO	01.08.2016
		1-ph current transformer	03	SCT limited	22.08.2016
		3-ph isolator with/without earth switch		FARADAY	09.09.2016
	50 MVA Transformer No-I	Transformer Control & relay panel with Differential Protection & O/C E/F Protection	01 &01	SEL	09.08.2016
		50 MVA POWER TRANSFORMER-1	01	ECE	09.08.2016
		3-phase Circuit Breaker	01	Siemens	09.08.2016
		LA	03	LAMKO	01.08.2016/24.
1.1		1-ph current transformer	03	SCT	22.08.2016

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		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	09.09.2016
6.	50 MVA Transformer No-II	relay panel with Differential Protection & O/C E/F Protection	01 & 01	SEL	27.10.2016
		50 MVA POWER TRANSFORMER-2	01	ECE	27.10.2016
		3-phase Circuit Breaker	01	SIEMENS	22.07.16
		LA	03	LAMKO	13.08.16
		1-ph current transformer	03	SCT limited	12.09.16
<u> </u>		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	20.10.16
7.	132 KV Bus Coupler	Line control & relay panel with distance protection & O/C & E/F protection	01 &01	SEL	09.08.2016
		3-phase Circuit Breaker	01	SIEMENS	19.07.2016
		1-ph potential transformer	03	SCT LTD.	12.07.2016
		1-ph current transformer	03	SCT LTD.	09.08.2016
		3-ph isolator with/without	03	FARADAY	27.07.2016
		earth switch		ELECTRICALS	21.01.2020
8.	33 KV SHEOHAR	Line control & relay panel with O/C & E/F protection	01	SEL	16.08.2016
		3-phase Circuit Breaker	01	SIEMENS	16.08.2016
	1		03	LAMKO	14.08. 2016
			03	SCT limited	12.07.2016
		3-ph isolator with/without earth switch	03	FARADAY ELECTRICALS	13.06. 2016
9.	33KV TARIYANI	Line control & relay panel with O/C & E/F protection	01	SEL	07.07.2017
			01	SIEMENS	09.06.2016
	1	LA	03	LAMKO	07.07.2017
		1-ph current transformer	03	SCT limited	10.05.2017
			03		22.05.2017
0.		Line control & relay panel (with d O/C & E/F protection	01	SEL	09.09.2016
1			01	SIEMENS	16.08.2016
			03	LAMKO	14.08. 2016
	i Li		03	SCT limited	12.07. 2016
			03	FARADAY	13.06. 2016
·	33KV SPARE FEEDER-2		01	SEL	16.08.2016
			01	SIEMENS	10.00.0010
			03	LAMKO	16.08.2016
× .			03		14.08.2016
1)3	SCT limited	12.07.2016
	ea	arth switch		FARADAY ELECTRICALS	13.06. 2016
3			01	SEL	25.10.16
		rith O/C & E/F protection -phase Circuit Breaker 0:			1

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		LA	102		
		1-ph current transformer	03	LAMKO	13.08.16
		3-ph isolator with/without	03	SCT limited	12.09.16
		earth switch	03	FARADAY	20.10.16
13.	33 KV SPARE FEEDER- 3	Line control & relay panel		ELECTRICALS	20.10.16
		with O/C & E/F protection	01	SEL	16.08.16
		3-phase Circuit Breaker	01	SIEMENS	
		LA	03	LAMKO	16.08.2016
		1-ph current transformer	03	SCT limited	14.08. 2016
		3-ph isolator with/without	03		12.07. 2016
14.	22414 624 22 22 22 22	earth switch		FARADAY	13.06. 2016
74	33KV SPARE FEEDER- 4	Line control & relay panel	01	ELECTRICALS	
		with distance O/C & E/F	01	SEL	16.08.16
		protection			
		3-phase Circuit Breaker	01		
		LA	03	SIEMENS	16.08.2016
		1-ph current transformer		LAMKO	14.08. 2016
		3-ph isolator with/without	03	SCT limited	12.07. 2016
		earth switch	03	FARADAY	13.06. 2016
15.	132/33 KV TRANSFORMER	relay panel protection O/C		ELECTRICALS	
	BAY(LV)-I	& E/F protection& df/dt	01&1	SEL	09.08.2016
		protection			
		3-phase Circuit Breaker	01	SIEMENS	09.08.2016
		LA	03	LAMKO	09.08.2016
		1-ph current transformer	03	SCT limited	01.08.2016
		3-ph isolator with/without	03	FARADAY	02.08.2016
6.	122/22 10/ 75 10/ 75 10/	earth switch		ELECTRICALS	
0.	132/33 KV TRANSFORMER	relay panel protection O/C	01&1	SEL	27.10.2016
	BAY(LV)-II	& E/F protection & df/dt			27.10.2010
		protection			
		3-phase Circuit Breaker	01	SIEMENS	27.10.2016
		LA	03	LAMKO	22.07.16
		1-ph current transformer	03	SCT limited	13.08.16
		3-ph isolator with/without	03	FARADAY	
	1	earth switch		ELECTRICALS	12.09.16

Other Substation Equipments

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

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

Saf		2 () C.	anander die solid odder odder odder odder die die solid of			
SI No	Type	Quantity (Nos)	Weight (KG)	REMARKS			
	heel/Trolley mounted fire extinguishers						
9	DCP type	2	22.5	Fire extinguisher DCP type refilled November			
Ь	CO ₂ type	2	22.5	2017			
2.Po	rtable fire extinguishers	alma dag sharma ku no ya ka					
)	DCP type	4	4.5				
)	CO ₂ type	4	4.5				
•	Fire bucket stand	2	n han an a				
	Fire bucket	8	an alanga ata yang yang sang safat di kara di serah di ngawan ta				

10/11/19

ASSISTANT EXECUTIVE ENGINEER Transmission Subdivision

Sample format for GSS land assets

132/33 KV GSS Sheohar

	LOCATION	Chaptar	والمحتورة أوالد ماذية والمركب المركب المحاسبة فالمتحم معامد فيتقوره ومعادي مالانتهام متحاولة
	Name of GSS	Sheohar	
	Located at (name of locality)	Visanpur Man singh	
	Block	Sheohar	
	Police station	Sheohar	
	Sub-Division	Sheohar	
	District	Sheohar	
	Transmission divison	Muzaffarpur	
	Transmission circle	Muzaffaipur	NG: 85.311863
	GPS Co-ordinates	LAT: 26.521148 LON	0.85.511005
	LAND DETAIL		
-	Initial area (in Acres)	7.00(apprrox)	
0	Whether it was:		
1	(i) A Govt. land (state type GM or)		
	(ii) Private land	yes	
	If private land , whether		
		yes	
	(1)		
		2013	
12	Year of purchase/Acquisation	N/A	
13	Whether mutation completed Cost of land(At the time of procurement)	N/A	
14	Cost of land (At the time of procurement)	Νυ	
15	Whether more land was purchased/Acuired/Leased in the GSS		
	extention work?		,
	If yes give details. Area of the extra land for GSS	No	
16		N/A	
17	Cost Year of purchase/lease of extra land	N/A	
18	Year of purchase/lease of extra a	7.00 Acres	No.
19	Total area at present Detail of land(khata/khesara)	Khata No.	Khesra No.
	Detail of land(knata) kneskia,	106,97,31,151,150,80,	355,328,358,357,356, 359,360,361,320,319,
		43,164,4,131,100	324,325,326,327,331,
			324,325,326,527,331, 332,333,329,330,362
			332,555,525,550,502
	These No.		
	Thana No. Name of municipality/Nagar parishad etc.	Chamanpur	
	Ward No./circle No./Holding No.	13	
	Amount of Early Land related taxes.		
	Amount of Early Land Telated tones		
	Taxes clear up to	Purchased	11110 - 024
22	Land Records available with	and the second	40000 2011 10/11/1

(arg ASSISTANT EXECUTIVE ENGINEER Transmission Subdivision Sheohar and the second states