Calculation of Evaluated Price for Bhusawal 1x660 MW Project Unit 6						
		Annexure-A				
Abstract of Bid Price & Evaluated Price (P 1 TO P 6 & P 8)						
Sr.No.	Description	Load Factor	M/s BHEL	M/s TOSHIBA	M/s L&T	Remarks
1	Bid/Quoted Price	P1	27840066675	30792135504	37803135000	Annex A1-BHEL Annex A2-Toshiba Annex A3-L&T.
2	Loading on account of Completion Period	P2	0	0	324000000	Annex -C
3	Loading on account of deficiency in scope	P3	0	0	0	Annex -C
4	Loading on account of withdrawal of technical deviations & deviations	P4	840395000	449541919	368739070	Annex-C & E
5	Loading on account of deficiancy in Performance	P5	111400000	1083100000	1052500000	Annex -C
6	Loading on account of commercial deviations	P6	0	0	0	Annex -C
7	interest During Construction(IDC) worked out as stipulated under clause 31.1.6 ,Section 1 Vol-1	P8	3920638268	6217811019	7314179580	Annex A1.1-BHEL — N 33 Annex A2.1-Toshiba — 35 Annex A3.1-L&T. — 37
8	TOTAL (P1 TO P8) ABOVE		32712499943	38542588442	46862553650	

DyEE AEE Ex. Engr. Sr. Mgr. 30/4 SE (Contracts) 30/4 CE (P&P)

N-27

Company Name : Bharat Heavy Electricals Ltd.

Abstract of Main Bid and Supplementary Bid of M/s BHEL (Annexure-A1)

Sr. No.	Particulars	Amount in INR	Foreign Currencies 1	Amount in Foreign Currencies 1	Foreign Currencies 2	Amount in Foreign Currencies 2	Excise Duty (In %)	CST (In %)	M VAT (In %)	Exit Tax (In %)	Price (+/- w.r.t. original price bid) INR	Price (+/- w.r.t. original price bid) FC1	Price (+/- w.r.t. original price bid) FC2	Price INR	Price FC1 (USD)	Price FC2 (JPY)
	Schedule 1 - Proforma of Break Up of Prices (Main Price Bid - Cover 2)										Schedule - 1S Break-up of Supplementary Price bid			TOTAL of Main PB & Suppl. PB		
1	Supply of Equipment, Mandatory Spares and Materials															
1.1	Supply and Indigenous Equipment and Materials	15440000000	INR	0	INR	0	12.36	2	5	0	-456938313	0	0	1498306168[illegible]	0	0
1.2	Supply of Indigenous Mandatory Spares	1461482440	INR	0	INR	0	12.36	2	5	0	-48500000	0	0	1412982440	0	0
							Basic CD	CVD	Spl.AD	Any other						
1.3	Supply of imported equipment, and materials to be directly delivered to the site on CFR Basis	0	INR	0	INR	0	5	12.36	4	0	0	0	0	0	0	0
1.4	Supply of Imported Mandatory Spares to be directly delivered to the site on CFR basis	0	INR	0	INR	0	5	12.36	4	0	0	0	0	0	0	0
							Excise Duty (In %)	CST (In %)	M VAT (In %)	Exit Tax (In %)						
1.5	Supply of Steel, Cement and other aggregates for Civil, Structural and Architectural Works	1695202577	INR	0	INR	0	12.36	2	5	0	-10000000	NA	NA	1685202577	0	0
1.6	Inland Freight for FOR site delivery of 1.1 to 1.5 above including taxes thereon, if any	429182976									-9182976	NA	NA	420000000	0	0
1.7	Amount of Taxes & Duties on 1.1 to 1.5 for the purpose of ceiling	2774104008									-300480037	NA	NA	247362397[illegible]	0	0
Sr. No.	Particulars	Amount in INR					Service Tax (In %)									
2	Erection, Testing and Commissioning															
2.1	Equipment related design and engineering (except for Civil design and engineering)	0					12.36				0	0	0	0	0	0
2.2	Erection, Testing and Commissioning	2230000000					12.36				-20000000			2210000000	0	0
2.3	Amount of Taxes & duties on 2.1 to 2.2 for the purpose of ceiling in INR	275628000									-2472000	NA	NA	273156000	0	0
3	Civil Construction, Structural and Architectural Work															
3.1	Civil works related Design engineering	0					12.36				0	NA	NA	0	0	0
3.2	Civil Construction, Structural and Architectural Works	4000000000					12.36				-100000000	NA	NA	3900000000	0	0
3.3	Amount of Taxes & duties on 3.1 to 3.2 for the purpose of ceiling in INR	494400000									-12360000	NA	NA	482040000	0	0
1 to 3	Grand Total	28800000001									-959933326	NA	NA	27840066675	0	0

Total Quoted Price	INR	27840066675	
Discount	INR	0	
Quoted / Bid Price (P1)	**INR**	**27840066675**	
Cost of withdrwawal of Tech. Deviations (P4)	INR	840395000	
Evaluated Bid Price	**INR**	**28680461675**	(P1 + P4)

Refer Annexure E (working sheet)

DyEE AEE 30/4 EE Sr.Mgr 30/4 SE (Contract) 3/4 DyCE CE (P&P)

Company Name : Toshiba JSW Power Systems LTd.

Abstract of Main Bid and Supplementary Bid of M/s TOSHIBA (Annexure-A2)

Schedule 1 - Proforma of Break Up of Prices MAIN BID (Price Cover-2)											SCh.1S - Suppl. Price Bid			TOTAL of Main PB & Suppl. PB		
Sr. No.	Particulars	Amount in INR	Foreign Currencies 1	Amount in Foreign Currencies 1	Foreign Currencies 2	Amount in Foreign Currencies 2	Excise Duty (In %)	CST (In %)	M VAT (In %)	Exit Tax (In %)	Price (+ / - w.r.t. original price bid) INR	Price (+ / - w.r.t. original price bid) FC1 (JPY)	Price (+ / - w.r.t. original price bid) FC2 (USD)	Price INR	Price FC1 (USD)	Price FC2 (JPY)
1	Supply of Equipment, Mandatory Spares and Materials															
1.1	Supply and Indigenous Equipment and Materials	14735734000	JPY	1206408000	USD	27724000	12.36	2	5	0	-1406384000	-344230000	-2534000	13329350000	862178000	25190000
1.2	Supply of Indigenous Mandatory Spares	789365000	JPY	196428000	USD	1800000	12.36	2	5	0	-39764000	-196428000	920000	749601000	0	2720000
							Basic CD	CVD	Spl.AD	Any other						
1.3	Supply of imported equipment, and materials to be directly delivered to the site on CFR Basis	0	JPY	524237000	USD	37951000	5	12	4	1.85	0	350356000	-8442000	0	874593000	29509000
1.4	Supply of Imported Mandatory Spares to be directly delivered to the site on CFR basis	0	JPY	126960000	USD	3012000	5	12	4	1.85	0	188302000	-640000	0	315262000	2372000
							Excise Duty (In %)	CST (In %)	M VAT (In %)	Exit Tax (In %)						
1.5	Supply of Steel, Cement and other aggregates for Civil, Structural and Architectural Works	2882525000	JPY	0	USD	0	12.36	2	5	0	112733000	0	0	2995258000	0	0
1.6	Inland Freight for FOR site delivery of 1.1 to 1.5 above including taxes thereon, if any	539355000									-45011000	0	0	494344000	0	0
1.7	Amount of Taxes & Duties on 1.1 to 1.5 for the purpose of ceiling	3404506000									-275613000	0	0	3128893000	0	0
Sr. No.	Particulars	Amount in INR					Service Tax (In %)									
2	Erection, Testing and Commissioning															
2.1	Equipment related design and engineering (except for Civil design and engineering)	182278000	JPY	0	USD	0	12.36				-14427000	0	0	167851000	0	0
2.2	Erection, Testing and Commissioning	2509458000	JPY	0	USD	0	12.36				-19379000	0	0	2490079000	0	0
2.3	Amount of Taxes & duties on 2.1 to 2.2 for the purpose of ceiling in INR	346868000									-2111000	0	0	344757000	0	0
3	Civil Construction, Structural and Architectural Work															
3.1	Civil works related Design engineering	0	JPY	0	USD	0					0	0	0	0	0	0
3.2	Civil Construction, Structural and Architectural Works	1188863000					12.36				-147612000	0	0	1041251000	0	0
3.3	Amount of Taxes & duties on 3.1 to 3.2 for the purpose of ceiling in INR	145384000									-17526000	0	0	127858000	0	0
1 to 3	Grand Total	26724336000	JPY	2054033000	USD	70487000					-1855094000	-2000000	-10696000	24869242000	2052033000	59791000

Total Quoted Price	INR	24869242000	JPY	2052033000	USD	59791000	
Discount	INR	0	=		=		
Equivalent INR	INR	24869242000	INR	1520515002	INR	4402378502	Refer Annexure - B2 & E (working Sheet)
Quoted Bid Price (P1)	**INR**	**30792135504**					
Cost of withdrwawal of Tech. Deviations	INR	370758406	JPY	0	USD	1070000	
Equivalent INR	INR	370758406	JPY	0	INR	78783513	Refer Annexure - E (working Sheet)
Total Cost of Witdrawal (P4)	INR	449541919					
Evaluated Bid Price	**INR**	**31241677423**	(P1 + P4)				

Dy.EE AEE EE Sr Mgr SE (Contract) DyCE CE(P&P)

N31

Company Name : Larsen & Tourbo Ltd.

Abstract of Main Bid and Supplementary Bid of M/s L&T (Annexure-A3)

Sr. No.	Particulars	Amount in INR	Foreign Currencies 1	Amount in Foreign Currencies 1	Foreign Currencies 2	Amount in Foreign Currencies 2	Excise Duty (In %)	CST (In %)	M VAT (In %)	Exit Tax (In %)	SCh.1S - Suppl. Price Bid: Price (+ / - w.r.t. original price bid) INR	SCh.1S - Suppl. Price Bid: Price (+ / - w.r.t. original price bid) FC1 (USD)	SCh.1S - Suppl. Price Bid: Price (+ / - w.r.t. original price bid) FC2 (JPY)	TOTAL of Main PB & Suppl. PB: Price INR	TOTAL of Main PB & Suppl. PB: Price FC1 (USD)	TOTAL of Main PB & Suppl. PB: Price FC2 (JPY)
	Schedule 1 - Proforma of Break Up of Prices MAIN BID (Price Cover-2)															
1	Supply of Equipment, Mandatory Spares and Materials															
1.1	Supply and Indigenous Equipment and Materials	19234177000	USD	33663000	JPY	1654580000	12.36	2	5	0	2007618000	-33663000	-1654580000	21241795000	0	0
1.2	Supply of Indigenous Mandatory Spares	1771687000	USD	2060000	JPY	410460000	12.36	2	5	0	20335000	-2060000	-410460000	1792022000	0	0
							Basic CD	CVD	Spl.AD	Any other						
1.3	Supply of imported equipment, and materials to be directly delivered to the site on CFR Basis	552300000	USD	14839000	JPY	1092712000	5	12	4	0	1285645000	-14839000	-1092712000	1837945000	0	0
1.4	Supply of Imported Mandatory Spares to be directly delivered to the site on CFR basis	0	USD	3130000	JPY	116990000	5	12	4	0	293794000	-3130000	-116990000	293794000	0	0
							Excise Duty (In %)	CST (In %)	M VAT (In %)	Exit Tax (In						
1 5	Supply of Steel, Cement and other aggregates for Civil, Structural and Architectural Works	3922625000	USD	0	JPY	0	12.36	2	5	0	0	0	0	3922625000	0	0
1.6	Inland Freight for FOR site delivery of 1.1 to 1.5 above including taxes thereon, if any	78941000									0	0	0	78941000	0	0
1.7	Amount of Taxes & Duties on 1.1 to 1.5 for the purpose of ceiling	3248861000									0	0	0	3248861000	0	0
Sr. No.	Particulars	Amount in INR					Service Tax (In %)									
2	Erection, Testing and Commissioning															
2.1	Equipment related design and engineering (except for Civil design and engineering)	0	USD	0	JPY	0	0				0	0	0	0	0	0
2.2	Erection, Testing and Commissioning	2724175000	USD	0	JPY	0	12.36				0	0	0	2724175000	0	0
2.3	Amount of Taxes & duties on 2.1 to 2.2 for the purpose of ceiling in INR	293449000									0	0	0	293449000	0	0
3	Civil Construction, Structural and Architectural Work															
3.1	Civil works related Design engineering	0	USD	0	JPY	0					0	0	0	0	0	0
3.2	Civil Construction, Structural and Architectural Works	3108568000					12.36				0	0	0	3108568000	0	0
3.3	Amount of Taxes & duties on 3.1 to 3.2 for the purpose of ceiling in INR	340960000									0	0	0	340960000	0	0
1 to 3	Grand Total	35275743000	USD	53692000	JPY	3274742000					3607392000	-53692000	-3274742000	38883135000	0	0

Total Quoted Price	INR	38883135000	Refer Annexure-B 3
Discount	INR	1080000000	
Quoted Price with Discount (P1)	**INR**	**37803135000**	

Cost of withdrwawal of Tech. Deviations	INR	318192000	JPY	6704300	
Equivalent INR	INR	318192000	INR	50547070	Refer Annexure - E (working Sheet)
Total Cost of Witdrawal (P4)	INR	368739070			

Evaluated Bid Price	INR	38171874070	(P1 + P4)

Sr Mgr SE (Contract) 30/4 DyCE CE(P&P)

BHUSAWAL 1 X 660 MW PROJECT UNIT NO 6 -EVALUATION SHEET-IDC (P8)

CALCULATIONS FOR INTEREST DURING CONSTRUCTION (Annex -A 1.1)

M/s BHEL

Rate of Interest 13%

	Price (INR Cr.)		28,68,04,61,675			
	Work Completion Period in Months		42			
Month	Months	Cash Outlay as per cash flow offered by bidder	Opening Balance (INR)	Interest (INR)	Interest compounded Quarterly	
Aug-14	1	0	-			
Sep-14	2	1527068597	-		-	
Oct-14	3	327228985.1	1,52,70,68,597	1,65,43,243	1,65,43,243	
Nov-14	4	0	1,87,08,40,825	2,02,67,442		
Dec-14	5	0	1,87,08,40,825	2,02,67,442		
Jan-15	6	1013748585	1,87,08,40,825	2,02,67,442	6,08,02,326	
Feb-15	7	0	2,94,53,91,737	3,19,08,410		
Mar-15	8	0	2,94,53,91,737	3,19,08,410		
Apr-15	9	0	2,94,53,91,737	3,19,08,410	9,57,25,230	
May-15	10	143402308.38	3,04,11,16,967	3,29,45,434		
Jun-15	11	143402308.38	3,18,45,19,275	3,44,98,959		
Jul-15	12	143402308.38	3,32,79,21,583	3,60,52,484	10,34,96,877	
Aug-15	13	143402308.38	3,57,48,20,769	3,87,27,225		
Sep-15	14	143402308.38	3,71,82,23,077	4,02,80,750		
Oct-15	15	143402308.38	3,86,16,25,385	4,18,34,275	12,08,42,250	
Nov-15	16	143402308.38	4,12,58,69,944	4,46,96,924		
Dec-15	17	143402308.38	4,26,92,72,252	4,62,50,449		
Jan-16	18	286804616.75	4,41,26,74,561	4,78,03,974	13,87,51,347	
Feb-16	19	286804616.75	4,83,82,30,524	5,24,14,164		
Mar-16	20	286804616.75	5,12,50,35,141	5,55,21,214		
Apr-16	21	286804616.75	5,41,18,39,758	5,86,28,264	16,65,63,642	
May-16	22	286804616.75	5,86,52,08,017	6,35,39,754		
Jun-16	23	286804616.75	6,15,20,12,633	6,66,46,804		
Jul-16	24	286804616.75	6,43,88,17,250	6,97,53,854	19,99,40,412	
Aug-16	25	516248310.15	6,92,55,62,279	7,50,26,925		
Sep-16	26	516248310.15	7,44,18,10,589	8,06,19,615		
Oct-16	27	516248310.15	7,95,80,58,899	8,62,12,305	24,18,58,845	
Nov-16	28	544928771.83	8,71,61,66,054	9,44,25,132		
Dec-16	29	544928771.83	9,26,10,94,826	10,03,28,527		
Jan-17	30	544928771.83	9,80,60,23,598	10,62,31,922	30,09,85,581	
Feb-17	31	544928771.83	10,65,19,37,951	11,53,95,994		
Mar-17	32	573609233.50	11,19,68,66,723	12,12,99,389		
Apr-17	33	803052926.90	11,77,04,75,956	12,75,13,490	36,42,08,873	
May-17	34	803052926.90	12,93,77,37,756	14,01,58,826		
Jun-17	35	803052926.90	13,74,07,90,683	14,88,58,566		
Jul-17	36	1520064468.78	14,54,38,43,610	15,75,58,306	44,65,75,698	
Aug-17	37	1520064468.78	16,51,04,83,776	17,88,63,574		
Sep-17	38	1720827700.50	18,03,05,48,245	19,53,30,939		
Oct-17	39	1720827700.50	19,75,13,75,946	21,39,73,239	58,81,67,752	
Nov-17	40	1720827700.50	22,06,03,71,398	23,89,87,357		
Dec-17	41	1720827700.50	23,78,11,99,099	25,76,29,657		
Jan-18	42	1720827700.50	25,50,20,26,799	27,62,71,957	77,28,88,971	
Feb-18	43	4302069251.25	27,99,57,43,471	30,32,87,221	30,32,87,221	
			32,60,10,99,943			
	Total Cost	28680461675.00		Total IDC	3,92,06,38,268	
COST + IDC		32,60,10,99,943				

DyEE AEE 30/4 Ex. Engr. Sr. Mgr. 30/4 SE (Contracts) 30/4 CE (P&P)

N35

BHUSAWAL 1 X 660 MW PROJECT UNIT NO 6 -EVALUATION SHEET-IDC (P8)						
CALCULATIONS FOR INTEREST DURING CONSTRUCTION (Annex A2.1)						
TOSHIBA					Rate of Interest	13%
	Price (INR Cr.)		31,24,16,77,423			
	Project Compl. Period in mnths		42			
Month	Months	Cash Outlay based on cash flow offered	Opening Balance (INR)	Interest (INR)	Interest compounded Qtrly	
Aug-14	1	0.00	-			
Sep-14	2	795312582.36	-		-	
Oct-14	3	1385727179.49	79,53,12,582	86,15,886	86,15,886	
Nov-14	4	344350816.24	2,18,96,55,648	2,37,21,270		
Dec-14	5	244005186.07	2,53,40,06,464	2,74,51,737		
Jan-15	6	30607459.04	2,77,80,11,650	3,00,95,126	8,12,68,133	
Feb-15	7	27637801.68	2,88,98,87,242	3,13,07,112		
Mar-15	8	48218647.71	2,91,75,25,044	3,16,06,521		
Apr-15	9	153534398.29	2,96,57,43,692	3,21,28,890	9,50,42,523	
May-15	10	195932565.56	3,21,43,20,613	3,48,21,807		
Jun-15	11	331039836.18	3,41,02,53,178	3,69,44,409		
Jul-15	12	256881985.26	3,74,12,93,015	4,05,30,674	11,22,96,890	
Aug-15	13	418759071.30	4,11,04,71,890	4,45,30,112		
Sep-15	14	519890664.68	4,52,92,30,961	4,90,66,669		
Oct-15	15	530256127.58	5,04,91,21,626	5,46,98,818	14,82,95,599	
Nov-15	16	572987531.33	5,72,76,73,352	6,20,49,795		
Dec-15	17	708404517.33	6,30,06,60,884	6,82,57,160		
Jan-16	18	951668732.73	7,00,90,65,401	7,59,31,542	20,62,38,497	
Feb-16	19	845574267.65	8,16,69,72,631	8,84,75,537		
Mar-16	20	882405085.87	9,01,25,46,898	9,76,35,925		
Apr-16	21	1024675957.57	9,89,49,51,984	10,71,95,313	29,33,06,775	
May-16	22	825502968.54	11,21,29,34,717	12,14,73,459		
Jun-16	23	1096817668.33	12,03,84,37,685	13,04,16,408		
Jul-16	24	1042909346.66	13,13,52,55,354	14,22,98,600	39,41,88,467	
Aug-16	25	1856192703.58	14,57,23,53,167	15,78,67,159		
Sep-16	26	1295640048.12	16,42,85,45,871	17,79,75,914		
Oct-16	27	1049191157.80	17,72,41,85,919	19,20,12,014	52,78,55,087	
Nov-16	28	1209654573.98	19,30,12,32,164	20,90,96,682		
Dec-16	29	521151462.65	20,51,08,86,738	22,22,01,273		
Jan-17	30	508740100.25	21,03,20,38,201	22,78,47,081	65,91,45,036	
Feb-17	31	228056982.68	22,19,99,23,337	24,04,99,169		
Mar-17	32	259639941.21	22,42,79,80,319	24,29,69,787		
Apr-17	33	223662238.43	22,68,76,20,261	24,57,82,553	72,92,51,509	
May-17	34	178630630.85	23,64,05,34,008	25,61,05,785		
Jun-17	35	414455658.35	23,81,91,64,639	25,80,40,950		
Jul-17	36	711057441.40	24,23,36,20,297	26,25,30,887	77,66,77,622	
Aug-17	37	788348934.69	25,72,13,55,361	27,86,48,016		
Sep-17	38	732136177.62	26,50,97,04,295	28,71,88,463		
Oct-17	39	1700402985.78	27,24,18,40,473	29,51,19,938	86,09,56,417	
Nov-17	40	6005374.00	29,80,31,99,876	32,28,67,999		
Dec-17	41	587677098.14	29,80,92,05,250	32,29,33,057		
Jan-18	42	896198207.32	30,39,68,82,348	32,92,99,559	97,51,00,615	
Feb-18	43	4841735308.41	32,26,81,81,170	34,95,71,963	34,95,71,963	
			37,45,94,88,442			
	Total Cost	31241677422.68		Total IDC	6,21,78,11,019	
COST + IDC		37,45,94,88,442				

DyEE AEE Ex. Engr. Sr. Mgr. SE (Contracts) CE (P&P)

N-37

BHUSAWAL 1 X 660 MW PROJECT UNIT NO 6 -EVALUATION SHEET-IDC (P8)						
CALCULATIONS FOR INTEREST DURING CONSTRUCTION(Annex A3.1)						
L&T					Rate of Interest	13%
	Price (INR Cr.)		38,17,18,74,070			
	Project Compl. Period in mnths		44			
Month	Months	Cash Outlay as per Cash flow offered	Opening Balance (INR)	Interest (INR)	Interest compounded Qtrly	
Aug-14	1	0.00	-			
Sep-14	2	0.00	-		-	
Oct-14	3	1865229725.24	-	-	-	
Nov-14	4	2759622.40	1,86,52,29,725	2,02,06,655		
Dec-14	5	12195032.60	1,86,79,89,348	2,02,36,551		
Jan-15	6	18809978.10	1,88,01,84,380	2,03,68,664	6,08,11,870	
Feb-15	7	1400405791.20	1,95,98,06,228	2,12,31,234		
Mar-15	8	30375947.40	3,36,02,12,020	3,64,02,297		
Apr-15	9	52128074.80	3,39,05,87,967	3,67,31,370	9,43,64,901	
May-15	10	115314740.20	3,53,70,80,943	3,83,18,377		
Jun-15	11	232263033.90	3,65,23,95,683	3,95,67,620		
Jul-15	12	266090654.50	3,88,46,58,717	4,20,83,803	11,99,69,800	
Aug-15	13	307666277.60	4,27,07,19,171	4,62,66,124		
Sep-15	14	310403213.50	4,57,83,85,449	4,95,99,176		
Oct-15	15	452982009.70	4,88,87,88,662	5,29,61,877	14,88,27,177	
Nov-15	16	520937172.00	5,49,05,97,849	5,94,81,477		
Dec-15	17	419080191.60	6,01,15,35,021	6,51,24,963		
Jan-16	18	565670425.00	6,43,06,15,213	6,96,64,998	19,42,71,438	
Feb-16	19	516669444.40	7,19,05,57,076	7,78,97,702		
Mar-16	20	929221765.50	7,70,72,26,520	8,34,94,954		
Apr-16	21	1143896063.00	8,63,64,48,286	9,35,61,523	25,49,54,179	
May-16	22	844640276.30	10,03,52,98,528	10,87,15,734		
Jun-16	23	845650737.00	10,87,99,38,804	11,78,66,004		
Jul-16	24	827317868.40	11,72,55,89,541	12,70,27,220	35,36,08,958	
Aug-16	25	968462050.10	12,90,65,16,367	13,98,20,594		
Sep-16	26	932428662.20	13,87,49,78,417	15,03,12,266		
Oct-16	27	1748052155.70	14,80,74,07,080	16,04,13,577	45,05,46,437	
Nov-16	28	1845864311.20	17,00,60,05,672	18,42,31,728		
Dec-16	29	1664768294.60	18,85,18,69,984	20,42,28,591		
Jan-17	30	1347512170.37	20,51,66,38,278	22,22,63,581	61,07,23,900	
Feb-17	31	1341977055.80	22,47,48,74,349	24,34,77,805		
Mar-17	32	1279317436.10	23,81,68,51,404	25,80,15,890		
Apr-17	33	910220574.40	25,09,61,68,840	27,18,75,162	77,33,68,857	
May-17	34	891929185.00	26,77,97,58,272	29,01,14,048		
Jun-17	35	726560650.00	27,67,16,87,457	29,97,76,614		
Jul-17	36	616988118.90	28,39,82,48,107	30,76,47,688	89,75,38,350	
Aug-17	37	579324234.40	29,91,27,74,576	32,40,55,058		
Sep-17	38	542330892.40	30,49,20,98,810	33,03,31,070		
Oct-17	39	584448561.83	31,03,44,29,703	33,62,06,322	99,05,92,450	
Nov-17	40	275227024.20	32,60,94,70,714	35,32,69,266		
Dec-17	41	654787977.94	32,88,46,97,739	35,62,50,892		
Jan-18	42	3416525913.87	33,53,94,85,716	36,33,44,429	1,07,28,64,587	
Feb-18	43	2443307616.63	38,02,88,76,217	41,19,79,492		
Mar-18	44	263987779.10	40,47,21,83,834	43,84,48,658		
Apr-18	45	3458145360.77	40,73,61,71,613	44,13,08,526	1,29,17,36,676	
			45,48,60,53,650		-	
	Total Cost	38,17,18,74,070		Total IDC	7,31,41,79,580	
	COST + IDC	45,48,60,53,650				

DyEE AEE Ex. Engr. Sr. Mgr. 30/4 SE (Contracts) 30/4 CE (P&P)

1 x 660 MW Bhusawal TPS Unit 6 Project- Bid Evaluation(Annexure-B1)

SCHEDULE – 1A S

PROJECTED CASH FLOW - M/s BHEL

(The projected cash flow submitted here with considering the Inputs as per Schedule – 6A and the offered Work Completion Schedule i.e. Schedule – 6 S)

	Month	Projected cash flow (%)				
		Supply	Erection	Civil	Total	Amount
		INR	INR	INR	INR	
Aug-14	1					
Sep-14	2	7.00				1527068597
Oct-14	3	1.50				327228985.1
Nov-14	4					
Dec-14	5					
Jan-15	6	1.50	10.00	10.00		1013748585
Feb-15	7	total payment for any month shall be limited to figure indicated for corresponding month in column right. The corresponding break up of this figure into supply, Erection & Civil heads shall be provided during the post award stage.				
Mar-15	8					
Apr-15	9					
May-15	10				0.50	143402308.38
Jun-15	11				0.50	143402308.38
Jul-15	12				0.50	143402308.38
Aug-15	13				0.50	143402308.38
Sep-15	14				0.50	143402308.38
Oct-15	15				0.50	143402308.38
Nov-15	16				0.50	143402308.38
Dec-15	17				0.50	143402308.38
Jan-16	18				1.00	286804616.75
Feb-16	19				1.00	286804616.75
Mar-16	20				1.00	286804616.75
Apr-16	21				1.00	286804616.75
May-16	22				1.00	286804616.75
Jun-16	23				1.00	286804616.75
Jul-16	24				1.00	286804616.75
Aug-16	25				1.80	516248310.15
Sep-16	26				1.80	516248310.15
Oct-16	27				1.80	516248310.15
Nov-16	28				1.90	544928771.83
Dec-16	29				1.90	544928771.83
Jan-17	30				1.90	544928771.83
Feb-17	31				1.90	544928771.83
Mar-17	32				2.00	573609233.50
Apr-17	33				2.80	803052926.90
May-17	34				2.80	803052926.90
Jun-17	35				2.80	803052926.90
Jul-17	36				5.30	1520064468.78
Aug-17	37				5.30	1520064468.78
Sep-17	38				6.00	1720827700.50
Oct-17	39				6.00	1720827700.50
Nov-17	40				6.00	1720827700.50
Dec-17	41				6.00	1720827700.50
Jan-18	42				6.00	1720827700.50
Feb-18	43				15.00	4302069251.25
		100.00	100.00	100.00		
					100%	28680461675.00

Main Bid Supply (Sr.No.1.1 to 1.6)	Taxes &Duties (Sr. No. 1.7)	Main Bid Erect (Sr.No.2.1 to 2.2)	Taxes &Duties (Sr.No.2.3)	Main Bid Civil (sr.No.3.1 to3.2)	Taxes &Duties (Sr.No.3.3)	*Supplementary Bid_supply (Sr.No.1.1 to 1.6)*	*Taxes &Duties (Sr No.1.7)*	*Supplementary Bid_Erection (Sr. No. 2.1 to 2.2)*	*Taxes &Duties (Sr no. 2.3)*	*Supplementary Bid_Civil (Sr no. 3.1 to 3.2)*	*Taxes &Duties (Sr no. 3.3)*	*Cost of Withdrawal (Scheduel 17)*	Discount if
19025867993	2774104008	2230000000	275628000	4000000000	494400000	-524621289	-300480037	-20000000	-2472000	-100000000	-12360000	840395000	

BID PRICE

Supply Net	Supply net T&D	Erect net	Erect net T&D	Civil net	Civil net T&D
19341641704	2473623971	2210000000	273156000	3900000000	482040000
Supply net total	21815265675	Erect net total	2483156000	Civil netbtotal	4382040000
TOTAL BHEL	28680461675				

DY EE (P&P) AD EE (P&P) EXECUTIVE ENGR(P&P) SR MANAGER (P&P) SUPTDG ENGR (P&P) I/C DY CE (P&P) CE (P&P)

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SCHEDULE - 1A S

PROJECTED CASH FLOW - M/s TOSHIBA

(The projected cash flow submitted here with considering the Inputs as per Schedule – 6A and the offered Work Completion Schedule i.e. Schedule – 6 S)

The conversion of FCs into INR have been done as per Future Contract Rate as on Record Date conveyed by SBI & communicated to all Bidders as per letter dt.21.09.2014. The cost of withdrawal is added to quoted prices for working out Bid Price & equivqlent INR as per Cl. No.31.5, Sec.1, Vol.I

Sr.no.	Month	Projected cash flow					Cash flow amount in INR							
		Supply			Erection	Civil	JPY-100 = Rs: Supply					Erect	Civil	Total in INR
		INR	JPY	USD	INR	INR	INR	JPY rate	JPY to INR	USD rate	USD to INR	INR	INR	
Aug-14	1	0.00	0.00	0.00	0.00	0.00	0	61.61	0	64.79	0	0.00	0	0.00
Sep-14	2	1.90	0.70	5.80	5.20	0.00	401792770.5	61.97	8901513.951	65.15	229975460.7	156139724.00	0	796809469.10
Oct-14	3	5.00	5.9	2.30	3.00	6.40	1057349396	62.42	75571860.92	65.61	91841512.27	90080610.00	74822976	1389666355.11
Nov-14	4	1.20	1.20	1.20	0.50	1.10	253763855	62.80	15464120.69	65.99	48194608.68	15013435.00	12860199	345296218.39
Dec-14	5	0.90	1.10	0.20	0.60	1.20	190322891.3	63.20	14265733.42	66.38	8080183.001	18016122.00	14029308	244714237.68
Jan-15	6	0.10	0.10	0.10	0.10	0.10	21146987.92	63.58	1304682.581	66.76	4062776.055	3002687.00	1169109	30686242.55
Feb-15	7	0.10	0.10	0.10	0.00	0.10	21146987.92	64.00	1313301.12	67.16	4087187.152	0.00	1169109	27716585.19
Mar-15	8	0.10	0.10	0.60	0.00	0.10	21146987.92	64.40	1321509.252	67.53	24659825.06	0.00	1169109	48297431.23
Apr-15	9	0.50	0.20	1.00	0.10	0.10	105734939.6	64.85	2661486.801	67.96	41360093.46	3002687.00	1169109	153928315.85
May-15	10	0.70	0.20	1.00	0.10	0.10	148028915.4	65.28	2679134.285	68.36	41604204.43	3002687.00	1169109	196484050.14
Jun-15	11	1.20	0.80	1.20	0.30	0.70	253763855	65.74	10792051.95	68.79	50237507.36	9008061.00	8183763	331985238.33
Jul-15	12	0.90	0.40	1.10	0.40	0.30	190322891.3	66.16	5430500.131	69.19	46319570.48	12010748.00	3507327	257591036.88
Aug-15	13	1.50	1.10	1.20	0.80	1.10	317204818.8	66.59	15030936.52	69.59	50823373.68	24021496.00	12860199	419940823.98
Sep-15	14	1.70	1.10	2.70	0.70	0.90	359498794.6	67.05	15134769.39	70.02	115055630.4	21018809.00	10521981	521229984.39
Oct-15	15	1.40	0.90	4.60	0.70	0.40	296057830.9	67.48	12162406.82	70.42	197143614.1	21018809.00	4676436	531359096.75
Nov-15	16	1.40	1.10	5.50	0.70	0.40	296057830.9	67.89	15324377.24	70.81	237013047.4	21018809.00	4676436	574090500.50
Dec-15	17	1.90	1.60	5.60	1.00	1.10	401792770.5	68.35	22441032.89	71.23	242780531.7	30026870.00	12860199	709901404.07
Jan-16	18	2.70	2.80	5.00	3.20	2.50	570968673.8	68.79	39524618.02	71.64	217988886.8	96085984.00	29227725	953795887.57
Feb-16	19	2.30	2.30	4.90	3.00	2.00	486380722.1	69.28	32697914.64	72.04	214844861.7	90080610.00	23382180	847386288.44
Mar-16	20	2.40	2.50	5.00	3.20	2.10	507527710	69.74	35777195.36	72.41	220353711.8	96085984.00	24551289	884295890.17
Apr-16	21	3.10	3.00	4.30	3.50	2.80	655556625.5	70.22	43228127.18	72.79	190504396.8	105094045.00	32735052	1027118246.46
May-16	22	2.60	2.40	2.60	3.30	2.40	549821685.9	70.68	34809046.19	73.16	115773320.8	99088671.00	28058616	827551339.87
Jun-16	23	3.60	3.60	2.80	3.90	3.70	761291565.1	71.21	52605097.17	73.58	125395386.5	117104793.00	43257033	1099653874.78
Jul-16	24	3.40	3.40	2.70	3.80	3.50	718997589.2	71.70	50024460.47	73.97	121545015.4	114102106.00	40918815	1045587986.08
Aug-16	25	6.30	7.20	3.40	5.90	7.80	1332260239	72.20	106672883.5	74.36	153873907.5	177158533.00	91190502	1861156064.87
Sep-16	26	4.40	4.90	1.90	4.90	5.30	930467468.4	72.70	73099571.56	74.76	86445042.69	147131663.00	61962777	1299106522.67
Oct-16	27	3.50	3.80	1.70	4.30	4.10	740144577.1	73.15	57040361.3	75.11	77714632.29	129115541.00	47933469	1051948580.74
Nov-16	28	4.10	4.60	1.80	4.50	5.00	867026504.7	73.68	69549144.06	75.52	82732684.27	135120915.00	58455450	1212884697.99
Dec-16	29	1.60	1.50	1.20	2.90	1.60	338351806.7	74.18	22832971.19	75.92	55443553.96	87077923.00	18705744	522411998.85
Jan-17	30	1.70	1.40	1.20	1.90	1.40	359498794.6	74.66	21448669.73	76.29	55713376.62	57051053.00	16367526	510079419.96
Feb-17	31	0.80	0.70	0.20	1.00	0.80	169175903.3	75.20	10801901.71	76.65	9329703.715	30026870.00	9352872	228687250.78
Mar-17	32	0.90	0.80	0.30	1.10	0.90	190322891.3	75.68	12423828.6	76.96	14050734.96	33029557.00	10521981	260348992.82
Apr-17	33	0.80	0.70	0.10	1.00	0.80	169175903.3	76.68	11014492.33	77.59	4722368.847	30026870.00	9352872	224292506.53
May-17	34	0.60	0.70	0.10	0.90	0.80	126881927.5	77.27	11099241.29	77.97	4745108.121	27024183.00	9352872	179103331.93
Jun-17	35	1.30	1.30	1.10	1.70	1.40	274910842.9	77.77	20746258.83	78.29	52409537.24	51045679.00	16367526	415479844.01
Jul-17	36	2.50	3.10	0.60	2.20	3.40	528674698	78.33	49828080.92	78.64	28715430.33	66059114.00	39749706	713027029.21
Aug-17	37	2.10	1.50	4.30	3.40	1.10	444086746.3	78.88	21279654.46	78.98	206685430.7	102091358.00	12860199	790003388.45
Sep-17	38	2.20	2.00	2.80	2.70	1.70	465233734.2	79.38	32578075.91	79.29	135110202.8	81072549.00	19874853	733869414.90
Oct-17	39	6.10	7.50	1.40	4.20	8.40	1289966263	79.96	123060419	79.65	67864088.01	126112854.00	98205156	1705208780.05
Nov-17	40	0.00	0.00	0.00	0.20	0.00	0	80.50	0	79.98	0	6005374.00	0	6005374.00
Dec-17	41	1.40	0.50	4.10	2.80	0.00	296057830.9	81.01	8311759.667	80.29	200335240.8	84075236.00	0	588780067.31
Jan-18	42	3.20	3.90	0.70	2.40	4.30	676703613.4	81.63	65327906.98	80.63	34351584.35	72064488.00	50271687	898719279.72
Feb-18	43	15.90	17.30	11.60	13.90	18.10	3362371079	82.15	291633903.9	80.92	571274681.9	417373493.00	211608729	4854261886.90
Total		100.00	100.00	100.00	100.00	100.00	21146987918.52		1520515001.93		4481162015	3002687000.00	1169109000	31320460935.20
							TOTAL Toshiba in INR	31320460935.20						

	Main Bid_Supply (Sr.No. 1.1 to 1.6)			Taxes &Duties (Sr.No.1.7)	Main Bid_Erect (Sr.No.2.1 to 2.2)	Taxes &Duties (sr.no.2.3)	Main Bid_ Civil (sr.no.3.1to 3.2)	Taxes &Duties (Sr.No.3.3)	*Supplementary Bid_supply (Sr.No. 1.1 to 1.6)*			*Taxes &Duties (Sr no.1.7)*	*Supplementary Bid_Erection (Sr.No.2.1 to 2.2)*	*Taxes &Duties (Sr No.2.3)*	*Supplementary Bid_Civil (Sr.no.3.1 to 3.2)*	*Taxes &Duties (Sr No.3.3)*	Cost of Withdrawal (Scheduel 11)		Discount if
	INR	USD	JPY						*INR*	*USD*	*JPY*						INR	USD	
	18946979000	70487000	2054033000	3404506000	2691736000	346868000	1188863000	145384000	-1378426000	-10696000	-2000000	-275613000	-33806000	-2111000	-147612000	-17526000	370758406	1070000	

BID PRICE

Supply Net INR	21146987918.52	Erect Net	3002687000
Supply net JPY	2052033000	Civil Net	1169109000
Supply net USD	-60861000		

78783512.52

TOTAL TOSHIBA	31320460935.20 INR

DY EE (P&P) AD EE (P&P) 30/1/2014 EXECUTIVE ENGR(P&P) SR. MANAGER (P&P) 30/1/14 SUPTDG ENGR (P&P) I/C 30/1/14 DY CE (P&P) CE (P&P)

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SCHEDULE – 1A S

PROJECTED CASH FLOW _ M/s Larson & Toubro Ltd.

(The projected cash flow submitted here with considering the Inputs as per Schedule – 6A and the offered Work Completion Schedule i.e. Schedule – 6 S)

The conversion of FCs into INR have been done as per Future Contract Rate as on Record Date conveyed by SBI & communicated to all Bidders as per letter dt.21.09.2014. The cost of withdrawal is added to quoted prices for working out Bid Price & equivqlent INR as per Cl. No.31.5, Sec.1, Vol.I

	Month	Projected cash flow				Cash flow amount in INR					
		Supply		Erection	Civil						
		INR	JPY	INR	INR	JPY rate	Supply _JPY to INR	Supply_INR	Erect in INR	Civil in INR	Total in INR
Aug-14	1	0.00	0.00	0.00	0.00	61.61	0.00	0.00	0.00	0.00	0.00
Sep-14	2	0.00	0.00	0.00	0.00	61.97	0.00	0.00	0.00	0.00	0.00
Oct-14	3	5.88	7.00	0.00	0.03	62.42	2929376.84	1861265490.00	0.00	1034858.40	1865229725.24
Nov-14	4	0.00	0.00	0.00	0.08	62.80	0.00	0.00	0.00	2759622.40	2759622.40
Dec-14	5	0.02	0.00	0.00	0.17	63.20	0.00	6330835.00	0.00	5864197.60	12195032.60
Jan-15	6	0.03	0.00	0.00	0.27	63.58	0.00	9496252.50	0.00	9313725.60	18809978.10
Feb-15	7	2.56	3.00	8.80	9.37	64.00	1287225.60	810346880.00	265550912.00	323220773.60	1400405791.20
Mar-15	8	0.06	0.00	0.00	0.33	64.40	0.00	18992505.00	0.00	11383442.40	30375947.40
Apr-15	9	0.12	0.00	0.00	0.41	64.85	0.00	37985010.00	0.00	14143064.80	52128074.80
May-15	10	0.30	0.00	0.00	0.59	65.28	0.00	94962525.00	0.00	20352215.20	115314740.20
Jun-15	11	0.53	0.00	1.44	0.61	65.74	0.00	167767127.50	43453785.60	21042120.80	232263033.90
Jul-15	12	0.71	0.00	0.73	0.56	66.16	0.00	224744642.50	22028655.20	19317356.80	266090654.50
Aug-15	13	0.72	0.00	1.98	0.58	66.59	0.00	227910060.00	59748955.20	20007262.40	307666277.60
Sep-15	14	0.73	0.00	1.60	0.90	67.05	0.00	231075477.50	48281984.00	31045752.00	310403213.50
Oct-15	15	1.11	0.00	1.55	1.59	67.48	0.00	351361342.50	46773172.00	54847495.20	452982009.70
Nov-15	16	1.28	0.00	1.55	2.00	67.89	0.00	405173440.00	46773172.00	68990560.00	520937172.00
Dec-15	17	0.84	0.00	2.39	2.35	68.35	0.00	265895070.00	72121213.60	81063908.00	419080191.60
Jan-16	18	1.34	0.00	1.74	2.58	68.79	0.00	424165945.00	52506657.60	88997822.40	565670425.00
Feb-16	19	1.16	0.00	1.81	2.75	69.28	0.00	367188430.00	54618994.40	94862020.00	516669444.40
Mar-16	20	2.49	0.00	1.37	2.89	69.74	0.00	788188957.50	41341448.80	99691359.20	929221765.50
Apr-16	21	3.14	0.00	1.86	2.72	70.22	0.00	993941095.00	56127806.40	93827161.60	1143896063.00
May-16	22	2.21	0.00	1.79	2.64	70.68	0.00	699557267.50	54015469.60	91067539.20	844640276.30
Jun-16	23	2.22	0.00	1.65	2.70	71.21	0.00	702722685.00	49790796.00	93137256.00	845650737.00
Jul-16	24	2.12	0.00	2.00	2.78	71.70	0.00	671068510.00	60352480.00	95896878.40	827317868.40
Aug-16	25	2.59	0.00	1.77	2.76	72.20	0.00	819843132.50	53411944.80	95206972.80	968462050.10
Sep-16	26	2.50	0.00	1.60	2.69	72.70	0.00	791354375.00	48281984.00	92792303.20	932428662.20
Oct-16	27	5.07	0.00	1.83	2.55	73.15	0.00	1604866672.50	55222519.20	87962964.00	1748052155.70
Nov-16	28	5.28	0.00	3.12	2.33	73.68	0.00	1671340440.00	94149868.80	80374002.40	1845864311.20
Dec-16	29	4.70	0.00	3.50	2.07	74.18	0.00	1487746225.00	105616840.00	71405229.60	1664768294.60
Jan-17	30	3.67	65.00	2.77	2.02	74.66	32535297.47	1161708222.50	83588184.80	69680465.60	1347512170.37
Feb-17	31	3.70	0.00	3.11	2.23	75.20	0.00	1171204475.00	93848106.40	76924474.40	1341977055.80
Mar-17	32	3.43	0.00	3.58	2.48	75.68	0.00	1085738202.50	108030939.20	85548294.40	1279317436.10
Apr-17	33	2.24	0.00	3.74	2.56	76.68	0.00	709053520.00	112859137.60	88307916.80	910220574.40
May-17	34	2.14	0.00	4.32	2.44	77.27	0.00	677399345.00	130361356.80	84168483.20	891929185.00
Jun-17	35	1.72	0.00	3.68	2.06	77.77	0.00	544451810.00	111048563.20	71060276.80	726560650.00
Jul-17	36	1.47	0.00	2.98	1.79	78.33	0.00	465316372.50	89925195.20	61746551.20	616988118.90
Aug-17	37	1.36	0.00	2.76	1.90	78.88	0.00	430496780.00	83286422.40	65541032.00	579324234.40
Sep-17	38	1.24	0.00	2.77	1.92	79.38	0.00	392511770.00	83588184.80	66230937.60	542330892.40
Oct-17	39	1.32	1.00	2.44	2.68	79.96	536075.83	417835110.00	73630025.60	92447350.40	584448561.83
Nov-17	40	0.54	0.00	1.49	1.72	80.50	0.00	170932545.00	44962597.60	59331881.60	275227024.20
Dec-17	41	1.66	1.00	1.57	2.36	81.01	543115.34	525459305.00	47376696.80	81408860.80	654787977.94
Jan-18	42	9.18	8.00	7.45	8.16	81.63	4378176.07	2905853265.00	224812988.00	281481484.80	3416525913.87
Feb-18	43	6.74	5.00	4.46	5.00	82.15	2753791.23	2133491395.00	134586030.40	172476400.00	2443307616.63
Mar-18	44	0.81	0.00	0.00	0.22	82.66	0.00	256398817.50	0.00	7588961.60	263987779.10
Apr-18	45	9.07	10.00	8.80	9.16	83.29	5584011.47	2871033672.50	265550912.00	315976764.80	3458145360.77
Total		100.00	100.00	100.00	100.00		50547069.85	31654175000.00	3017624000.00	3449528000.00	38171874069.85
						Total	38171874069.85				

Main Supply (Sr.No. 1.1 to 1.6)			Taxes &Duties (Sr.no.1.7)	Main Erect (Sr.no.2.1 to 2.2)	Taxes &Duties (Sr.No.2.3)	Main Civil (Sr.No.3.1 to 3.2)	Taxes &Duties (Sr.no.3.3)	*Supplementary supply (Sr.No. 1.1 to 1.6)*			*Taxes &Duties (sr.no.1.7)*	*Supplementary Erection (sr.No.2.1 to 2.2)*	*Taxes &Duties (sr.No.2.3)*	*Supplementary Civil (Sr.no. 3.1 to 3.2)*	*Taxes &Duties (sr No.3.3)*	Cost of Withdrawal - Tech. Deviations (Schedjel 11)		Discount if any
INR	USD	JPY	INR	INR	INR	INR	INR	*INR*	*USD*	*JPY*	*INR*	*INR*	*INR*	*INR*	*INR*	INR	JPY	INR
25559730000	53692000	3274742000	3248861000	2724175000	293449000	3108568000	340960000	*3607392000*	*-53692000*	*-3274742000*	*0*	*0*	*0*	*0*	*0*	318192000	67043000	-1080000000

BID PRICE					
Supply Net INR	31654175000	31654175000	Erect Net INR	3017624000	Civil net INR	3449528000
Supply net JPY	67043000	50547069.85				
Supply net USD	0					
Supply net in INR		31704722070				

TOTAL L&T	38171874070

30/4 30/4 30/4

DY EE (P&P) AD EE (P&P) EXECUTIVE ENGR(P&P) SR MANAGER (P&P) SUPTDG ENGR (P&P) I/C DY CE (P&P) CE (P&P)

Calculation of evaluated Price for Bhuawal 1x660 MW Project Unit 6
Annexure-C

Clause No.31.6 Section 1 Volume I

P 2	Loading on account of Completion Period (P2) - Volume I Section 1 Clause 19.1							
		Duration offered (Considering the lowest as base) for completion of the project as envisaged under clause No.30.1 Section 2 of Bid specification					INR 3600000 per day	
		Bidder	period offered in months	Base months	difference in duration (months)	Duration in days	Rate per day in excess of base days	Evaluated Price(P2) (INR)
	1	M/s BHEL	42	42	0	0	3600000	0
	2	M/s L&T	45	42	3	90	3600000	324000000
	3	M/s TOSHIBA	42	42	0	0	3600000	0

P 3	Loading on account of deficiency in scope (P3)							
		Bidder	deficiency in scope					Evaluated Price(P3) (INR)
	1	M/s BHEL	Nil					0
	2	M/s L&T	Nil					0
	3	M/s TOSHIBA	Nil					0

P 4	Loading on account of withdrawal of technical deviations & deviations (P4) - Volume 1 Section 1 Clause 31.1.3								
		Bidder	cost of withdrawal of deviations			cost of withdrawal of deviations in INR			TOTAL IN INR(P4)
			INR	JPY	USD	INR	JPY	USD	
	1	M/s BHEL	840395000			840395000			840395000
	2	M/s L&T	318192000	67043000		318192000	50547069.3500		368739069.9
	3	M/s TOSHIBA	370758406		1070000	370758406	0	78783512.52	449541918.5

P 5	Loading on account of deficiency in Performance (P5) - Volume 1 Section 1 Clause 19.1						
2.2		Heat Rate: Increase in weighted average turbine cycle heat rate in Kcal/Kwh(refer Clause No.1.2.3 Section 8 Vol II) as compared to the lowest quoted in weighted avearge against this bid.					INR 40000000 per Kcal/Kwh
		Bidder	Heat Rate offered kCal/kWh	Base Heat rate kCal/kWh	diffrence in Heat rate	Rate per day in excess of base heat rate	Evaluated Price (INR)
	1	M/s BHEL	1813.10	1812.34	0.76	40000000	30400000
	2	M/s L&T	1812.34	1812.34	0	40000000	0
	3	M/s TOSHIBA	1816.30	1812.34	3.96	40000000	158400000

2.3		Deficiency in Steam Generator Efficiency - Volume 1 Section 1 Clause 19.1					
		Efficiency shortfall of steam Generator (considering highest quoted efficiency as base) in % at 100% TMCR at rated conditions.					INR 100000000 per 0.1% drop
		Bidder	Efficiency Offered	Base Efficiency	diffrence in Efficiency (drop)	Rate per 0.1% drop than base efficiency	Evaluated Price (INR)
	1	M/s BHEL	89.00	89.00	0.00	100000000	0
	2	M/s L&T	88.30	89.00	0.70	100000000	70000000
	3	M/s TOSHIBA	88.51	89.00	0.49	100000000	49000000

2.4		Auxilary Power Consumption - Volume I Section 1 Clause 19.1					
		Total power consumption of all the auxilliaries (as listed under clause 6.3 section 3 volume 1) at 660 MW load with zero make up, 76 mmof Hg or lower guaranteed/design back pressure and 100% unit load (considering lowest quoted auxilliary power consumption as base)					INR 300000 per kW
		Bidder	Aux Power Consumption offred Kw @100%TMCR	Base Figure	diffrence inAux Power consumption+	Rate per kw drop in Aux power consm	Evaluated Price (INR)
	1	M/s BHEL	26977.00	26977.00	0.00	300000	0
	2	M/s L&T	29907.00	26977.00	2930.00	300000	879000000
	3	M/s TOSHIBA	29896.00	26977.00	2919.00	300000	875700000

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DyEE AEE EE SE (Contract) Dy CE CE (P&P)

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Calculation of evaluated Price for Bhuawal 1x660 MW Project Unit 6
Annexure-C

Clause No.31.6 Section 1 Volume I

2.5		Suspended Particulaten Matter (SPM) - Volume I Section 1 Clause 19.1 for increase of every 5mg/nm3 in Suspended Particulaten Matter (SPM) level (considering lowest quoted SPM as base) Bids with SPM level more than 50mg/Nm3 shall be rejected outright.					INR 22500000 per 5mg/Nm3
		Bidder	SPM offered	Base SPM	diffrence in SPM	Rate per 5 mg/Nm3 rise than base SPM	Evaluated Price (INR)
	1	M/s BHEL	45.00	27.00	18.00	22500000	81000000
	2	M/s L&T	50.00	27.00	23.00	22500000	103500000
	3	M/s TOSHIBA	27.00	27.00	0.00	22500000	0

		Summary of P 5					
		Sr.No.	2.2	2.3	2.4	2.5	Total P 5
	1	M/s BHEL	30400000	0	0	81000000	111400000
	2	M/s L&T	0	70000000	879000000	103500000	1052500000
	3	M/s TOSHIBA	158400000	49000000	875700000	0	1083100000

P 6	Loading on account of commercial deviations (P6) - Vol.I, Sec.1, Cl. No.31.1.3						
		Bidder	commercial deviations				Evaluated Price(P6) (INR)
	1	M/s BHEL	Nil				0
	2	M/s L&T	Nil				0
	3	M/s TOSHIBA	Nil				0

P 7	~~Loading on account of price preference to deomestic manufacturer.(P7)~~	

P 8	Interest During Construction(IDC) worked out as stipulated under clause 31.1.6 ,Section 1 Vol-1 (P8)						
		Bidder	IDC worked out				Evaluated Price(P8) (INR)
	1	M/s BHEL	3,92,06,38,268				3,92,06,38,268
	2	M/s L&T	7,31,41,79,580				7,31,41,79,580
	3	M/s TOSHIBA	6,21,78,11,019				6,21,78,11,019

DyEE AEE 30/4 EE Dy Mgr 30/4 SE (Contract) 30/4 Dy CE CE (PP)

Bhusawal 1 x 660 MW Unit - 6
Estimated Project Cost / Investment Plan
WORKING SHEET for Annex D

Amt. in Rs. Crs.

Particulars	Amt. in INR	Month	% Drawal (BHEL)	Amt. of Drawal (BHEL)	Amt. of Drawal (Other works)	Amt. of Drawal (Est. + Cont.)	Qtly Drawal (Total) Rs. Crs.	
Supply of Equpt & Mand. Spares	18081246704	1		0.00	40.00	5.36		July.2015
Erection, Testing & Commissioning	2210000000	2	7.00	200.76	16.00	5.36		Aug.
Civil, Arch & Constr.	3900000000	3	1.50	43.02		5.36	315.86	Sept.
Cost of Withdrawal of Tech Deviations	840395000	4		0.00		5.36		Oct.
Inland Transportation	420000000	5		0.00		5.36		Nov.
Taxes & Duties	3228819971	6	1.50	43.02	7.00	5.36	66.10	Dec.2015
Est. Contract Price	**28680461675**	7		0.00		5.36		Jan.2016
Price Variation @20% of 1 to 4	5006328341	8		0.00	4.00	5.36		Feb
		9		0.00		5.36	20.08	Mar.2016
BHEL EPC Scope	**33686790016**	10	0.50	17.12		5.36		Apr
		11	0.50	17.12		5.36		May
Other works not covered in EPC	1770000000	12	0.50	17.12		5.36	67.44	Jun
	35456790016	13	0.50	17.12		5.36		Jul.
Establishment @2.5% @Rs.1.75 Cr/Mnth	886419750	14	0.50	17.12		5.36		Aug.
Contigencies @ 4% incl. cost of fuel oil during comm.	1418271601	15	0.50	17.12		5.36	67.44	Sept
HARD COST	**37761481367**	16	0.50	17.12		5.36		Oct.
Hard Cost (Say Rs. Crs.)	**3776.15**	17	0.50	17.12	3.00	5.36		Nov.
		18	1.00	34.24	3.00	5.36	90.56	Dec.2016
IDC (Rs. Crs.)	**452.56**	19	1.00	34.24	3.00	5.36		Jan.2017
Estimated Project cost Rs. Crs.	**4228.71**	20	1.00	34.24	3.00	5.36		Feb.
		21	1.00	34.24	3.00	5.36	127.81	Mar.2017
		22	1.00	34.24	3.00	5.36		Apr
		23	1.00	34.24	3.00	5.36		May
		24	1.00	34.24	3.00	5.36	127.81	Jun
		25	1.80	61.64	3.00	5.36		Jul.
		26	1.80	61.64	3.00	5.36		Aug.
		27	1.80	61.64	3.00	5.36	209.99	Sept
		28	1.90	65.06	3.00	5.36		Oct.
		29	1.90	65.06	3.00	5.36		Nov.
		30	1.90	65.06	5.50	5.36	222.76	Dec.2017
		31	1.90	65.06	5.50	5.36		Jan.2018
		32	2.00	68.49	5.50	5.36		Feb.
		33	2.80	95.88	5.50	5.36	262.00	Mar.2018
		34	2.80	95.88	5.50	5.36		Apr
		35	2.80	95.88	5.50	5.36		May
		36	5.30	181.49	5.50	5.36	405.82	Jun
		37	5.30	181.49	5.50	5.36		Jul.
		38	6.00	205.46	5.50	5.36		Aug.
		39	6.00	205.46	5.50	5.36	624.98	Sept
		40	6.00	205.46	3.00	5.36		Oct.
		41	6.00	205.46	13.00	5.36		Nov.
		42	6.00	205.46		5.36	648.45	Dec.2018
		43	15.00	513.64		5.36		Jan.2019
		44					519.00	Feb
		45						Mar.2019
		Total Drawal		3368.63	177.00	230.47	**3776.10**	

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DyEE AEE EE Sr Mgr SE (Contrct) DyCE CE(PP)

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MAHAGENCO

Annexure-D
1x660 MW Bhusawal TPS
ESTIMATED PROJECT COST

Phasing of Expenditure & IDC Calculation
(All Figures in Rs. Crs)

Project Cost without IDC			3776.15	Crores
Project Completion Period			42	months
Debt(%)			80%	
Debt (including IDC)			3382.93	Crores
Equity(%)			20%	
Equity			845.73	Crores
Project Cost including IDC			4228.66	Crores
Rate of Interest			13.00%	
No. of Installment/year			4	

IDC 452.56 Crores 10.70%
FC 0.00

Quarterly Installment		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Phased Expenditure		315.86	66.10	20.08	67.44	67.44	90.56	127.81	127.81	209.99	222.76	262.00	405.82	624.98	648.45	519.00	
Upfront Payment																	
Fund Requirement arranged from	Equity	63.17	13.22	4.02	13.49	13.49	18.11	25.56	25.56	42.00	44.55	52.40	81.16	125.00	129.69	103.80	
	Debt	252.69	52.88	16.06	53.95	53.95	72.45	102.25	102.25	167.99	178.21	209.60	324.66	499.98	518.76	415.20	
Opening Balance	Equity	0.00	63.99	79.05	85.17	101.05	117.34	138.74	168.24	198.51	246.21	297.75	358.57	450.11	588.44	735.11	
	Debt	0.00	255.97	316.19	340.69	404.20	469.37	554.96	672.97	794.04	984.86	1190.99	1434.29	1800.46	2353.75	2940.45	
Total Equity		63.17	77.21	83.06	98.66	114.54	135.45	164.30	193.80	240.51	290.77	350.15	439.74	575.11	718.13	838.91	
Total Debt		252.69	308.85	332.26	394.64	458.16	541.82	657.21	775.21	962.03	1163.07	1400.60	1758.94	2300.44	2872.51	3355.65	
IDC		**4.11**	**9.18**	**10.54**	**11.95**	**14.01**	**16.43**	**19.70**	**23.53**	**28.54**	**34.90**	**42.11**	**51.89**	**66.64**	**84.93**	**34.10**	
Arrangement of Interest & Upfront payment from	Equity	0.82	1.84	2.11	2.39	2.80	3.29	3.94	4.71	5.71	6.98	8.42	10.38	13.33	16.99	6.82	
	Debt	3.28	7.34	8.43	9.56	11.21	13.15	15.76	18.83	22.83	27.92	33.69	41.51	53.31	67.94	27.28	
Closing Balance of	Equity	63.99	79.05	85.17	101.05	117.34	138.74	168.24	198.51	246.21	297.75	358.57	450.11	588.44	735.11	845.73	
	Debt	255.97	316.19	340.69	404.20	469.37	554.96	672.97	794.04	984.86	1190.99	1434.29	1800.46	2353.75	2940.45	3382.93	
Debt : Equity Ratio		4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	4.00	
Net Requirement of Fund	Equity	63.99	15.06	6.12	15.88	16.29	21.40	29.50	30.27	47.71	51.53	60.82	91.54	138.32	146.67	110.62	
	Debt	255.97	60.22	24.49	63.51	65.17	85.60	118.00	121.07	190.82	206.13	243.29	366.17	553.29	586.70	442.48	
Quarter ending month		Sep-15	Dec-15	Mar-16	Jun-16	Sep-16	Dec-16	Mar-17	Jun-17	Sep-17	Dec-17	Mar-18	Jun-18	Sep-18	Dec-18	Mar-19	
Phasing of Exp. Rs. Crs.	Equity			85.17				83.07				190.33				487.16	845.73
	Debt			340.69				332.28				761.32				1948.64	3382.93
	Total			425.86				415.35				951.65				2435.80	4228.66

DyEE AEE EE

Sr Mgr SE (Contract)

DyCE CE(P&P)

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BHUSAWAL 1 X 660 MW PROJECT UNIT NO 6 -EVALUATION SHEET(Annexure-E)

Working sheet for evaluation of cost of withdrawal (Schedule 11)

		BHEL		M/s LnT						
		CASH FLOW	COST OF WITHDRAWAL	CASH FLOW	CASH FLOW	COST OF WITHDRAWAL		JPY RATE	CONVERSION JPY -INR	TOTAL WITHDRAWAL
S.N.	Month	%	INR	% INR	% JPY	INR	JPY			
1	Aug-14	0.00	0	0.00	0.00	0	0	61.61	0	0
2	Sep-14	7.00	58827650	0.00	0.00	0	0	61.97	0	0
3	Oct-14	1.5	12605925	5.88	7.00	18709689.6	4693010	62.42	2929376.842	21639066.44
4	Nov-14	0.00	0	0.00	0.00	0	0	62.80	0	0
5	Dec-14	0.00	0	0.02	0.00	63638.4	0	63.20	0	63638.4
6	Jan-15	1.50	12605925	0.03	0.00	95457.6	0	63.58	0	95457.6
7	Feb-15	0	0	2.56	3.00	8145715.2	2011290	64.00	1287225.6	9432940.8
8	Mar-15	0	0	0.06	0.00	190915.2	0	64.40	0	190915.2
9	Apr-15	0	0	0.12	0.00	381830.4	0	64.85	0	381830.4
10	May-15	0.50	4201975	0.30	0.00	954576	0	65.28	0	954576
11	Jun-15	0.50	4201975	0.53	0.00	1686417.6	0	65.74	0	1686417.6
12	Jul-15	0.50	4201975	0.71	0.00	2259163.2	0	66.16	0	2259163.2
13	Aug-15	0.50	4201975	0.72	0.00	2290982.4	0	66.59	0	2290982.4
14	Sep-15	0.50	4201975	0.73	0.00	2322801.6	0	67.05	0	2322801.6
15	Oct-15	0.50	4201975	1.11	0.00	3531931.2	0	67.48	0	3531931.2
16	Nov-15	0.50	4201975	1.28	0.00	4072857.6	0	67.89	0	4072857.6
17	Dec-15	0.50	4201975	0.84	0.00	2672812.8	0	68.35	0	2672812.8
18	Jan-16	1.00	8403950	1.34	0.00	4263772.8	0	68.79	0	4263772.8
19	Feb-16	1.00	8403950	1.16	0.00	3691027.2	0	69.28	0	3691027.2
20	Mar-16	1.00	8403950	2.49	0.00	7922980.8	0	69.74	0	7922980.8
21	Apr-16	1.00	8403950	3.14	0.00	9991228.8	0	70.22	0	9991228.8
22	May-16	1.00	8403950	2.21	0.00	7032043.2	0	70.68	0	7032043.2
23	Jun-16	1.00	8403950	2.22	0.00	7063862.4	0	71.21	0	7063862.4
24	Jul-16	1.00	8403950	2.12	0.00	6745670.4	0	71.70	0	6745670.4
25	Aug-16	1.80	15127110	2.59	0.00	8241172.8	0	72.20	0	8241172.8
26	Sep-16	1.80	15127110	2.50	0.00	7954800	0	72.70	0	7954800
27	Oct-16	1.80	15127110	5.07	0.00	16132334.4	0	73.15	0	16132334.4
28	Nov-16	1.90	15967505	5.28	0.00	16800537.6	0	73.68	0	16800537.6
29	Dec-16	1.90	15967505	4.70	0.00	14955024	0	74.18	0	14955024
30	Jan-17	1.90	15967505	3.67	65.00	11677646.4	43577950	74.66	32535297.47	44212943.87
31	Feb-17	1.90	15967505	3.70	0.00	11773104	0	75.20	0	11773104
32	Mar-17	2.00	16807900	3.43	0.00	10913985.6	0	75.68	0	10913985.6
33	Apr-17	2.80	23531060	2.24	0.00	7127500.8	0	76.68	0	7127500.8
34	May-17	2.80	23531060	2.14	0.00	6809308.8	0	77.27	0	6809308.8
35	Jun-17	2.80	23531060	1.72	0.00	5472902.4	0	77.77	0	5472902.4
36	Jul-17	5.30	44540935	1.47	0.00	4677422.4	0	78.33	0	4677422.4
37	Aug-17	5.30	44540935	1.36	0.00	4327411.2	0	78.88	0	4327411.2
38	Sep-17	6.00	50423700	1.24	0.00	3945580.8	0	79.38	0	3945580.8
39	Oct-17	6	50423700	1.32	1.00	4200134.4	670430	79.96	536075.828	4736210.228
40	Nov-17	6.00	50423700	0.54	0.00	1718236.8	0	80.50	0	1718236.8
41	Dec-17	6.00	50423700	1.66	1.00	5281987.2	670430	81.01	543115.343	5825102.543
42	Jan-18	6.00	50423700	9.18	8.00	29210025.6	5363440	81.63	4378176.072	33588201.67
43	Feb-18	15.00	126059250	6.74	5.00	21446140.8	3352150	82.15	2753791.225	24199932.03
44	Mar-18			0.81	0.00	2577355.2	0	82.66	0	2577355.2
45	Apr-18			9.07	10.00	28860014.4	6704300	83.29	5584011.47	34444025.87
Total		100.00	840395000	100.00	100.00	318192000	67043000		50547069.85	368739069.9

	M/s Toshiba						
		COST OF WITHDRAWAL			USD RATE	CONVERSION USD -INR	TOTAL WITHDRAWAL INR
S.N.	CASH FLOW INR	INR	CASHFLOW USD	USD			
1	0.00	0	0.00	0.00	64.79	0	0
2	1.90	7044409.714	5.80	62060.00	65.15	4043209	11087618.71
3	5.00	18537920.3	2.30	24610.00	65.61	1614669.791	20152590.09
4	1.20	4449100.872	1.20	12840.00	65.99	847311.6	5296412.472
5	0.90	3336825.654	0.20	2140.00	66.38	142058.0636	3478883.718
6	0.10	370758.406	0.10	1070.00	66.76	71427.85	442186.256
7	0.10	370758.406	0.10	1070.00	67.16	71857.0226	442615.4286
8	0.10	370758.406	0.60	6420.00	67.53	433545.5022	804303.9082
9	0.50	1853792.03	1.00	10700.00	67.96	727153.6781	2580945.708
10	0.70	2595308.842	1.00	10700.00	68.36	731445.4041	3326754.246
11	1.20	4449100.872	1.20	12840.00	68.79	883227.8942	5332328.766
12	0.90	3336825.654	1.10	11770.00	69.19	814346.4684	4151172.122
13	1.50	5561376.09	1.20	12840.00	69.59	893528.0367	6454904.127
14	1.70	6302892.902	2.70	28890.00	70.02	2022798.254	8325691.156
15	1.40	5190617.684	4.60	49220.00	70.42	3465990.816	8656608.5
16	1.40	5190617.684	5.50	58850.00	70.81	4166937.131	9357554.815
17	1.90	7044409.714	5.60	59920.00	71.23	4268335.534	11312745.25
18	2.70	10010476.96	5.00	53500.00	71.64	3832472.5	13842949.46
19	2.30	8527443.338	4.90	52430.00	72.04	3777197.253	12304640.59
20	2.40	8898201.744	5.00	53500.00	72.41	3874048.596	12772250.34
21	3.10	11493510.59	4.30	46010.00	72.79	3349266.436	14842777.02
22	2.60	9639718.556	2.60	27820.00	73.16	2035416.001	11675134.56
23	3.60	13347302.62	2.80	29960.00	73.58	2204581.975	15551884.59
24	3.40	12605785.8	2.70	28890.00	73.97	2136888.425	14742674.23
25	6.30	23357779.58	3.40	36380.00	74.36	2705264.144	26063043.72
26	4.40	16313369.86	1.90	20330.00	74.76	1519794.214	17833164.08
27	3.50	12976544.21	1.70	18190.00	75.11	1366304.473	14342848.68
28	4.10	15201094.65	1.80	19260.00	75.52	1454527.073	16655621.72
29	1.60	5932134.496	1.20	12840.00	75.92	974755.6356	6906890.132
30	1.70	6302892.902	1.20	12840.00	76.29	979499.4	7282392.302
31	0.80	2966067.248	0.20	2140.00	76.65	164025.944	3130093.192
32	0.90	3336825.654	0.30	3210.00	76.96	247026.6082	3583852.262
33	0.80	2966067.248	0.10	1070.00	77.59	83024.18077	3049091.429
34	0.60	2224550.436	0.10	1070.00	77.97	83423.96099	2307974.397
35	1.30	4819859.278	1.10	11770.00	78.29	921414.45	5741273.728
36	2.50	9268960.15	0.60	6420.00	78.64	504847.2824	9773807.432
37	2.10	7785926.526	4.30	46010.00	78.98	3633745.927	11419672.45
38	2.20	8156684.932	2.80	29960.00	79.29	2375378.6	10532063.53
39	6.10	22616262.77	1.40	14980.00	79.65	1193121.608	23809384.37
40	0.00	0	0.00	0.00	79.98	0	0
41	1.40	5190617.684	4.10	43870.00	80.29	3522102.95	8712720.634
42	3.20	11864268.99	0.70	7490.00	80.63	603936.7617	12468205.75
43	15.90	58950586.55	11.60	124120.00	80.92	10043606.08	68994192.63
Total		370758406		1070000.00		78783512.52	449541918.5

DY EE (P&P) AD EE (P&P) 3/5/4 EXECUTIVE ENGR(P&P) SR.MANAGER (P&P) 30/04 SUPTDG ENGR (P&P) I/C 30/4 DY CE (P&P) CE (P&P)

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BHUSAWAL 1 X 660 MW PROJECT UNIT NO 6 -EVALUATION SHEET(Annexure-F)					
Guaranteed Technical Parameters offered by Bidders.Schedule – 7S					
			M/s BHEL	M/s TOSHIBA	M/s L&T
Sr. No.	Guaranteed Particulars	Unit of Measure	Value Guaranteed by bidders		
1	Maximum Weighted Average Turbine Heat Rate	kCal/kWh	1813.1 Kcal/Kwh	1816.3Kcal/Kwh	1812.34Kcal/Kwh
2	Minimum Efficiency of Steam Generator	%	89 % according to PTC4,HHV basis, Radiation loss as per ABMA curve.	88.51%	88.30%
3	Maximum Auxiliary Power Consumption	kW	26977 KW@ 100% TMCR	29896	29907
4	Suspended Particulate Matter (SPM) Level (maximum acceptable 50 mg/Nm^3)	mg/Nm^3	45 @100%TMCR_worst coal firningwith one field out of service	27	50

DyEE AEE EE Sr Mgr SE (Contract) DyCE CE(P&P)