

From

Executive Engineer,
Electrical Inspectorate, Haryana,
Block C-2, Sushant Lok-I,
Huda Primary School Building,
Gurugram.

To

M/s BML Educorp Services
At BML University
67th K.M Milestone, Vill. Sidrawali,
N.H-08, Gurugram.

Memo No:

2892

Dated:

02/9/2016

Subject:

Inspection of installation comprising of 1x156 KWp (Work Shop) & 3X30 KWp (Tower 1, 2 and 3) Solar Power System installed in BML University, Gurugram.

The subject cited installation was inspected by the undersigned on 02.09.2016 and the same was found generally complying with the relevant provisions of CEA (Measures Relating to Safety and Electric Supply) Regulations, 2010 except following observation which should be attended under intimation to this office:-

1. All the electrical apparatus/panels and structure on which modules are erected should be connected with two separate and distinct earth. Earth pits also be identified.
2. All panels, invertors etc. be marked for their identification.

Approval to energisation of the subject cited installations is hereby accorded subject to consistent compliance of the relevant provisions of CEA Regulations, 2010 in the installation at your end. Further it is also advised to take other statutory permission if required from any other authority. Please note that it shall be the responsibility of the owner of electrical installations to maintain and operate the installations in a condition free from danger and as recommended by the manufacturer or by the relevant code of practice of the Bureau of Indian Standards.



You are further advised to install the energy meter to read the energy generated and send the monthly statement of the units generated from your solar power plant to this department.


(Ex. Manoj Kumar)

Executive Engineer
Electrical Inspectorate, Hr.
Huda Primary School Building,
Gurugram, Sushant Lok-I, Gurugram

COMMISSIONING REPORT (PROVISIONAL) FOR GRID CONNECTED SOLAR PHOTOVOLTAIC POWER PLANT ((With Net-metering facility)
(to be issued before installation of bi-directional and gross energy meters)

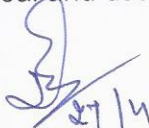

Certified that a Grid Connected SPV Power Plant of 24.6... KWp capacity has been installed at the site (Address of site) BML MUNJAL UNIVERSITY, 6.7KM MILESTONE, NH. 8, VILLAGE SIDHRAWALI district GURGAON. (Haryana) of BML MUNJAL UNIVERSITY..... (Name of Applicant/ Applicant Organization) which has been installed by M/S HERO SOLAR ENERGY PVT. LTD...... (name of supplier) on 26-09-2015(date). The system is as per BIS/HAREDA/MNRE specifications. The system has been checked for its performance on 27-04-2016 (date) (to be filled by District PO at the time of inspection) without installation of bi-directional meter and it is working satisfactorily. The system is suitable for installation of bi-directional and gross energy meters.

Signature of the beneficiary


Shripriyanka P
27/04/16


Signature of the rep. of supplier
With name, seal and date


27/4/2016

Project Officer
Renewable Energy Deptt., Haryana
Gurgaon

Signature of the P.O/APO
With name, date & seal

BML MUNJAL UNIVERSITY

Details of the Energy Units Generated by Solar Plant Installed at University

Month\Year	2016	2017	2018	2019	2020
January	19 113	21 816	22 993	20 885	18 498
February	28 242	26 102	23 757	19 895	25 800
March	33 624	27 618	29 860	29 546	27 070
April	29 111	27 022	27 519	29 023	24 498
May	28 922	25 481	26 793	28 648	25 794
June	30 568	25 725	25 147	26 488	24 909
July	25 231	24 938	25 147	24 662	25 079
August	23 568	24 186	24 911	25 168	20 322
September	27 575	24 596	22 994	21 834	23 250
October	26 374	22 565	23 545	24 175	18 977
November	18 166	19 293	18 421	16 785	14 455
December	18 522	20 141	21 362	14 063	19 706
Units/Year (KWH)	3 09 016	2 89 483	2 92 449	2 81 172	2 68 358

Date	Day	Solar - Workshop			Solar - Hostel Apartment - A			Solar - Hostel Apartment - B			Solar - Hostel Apartment - C		
		Opening	Closing	Diff	Opening	Closing	Diff	Opening	Closing	Diff	Opening	Closing	Diff
1-Jan-18	Mon	404200	404550	350	73211	73286	75	85892	85960	68	83866	83938	72
2-Jan-18	Tue	404550	404927	377	73286	73339	53	85960	86008	48	83938	83993	55
3-Jan-18	Wed	404927	405226	299	73339	73388	49	86008	86057	49	83993	84048	55
4-Jan-18	Thu	405226	405767	541	73388	73490	102	86057	86150	93	84048	84154	106
5-Jan-18	Fri	405767	406196	429	73490	73571	81	86150	86228	78	84154	84235	81
6-Jan-18	Sat	406196	406639	443	73571	73656	85	86228	86360	132	84235	84319	84
7-Jan-18	Sun	406639	407173	534	73656	73709	53	86360	86404	44	84319	84422	103
8-Jan-18	Mon	407173	407726	553	73709	73793	84	86404	86502	98	84422	84528	106
9-Jan-18	Tue	407726	408287	561	73793	73890	97	86502	86632	130	84528	84632	104
10-Jan-18	Wed	408287	408794	507	73890	73970	80	86632	86698	66	84632	84736	104
11-Jan-18	Thu	408794	409380	586	73970	74080	110	86698	86806	108	84736	84851	115
12-Jan-18	Fri	409380	409890	510	74080	74178	98	86806	86895	89	84851	84947	96
13-Jan-18	Sat	409890	410393	503	74178	74279	101	86895	86994	99	84947	85052	105
14-Jan-18	Sun	410393	410946	553	74279	74384	105	86994	87103	109	85052	85167	115
15-Jan-18	Mon	410946	411484	538	74384	74499	115	87103	87212	109	85167	85284	117
16-Jan-18	Tue	411484	412071	587	74499	74600	101	87212	87329	117	85284	85418	134
17-Jan-18	Wed	412071	412527	456	74600	74698	98	87329	87422	93	85418	85507	89
18-Jan-18	Thu	412527	413020	493	74698	74799	101	87422	87519	97	85507	85611	104
19-Jan-18	Fri	413020	413455	435	74799	74890	91	87519	87607	88	85611	85704	93
20-Jan-18	Sat	413455	413854	399	74890	75002	112	87607	87712	105	85704	85820	116
21-Jan-18	Sun	413854	414240	386	75002	75114	112	87712	87827	115	85820	85937	117
22-Jan-18	Mon	414240	415136	896	75114	75211	97	87827	87919	92	85937	86036	99
23-Jan-18	Tue	415136	415319	183	75211	75215	4	87919	87956	37	86036	86075	39
24-Jan-18	Wed	415319	415481	162	75215	75219	4	87956	87980	24	86075	86105	30
25-Jan-18	Thu	415481	415759	278	75219	75259	40	87980	88016	36	86105	86155	50
26-Jan-18	Fri	415759	416258	499	75259	75343	84	88016	88098	82	86155	86234	79
27-Jan-18	Sat	416258	416673	415	75343	75417	74	88098	88165	67	86234	86308	74
28-Jan-18	Sun	416673	417165	492	75417	75506	89	88165	88243	78	86308	86368	60
29-Jan-18	Mon	417165	417796	631	75506	75624	118	88243	88359	116	86368	86489	121
30-Jan-18	Tue	417796	418424	628	75624	75741	117	88359	88474	115	86489	86610	121
31-Jan-18	Wed	418424	419011	587	75741	75850	109	88474	88580	106	86610	86721	111
1-Feb-18	Thu	419011	419603	592	75850	75958	108	88580	88687	107	86721	86833	112
2-Feb-18	Fri	419603	420196	593	75958	76066	108	88687	88794	107	86833	86946	113
3-Feb-18	Sat	420196	420836	640	76066	76185	119	88794	88912	118	86946	87068	122
4-Feb-18	Sun	420836	421491	655	76185	76299	114	88912	89033	121	87068	87192	124
5-Feb-18	Mon	421491	421910	419	76299	76376	77	89033	89104	71	87192	87271	79
6-Feb-18	Tue	421910	422274	364	76376	76442	66	89104	89164	60	87271	87338	67
7-Feb-18	Wed	422274	422934	660	76442	76563	121	89164	89286	122	87338	87465	127
8-Feb-18	Thu	422934	423438	504	76563	76671	108	89286	89398	112	87465	87577	112
9-Feb-18	Fri	423438	424146	708	76671	76790	119	89398	89515	117	87577	87699	122
10-Feb-18	Sat	424146	424664	518	76790	76890	100	89515	89614	99	87699	87803	104
11-Feb-18	Sun	424664	425050	386	76890	76944	54	89614	89676	62	87803	87870	67
12-Feb-18	Mon	425050	425290	240	76944	77029	85	89676	89757	81	87870	87956	86
13-Feb-18	Tue	425290	425983	693	77029	77128	99	89757	89856	99	87956	88058	102
14-Feb-18	Wed	425983	426509	526	77128	77246	118	89856	89977	121	88058	88182	124
15-Feb-18	Thu	426509	427019	510	77246	77362	116	89977	90095	118	88182	88303	121
16-Feb-18	Fri	427019	427800	781	77362	77470	108	90095	90205	110	88303	88416	113
17-Feb-18	Sat	427800	428511	711	77470	77551	81	90205	90314	109	88416	88528	112
18-Feb-18	Sun	428511	429022	511	77551	77641	90	90314	90433	119	88528	88647	119
19-Feb-18	Mon	429022	429633	611	77641	77754	113	90433	90549	116	88647	88764	117
20-Feb-18	Tue	429633	430226	593	77754	77866	112	90549	90665	116	88764	88880	116
21-Feb-18	Wed	430226	430767	541	77866	77969	103	90665	90770	105	88880	88986	106
22-Feb-18	Thu	430767	431292	525	77969	78066	97	90770	90868	98	88986	89086	100
23-Feb-18	Fri	431292	431645	353	78066	78139	73	90868	90939	71	89086	89161	75
24-Feb-18	Sat	431645	432102	457	78139	78228	89	90939	91025	86	89161	89250	89
25-Feb-18	Sun	432102	432616	514	78228	78322	94	91025	91129	104	89250	89355	105
26-Feb-18	Mon	432616	433231	615	78322	78437	115	91129	91254	125	89355	89479	124
27-Feb-18	Tue	433231	434032	801	78437	78543	106	91254	91364	110	89479	89589	110
28-Feb-18	Wed	434032	434194	162	78543	78616	73	91364	91441	77	89589	89668	79
1-Mar-18	Thu	434194	434630	436	78616	78687	71	91441	91525	84	89668	89754	86
2-Mar-18	Fri	434630	435177	547	78687	78789	102	91525	91634	109	89754	89862	108
3-Mar-18	Sat	435177	435651	474	78789	78878	89	91634	91726	92	89862	89955	93
4-Mar-18	Sun	435651	436048	397	78878	78952	74	91726	91802	76	89955	90033	78
5-Mar-18	Mon	436048	436784	736	78952	79086	134	91802	91945	143	90033	90177	144

6-Mar-18	Tue	436784	437484	700	79086	79219	133	91945	92083	138	90177	90316	139
7-Mar-18	Wed	437484	438254	770	79219	79353	134	92083	92227	144	90316	90461	145
8-Mar-18	Thu	438254	438941	687	79353	79402	49	92227	92360	133	90461	90594	133
9-Mar-18	Fri	438941	439596	655	79402	79524	122	92360	92485	125	90594	90718	124
10-Mar-18	Sat	439596	440287	691	79524	79652	128	92485	92621	136	90718	90850	132
11-Mar-18	Sun	440287	440717	430	79652	79661	9	92621	92750	129	90850	90975	125
12-Mar-18	Mon	440717	441377	660	79661	79772	111	92750	92878	128	90975	91104	129
13-Mar-18	Tue	441377	442267	890	79772	79889	117	92878	93005	127	91104	91230	126
14-Mar-18	Wed	442267	442836	569	79889	79948	59	93005	93114	109	91230	91340	110
15-Mar-18	Thu	442836	443353	517	79948	80044	96	93114	93217	103	91340	91443	103
16-Mar-18	Fri	443353	443855	502	80044	80144	100	93217	93314	97	91443	91540	97
17-Mar-18	Sat	443855	444515	660	80144	80267	123	93314	93450	136	91540	91672	132
18-Mar-18	Sun	444515	444915	400	80267	80396	129	93450	93584	134	91672	91804	132
19-Mar-18	Mon	444915	445738	823	80396	80497	101	93584	93689	105	91804	91910	106
20-Mar-18	Tue	445738	446247	509	80497	80599	102	93689	93793	104	91910	92014	104
21-Mar-18	Wed	446247	446897	650	80599	80709	110	93793	93909	116	92014	92133	119
22-Mar-18	Thu	446897	447570	673	80709	80829	120	93909	94030	121	92133	92257	124
23-Mar-18	Fri	447570	448292	722	80829	80957	128	94030	94164	134	92257	92394	137
24-Mar-18	Sat	448292	448695	403	80957	81085	128	94164	94298	134	92394	92530	136
25-Mar-18	Sun	448695	449696	1001	81085	81185	100	94298	94430	132	92530	92665	135
26-Mar-18	Mon	449696	450216	520	81185	81310	125	94430	94558	128	92665	92795	130
27-Mar-18	Tue	450216	450856	640	81310	81427	117	94558	94686	128	92795	92926	131
28-Mar-18	Wed	450856	451517	661	81427	81555	128	94686	94814	128	92926	93057	131
29-Mar-18	Thu	451517	452100	583	81555	81650	95	94814	94941	127	93057	93187	130
30-Mar-18	Fri	452100	452606	506	81650	81784	134	94941	95078	137	93187	93328	141
31-Mar-18	Sat	452606	453224	618	81784	81903	119	95078	95198	120	93328	93454	126
1-Apr-18	Sun	453224	453694	470	81903	81989	86	95198	95316	118	93454	93578	124
2-Apr-18	Mon	453694	454134	440	81989	82094	105	95316	95428	112	93578	93696	118
3-Apr-18	Tue	454134	454867	733	82094	82195	101	95428	95526	98	93696	93801	105
4-Apr-18	Wed	454867	455602	735	82195	82296	101	95526	95629	103	93801	93912	111
5-Apr-18	Thu	455602	455860	258	82296	82395	99	95629	95730	101	93912	94018	106
6-Apr-18	Fri	455860	456227	367	82395	82471	76	95730	95804	74	94018	94098	80
7-Apr-18	Sat	456227	456320	93	82471	82604	133	95804	95939	135	94098	94244	146
8-Apr-18	Sun	456320	457470	1150	82604	82731	127	95939	96067	128	94244	94381	137
9-Apr-18	Mon	457470	457887	417	82731	82827	96	96067	96155	88	94381	94474	93
10-Apr-18	Tue	457887	458421	534	82827	82947	120	96155	96267	112	94474	94595	121
11-Apr-18	Wed	458421	458888	467	82947	83045	98	96267	96362	95	94595	94698	103
12-Apr-18	Thu	458888	459512	624	83045	83178	133	96362	96492	130	94698	94838	140
13-Apr-18	Fri	459512	459987	475	83178	83329	151	96492	96638	146	94838	94994	156
14-Apr-18	Sat	459987	460786	799	83329	83474	145	96638	96768	130	94994	95135	141
15-Apr-18	Sun	460786	461292	506	83474	83571	97	96768	96890	122	95135	95266	131
16-Apr-18	Mon	461292	461897	605	83571	83696	125	96890	97001	111	95266	95386	120
17-Apr-18	Tue	461897	462417	520	83696	83820	124	97001	97120	119	95386	95515	129
18-Apr-18	Wed	462417	463090	673	83820	83961	141	97120	97254	134	95515	95661	146
19-Apr-18	Thu	463090	463643	553	83961	84093	132	97254	97379	125	95661	95791	130
20-Apr-18	Fri	463643	464220	577	84093	84220	127	97379	97502	123	95791	95929	138
21-Apr-18	Sat	464220	464730	510	84220	84347	127	97502	97625	123	95929	96062	133
22-Apr-18	Sun	464730	465393	663	84347	84499	152	97625	97769	144	96062	96218	156
23-Apr-18	Mon	465393	466021	628	84499	84646	147	97769	97912	143	96218	96372	154
24-Apr-18	Tue	466021	466546	525	84646	84792	146	97912	98050	138	96372	96520	148
25-Apr-18	Wed	466546	467202	656	84792	84939	147	98050	98187	137	96520	96667	147
26-Apr-18	Thu	467202	467744	542	84939	85073	134	98187	98313	126	96667	96803	136
27-Apr-18	Fri	467744	468223	479	85073	85188	115	98313	98418	105	96803	96917	114
28-Apr-18	Sat	468223	468731	508	85188	85306	118	98418	98526	108	96917	97033	116
29-Apr-18	Sun	468731	469231	500	85306	85411	105	98526	98620	94	97033	97134	101
30-Apr-18	Mon	469231	469749	518	85411	85542	131	98620	98742	122	97134	97265	131
1-May-18	Tue	469749	470342	593	85542	85673	131	98742	98864	122	97265	97395	130
2-May-18	Wed	470342	470862	520	85673	85788	115	98864	98969	105	97395	97509	114
3-May-18	Thu	470862	471351	489	85788	85890	102	98969	99067	98	97509	97616	107
4-May-18	Fri	471351	471850	499	85890	86019	129	99067	99185	118	97616	97746	130
5-May-18	Sat	471850	472450	600	86019	86136	117	99185	99295	110	97746	97867	121
6-May-18	Sun	472450	472756	306	86136	86235	99	99295	99401	106	97867	97984	117
7-May-18	Mon	472756	473250	494	86235	86356	121	99401	99513	112	97984	98106	122
8-May-18	Tue	473250	473779	529	86356	86479	123	99513	99629	116	98106	98231	125
9-May-18	Wed	473779	474549	770	86479	86581	102	99629	99721	92	98231	98331	100
10-May-18	Thu	474549	475290	741	86581	86708	127	99721	99839	118	98331	98459	128

11-May-18	Fri	475290	475849	559	86708	86831	123	99839	99954	115	98459	98585	126
12-May-18	Sat	475849	476206	357	86831	86948	117	99954	100061	107	98585	98700	115
13-May-18	Sun	476206	476632	426	86948	87041	93	100061	100146	85	98700	98791	91
14-May-18	Mon	476632	477179	547	87041	87162	121	100146	100256	110	98791	98912	121
15-May-18	Tue	477179	477608	429	87162	87282	120	100256	100346	90	98912	99032	120
16-May-18	Wed	477608	478335	727	87282	87414	132	100346	100485	139	99032	99165	133
17-May-18	Thu	478335	478860	525	87414	87525	111	100485	100595	110	99165	99277	112
18-May-18	Fri	478860	479390	530	87525	87648	123	100595	100698	103	99277	99398	121
19-May-18	Sat	479390	479950	560	87648	87734	86	100698	100782	84	99398	99491	93
20-May-18	Sun	479950	480401	451	87734	87856	122	100782	100891	109	99491	99609	118
21-May-18	Mon	480401	480978	577	87856	87979	123	100891	101008	117	99609	99738	129
22-May-18	Tue	480978	481539	561	87979	88104	125	101008	101123	115	99738	99864	126
23-May-18	Wed	481539	482046	507	88104	88220	116	101123	101228	105	99864	99980	116
24-May-18	Thu	482046	482500	454	88220	88326	106	101228	101321	93	99980	100087	107
25-May-18	Fri	482500	482987	487	88326	88418	92	101321	101439	118	100087	100214	127
26-May-18	Sat	482987	483517	530	88418	88542	124	101439	101553	114	100214	100343	129
27-May-18	Sun	483517	484131	614	88542	88673	131	101553	101676	123	100343	100477	134
28-May-18	Mon	484131	484564	433	88673	88774	101	101676	101770	94	100477	100580	103
29-May-18	Tue	484564	485080	516	88774	88896	122	101770	101879	109	100580	100698	118
30-May-18	Wed	485080	485493	413	88896	88989	93	101879	101964	85	100698	100792	94
31-May-18	Thu	485493	486013	520	88989	89098	109	101964	102071	107	100792	100909	117
1-Jun-18	Fri	486013	486527	514	89098	89214	116	102071	102176	105	100909	101024	115
2-Jun-18	Sat	486527	487053	526	89214	89331	117	102176	102281	105	101024	101138	114
3-Jun-18	Sun	487053	487592	539	89331	89453	122	102281	102389	108	101138	101251	113
4-Jun-18	Mon	487592	488107	515	89453	89570	117	102389	102490	101	101251	101359	108
5-Jun-18	Tue	488107	488631	524	89570	89685	115	102490	102592	102	101359	101467	108
6-Jun-18	Wed	488631	489141	510	89685	89782	97	102592	102677	85	101467	101556	89
7-Jun-18	Thu	489141	489646	505	89782	89888	106	102677	102771	94	101556	101660	104
8-Jun-18	Fri	489646	490126	480	89888	89979	91	102771	102850	79	101660	101742	82
9-Jun-18	Sat	490126	490647	521	89979	90069	90	102850	102937	87	101742	101836	94
10-Jun-18	Sun	490647	491266	619	90069	90177	108	102937	103053	116	101836	101963	127
11-Jun-18	Mon	491266	491909	643	90177	90310	133	103053	103173	120	101963	102092	129
12-Jun-18	Tue	491909	492487	578	90310	90422	112	103173	103281	108	102092	102204	112
13-Jun-18	Wed	492487	493044	557	90422	90539	117	103281	103386	105	102204	102318	114
14-Jun-18	Thu	493044	493614	570	90539	90663	124	103386	103497	111	102318	102440	122
15-Jun-18	Fri	493614	493912	298	90663	90720	57	103497	103545	48	102440	102499	59
16-Jun-18	Sat	493912	494471	559	90720	90782	62	103545	103620	75	102499	102580	81
17-Jun-18	Sun	494471	494977	506	90782	90903	121	103620	103729	109	102580	102701	121
18-Jun-18	Mon	494977	495545	568	90903	91026	123	103729	103840	111	102701	102814	113
19-Jun-18	Tue	495545	495998	453	91026	91151	125	103840	103966	126	102814	102943	129
20-Jun-18	Wed	495998	496569	571	91151	91279	128	103966	104082	116	102943	103063	120
21-Jun-18	Thu	496569	497212	643	91279	91377	98	104082	104178	96	103063	103164	101
22-Jun-18	Fri	497212	497911	699	91377	91495	118	104178	104291	113	103164	103284	120
23-Jun-18	Sat	497911	498535	624	91495	91579	84	104291	104369	78	103284	103369	85
24-Jun-18	Sun	498535	499162	627	91579	91688	109	104369	104472	103	103369	103480	111
25-Jun-18	Mon	499162	499732	570	91688	91808	120	104472	104583	111	103480	103600	120
26-Jun-18	Tue	499732	499887	155	91808	91841	33	104583	104611	28	103600	103633	33
27-Jun-18	Wed	499887	500337	450	91841	91923	82	104611	104684	73	103633	103713	80
28-Jun-18	Thu	500337	500892	555	91923	92014	91	104684	104774	90	103713	103811	98
29-Jun-18	Fri	500892	501461	569	92014	92113	99	104774	104866	92	103811	103914	103
30-Jun-18	Sat	501461	502044	583	92113	92213	100	104866	104960	94	103914	104021	107
1-Jul-18	Sun	502044	502044	0	92213	92310	97	104960	105053	93	104021	104120	99
2-Jul-18	Mon	502044	503194	1150	92310	92426	116	105053	105147	94	104120	104232	112
3-Jul-18	Tue	503194	503866	672	92426	92551	125	105147	105258	111	104232	104356	124
4-Jul-18	Wed	503866	504536	670	92551	92669	118	105258	105367	109	104356	104480	124
5-Jul-18	Thu	504536	505186	650	92669	92792	123	105367	105476	109	104480	104601	121
6-Jul-18	Fri	505186	505872	686	92792	92919	127	105476	105589	113	104601	104729	128
7-Jul-18	Sat	505872	506587	715	92919	93053	134	105589	105708	119	104729	104862	133
8-Jul-18	Sun	506587	507228	641	93053	93180	127	105708	105825	117	104862	104993	131
9-Jul-18	Mon	507228	507847	619	93180	93295	115	105825	105926	101	104993	105107	114
10-Jul-18	Tue	507847	508437	590	93295	93395	100	105926	106033	107	105107	105228	121
11-Jul-18	Wed	508437	509035	598	93395	93507	112	106033	106133	100	105228	105341	113
12-Jul-18	Thu	509035	509612	577	93507	93614	107	106133	106233	100	105341	105457	116
13-Jul-18	Fri	509612	510218	606	93614	93673	59	106233	106284	51	105457	105514	57
14-Jul-18	Sat	510218	510313	95	93673	93731	58	106284	106348	64	105514	105591	77
15-Jul-18	Sun	510313	510572	259	93731	93855	124	106348	106458	110	105591	105715	124

16-Jul-18	Mon	510572	511306	734	93855	93915	60	106458	106508	50	105715	105776	61
17-Jul-18	Tue	511306	511802	496	93915	94003	88	106508	106584	76	105776	105866	90
18-Jul-18	Wed	511802	512442	640	94003	94121	118	106584	106688	104	105866	105986	120
19-Jul-18	Thu	512442	513057	615	94121	94232	111	106688	106794	106	105986	106105	119
20-Jul-18	Fri	513057	513610	553	94232	94304	72	106794	106856	62	106105	106179	74
21-Jul-18	Sat	513610	513843	233	94304	94379	75	106856	106920	64	106179	106255	76
22-Jul-18	Sun	513843	514265	422	94379	94457	78	106920	106985	65	106255	106333	78
23-Jul-18	Mon	514265	514714	449	94457	94540	83	106985	107055	70	106333	106416	83
24-Jul-18	Tue	514714	515120	406	94540	94680	140	107055	107176	121	106416	106551	135
25-Jul-18	Wed	515120	515648	528	94680	94717	37	107176	107202	26	106551	106593	42
26-Jul-18	Thu	515648	515876	228	94717	94739	22	107202	107240	38	106593	106640	47
27-Jul-18	Fri	515876	516053	177	94739	94777	38	107240	107268	28	106640	106677	37
28-Jul-18	Sat	516053	516671	618	94777	94892	115	107268	107367	99	106677	106792	115
29-Jul-18	Sun	516671	517312	641	94892	95012	120	107367	107470	103	106792	106911	119
30-Jul-18	Mon	517312	517939	627	95012	95132	120	107470	107547	77	106911	107031	120
31-Jul-18	Tue	517939	518408	469	95132	95216	84	107547	107645	98	107031	107116	85
1-Aug-18	Wed	518408	519117	709	95216	95351	135	107645	107761	116	107116	107250	134
2-Aug-18	Thu	519117	519610	493	95351	95467	116	107761	107864	103	107250	107371	121
3-Aug-18	Fri	519610	520190	580	95467	95585	118	107864	107967	103	107371	107491	120
4-Aug-18	Sat	520190	520819	629	95585	95671	86	107967	108041	74	107491	107580	89
5-Aug-18	Sun	520819	521141	322	95671	95730	59	108041	108088	47	107580	107638	58
6-Aug-18	Mon	521141	521389	248	95730	95777	47	108088	108123	35	107638	107684	46
7-Aug-18	Tue	521389	521818	429	95777	95856	79	108123	108187	64	107684	107762	78
8-Aug-18	Wed	521818	522228	410	95856	95939	83	108187	108256	69	107762	107846	84
9-Aug-18	Thu	522228	522891	663	95939	96057	118	108256	108359	103	107846	107966	120
10-Aug-18	Fri	522891	523541	650	96057	96177	120	108359	108464	105	107966	108091	125
11-Aug-18	Sat	523541	523956	415	96177	96302	125	108464	108571	107	108091	108216	125
12-Aug-18	Sun	523956	524646	690	96302	96367	65	108571	108639	68	108216	108298	82
13-Aug-18	Mon	524646	525126	480	96367	96455	88	108639	108718	79	108298	108393	95
14-Aug-18	Tue	525126	525836	710	96455	96584	129	108718	108823	105	108393	108521	128
15-Aug-18	Wed	525836	526446	610	96584	96694	110	108823	108925	102	108521	108634	113
16-Aug-18	Thu	526446	527059	613	96694	96811	117	108925	109024	99	108634	108748	114
17-Aug-18	Fri	527059	527731	672	96811	96936	125	109024	109135	111	108748	108821	73
18-Aug-18	Sat	527731	528384	653	96936	97058	122	109135	109239	104	108821	108930	109
19-Aug-18	Sun	528384	528695	311	97058	97115	57	109239	109285	46	108930	108948	18
20-Aug-18	Mon	528695	529162	467	97115	97201	86	109285	109355	70	108948	108948	0
21-Aug-18	Tue	529162	529868	706	97201	97330	129	109355	109473	118	108948	109080	132
22-Aug-18	Wed	529868	530297	429	97330	97408	78	109473	109537	64	109080	109159	79
23-Aug-18	Thu	530297	530650	353	97408	97502	94	109537	109613	76	109159	109251	92
24-Aug-18	Fri	530650	531130	480	97502	97590	88	109613	109683	70	109251	109339	88
25-Aug-18	Sat	531130	531540	410	97590	97690	100	109683	109760	77	109339	109440	101
26-Aug-18	Sun	531540	532030	490	97690	97823	133	109760	109877	117	109440	109568	128
27-Aug-18	Mon	532030	532769	739	97823	97874	51	109877	109915	38	109568	109618	50
28-Aug-18	Tue	532769	533090	321	97874	97937	63	109915	109967	52	109618	109682	64
29-Aug-18	Wed	533090	533533	443	97937	98017	80	109967	110022	55	109682	109765	83
30-Aug-18	Thu	533533	534186	653	98017	98158	141	110022	110070	48	109765	109892	127
31-Aug-18	Fri	534186	534799	613	98158	98247	89	110070	110241	171	109892	110009	117
1-Sep-18	Sat	534799	535002	203	98247	98284	37	110241	110267	26	110009	110046	37
2-Sep-18	Sun	535002	535283	281	98284	98331	47	110267	110309	42	110046	110098	52
3-Sep-18	Mon	535283	535709	426	98331	98412	81	110309	110372	63	110098	110177	79
4-Sep-18	Tue	535709	535963	254	98412	98460	48	110372	110410	38	110177	110229	52
5-Sep-18	Wed	535963	536293	330	98460	98514	54	110410	110457	47	110229	110286	57
6-Sep-18	Thu	536293	536897	604	98514	98629	115	110457	110554	97	110286	110403	117
7-Sep-18	Fri	536897	537469	572	98629	98731	102	110554	110645	91	110403	110512	109
8-Sep-18	Sat	537469	537748	279	98731	98783	52	110645	110678	33	110512	110562	50
9-Sep-18	Sun	537748	537843	95	98783	98870	87	110678	110753	75	110562	110652	90
10-Sep-18	Mon	537843	538594	751	98870	98936	66	110753	110803	50	110652	110716	64
11-Sep-18	Tue	538594	539111	517	98936	99033	97	110803	110884	81	110716	110814	98
12-Sep-18	Wed	539111	539644	533	99033	99135	102	110884	110972	88	110814	110972	158
13-Sep-18	Thu	539644	540345	701	99135	99270	135	110972	111093	121	110972	111053	81
14-Sep-18	Fri	540345	540900	555	99270	99391	121	111093	111201	108	111053	111177	124
15-Sep-18	Sat	540900	541600	700	99391	99521	130	111201	111319	118	111177	111309	132
16-Sep-18	sun	541600	542090	490	99521	99628	107	111319	111436	117	111309	111369	60
17-Sep-18	Mon	542090	542965	875	99628	99751	123	111436	111543	107	111369	111490	121
18-Sep-18	Tue	542965	543599	634	99751	99879	128	111543	111658	115	111490	111518	28
19-Sep-18	Wed	543599	544285	686	99879	100009	130	111658	111774	116	111518	111570	52

20-Sep-18	Thu	544285	544795	510	100009	100126	117	111774	111881	107	111570	111641	71
21-Sep-18	Fri	544795	545100	305	100126	100222	96	111881	111967	86	111641	111747	106
22-Sep-18	Sat	545100	545596	496	100222	100259	37	111967	111995	28	111747	111776	29
23-Sep-18	Sun	545596	545897	301	100259	100315	56	111995	112039	44	111776	111831	55
24-Sep-18	Mon	545897	546003	106	100315	100342	27	112039	112058	19	111831	111856	25
25-Sep-18	Tue	546003	546559	556	100342	100450	108	112058	112150	92	111856	111959	103
26-Sep-18	Wed	546559	547238	679	100450	100573	123	112150	112270	120	111959	112090	131
27-Sep-18	Thu	547238	547896	658	100573	100695	122	112270	112385	115	112090	112215	125
28-Sep-18	Fri	547896	548556	660	100695	100820	125	112385	112506	121	112215	112347	132
29-Sep-18	Sat	548556	549224	668	100820	100939	119	112506	112624	118	112347	112476	129
30-Sep-18	Sun	549224	549883	659	100939	101062	123	112624	112741	117	112476	112604	128
1-Oct-18	Mon	549883	550523	640	101062	101177	115	112741	112856	115	112604	112727	123
2-Oct-18	Tue	550523	551134	611	101177	101290	113	112856	112965	109	112727	112843	116
3-Oct-18	Wed	551134	551725	591	101290	101396	106	112965	113069	104	112843	112950	107
4-Oct-18	Thu	551725	552275	550	101396	101495	99	113069	113163	94	112950	113047	97
5-Oct-18	Fri	552275	552893	618	101495	101608	113	113163	113272	109	113047	113162	115
6-Oct-18	Sat	552893	553505	612	101608	101724	116	113272	113383	111	113162	113279	117
7-Oct-18	Sun	553505	553906	401	101724	101831	107	113383	113494	111	113279	113396	117
8-Oct-18	Mon	553906	554309	403	101831	101937	106	113494	113594	100	113396	113504	108
9-Oct-18	Tue	554309	555262	953	101937	102047	110	113594	113700	106	113504	113612	108
10-Oct-18	Wed	555262	555778	516	102047	102144	97	113700	113791	91	113612	113718	106
11-Oct-18	Thu	555778	556314	536	102144	102250	106	113791	113888	97	113718	113824	106
12-Oct-18	Fri	556314	556823	509	102250	102351	101	113888	113982	94	113824	113928	104
13-Oct-18	Sat	556823	557370	547	102351	102465	114	113982	114090	108	113928	114044	116
14-Oct-18	Sun	557370	557951	581	102465	102579	114	114090	114199	109	114044	114161	117
15-Oct-18	Mon	557951	558480	529	102579	102678	99	114199	114296	97	114161	114265	104
16-Oct-18	Tue	558480	558940	460	102678	102774	96	114296	114381	85	114265	114360	95
17-Oct-18	Wed	558940	559461	521	102774	102882	108	114381	114485	104	114360	114470	110
18-Oct-18	Thu	559461	559873	412	102882	102981	99	114485	114576	91	114470	114568	98
19-Oct-18	Fri	559873	560250	377	102981	103068	87	114576	114658	82	114568	114658	90
20-Oct-18	Sat	560250	560774	524	103068	103154	86	114658	114739	81	114658	114748	90
21-Oct-18	Sun	560774	561024	250	103154	103247	93	114739	114825	86	114748	114842	94
22-Oct-18	Mon	561024	561469	445	103247	103346	99	114825	114925	100	114842	114949	107
23-Oct-18	Tue	561469	561851	382	103346	103442	96	114925	115024	99	114949	115055	106
24-Oct-18	Wed	561851	562250	399	103442	103531	89	115024	115106	82	115055	115145	90
25-Oct-18	Thu	562250	562651	401	103531	103615	84	115106	115189	83	115145	115236	91
26-Oct-18	Fri	562651	562911	260	103615	103687	72	115189	115257	68	115236	115311	75
27-Oct-18	Sat	562911	563350	439	103687	103759	72	115257	115322	65	115311	115386	75
28-Oct-18	Sun	563350	563534	184	103759	103830	71	115322	115398	76	115386	115470	84
29-Oct-18	Mon	563534	563866	332	103830	103913	83	115398	115474	76	115470	115553	83
30-Oct-18	Tue	563866	564099	233	103913	103987	74	115474	115540	66	115553	115628	75
31-Oct-18	Wed	564099	564455	356	103987	104068	81	115540	115608	68	115628	115704	76
1-Nov-18	Thu	564455	564731	276	104068	104136	68	115608	115671	63	115704	115777	73
2-Nov-18	Fri	564731	565023	292	104136	104212	76	115671	115740	69	115777	115853	76
3-Nov-18	Sat	565023	565313	290	104212	104281	69	115740	115803	63	115853	115925	72
4-Nov-18	Sun	565313	565663	350	104281	104352	71	115803	115876	73	115925	116006	81
5-Nov-18	Mon	565663	565933	270	104352	104417	65	115876	115931	55	116006	116069	63
6-Nov-18	Tue	565933	566327	394	104417	104513	96	115931	116021	90	116069	116164	95
7-Nov-18	Wed	566327	566661	334	104513	104600	87	116021	116106	85	116164	116257	93
8-Nov-18	Thu	566661	566950	289	104600	104680	80	116106	116177	71	116257	116335	78
9-Nov-18	Fri	566950	567197	247	104680	104739	59	116177	116236	59	116335	116402	67
10-Nov-18	Sat	567197	567342	145	104739	104806	67	116236	116294	58	116402	116467	65
11-Nov-18	Sun	567342	567232	0	104806	104887	81	116294	116384	90	116467	116549	82
12-Nov-18	Mon	567232	568048	816	104887	104959	72	116384	116443	59	116549	116630	81
13-Nov-18	Tue	568048	568698	650	104959	105017	58	116443	116494	51	116630	116689	59
14-Nov-18	Wed	568698	569085	387	105017	105048	31	116494	116563	69	116689	116762	73
15-Nov-18	Thu	569085	569250	165	105048	105136	88	116563	116640	77	116762	116847	85
16-Nov-18	Fri	569250	569680	430	105136	105247	111	116640	116743	103	116847	116956	109
17-Nov-18	Sat	569680	570080	400	105247	105353	106	116743	116843	100	116956	117062	106
18-Nov-18	Sun	570080	570405	325	105353	105442	89	116843	116929	86	117062	117156	94
19-Nov-18	Mon	570405	571009	604	105442	105517	75	116929	116995	66	117156	117230	74
20-Nov-18	Tue	571009	571490	481	105517	105611	94	116995	117080	85	117230	117323	93
21-Nov-18	Wed	571490	571840	350	105611	105706	95	117080	117166	86	117323	117416	93
22-Nov-18	Thu	571840	572339	499	105706	105788	82	117166	117239	73	117416	117497	81
23-Nov-18	Fri	572339	572787	448	105788	105849	61	117239	117329	90	117497	117593	96
24-Nov-18	Sat	572787	573295	508	105849	105961	112	117329	117431	102	117593	117700	107

25-Nov-18	Sun	573295	573780	485	105961	106067	106	117431	117528	97	117700	117799	99
26-Nov-18	Mon	573780	574260	480	106067	106166	99	117528	117617	89	117799	117892	93
27-Nov-18	Tue	574260	574662	402	106166	106248	82	117617	117690	73	117892	117970	78
28-Nov-18	Wed	574662	574906	244	106248	106311	63	117690	117750	60	117970	118036	66
29-Nov-18	Thu	574906	575156	250	106311	106393	82	117750	117816	66	118036	118111	75
30-Nov-18	Fri	575156	575683	527	106393	106481	88	117816	117894	78	118111	118198	87
1-Dec-18	Sat	575683	576133	450	106481	106574	93	117894	117978	84	118198	118289	91
2-Dec-18	Sun	576133	576564	431	106574	106662	88	117978	118056	78	118289	118377	88
3-Dec-18	Mon	576564	577009	445	106662	106753	91	118056	118136	80	118377	118466	89
4-Dec-18	Tue	577009	577419	410	106753	106782	29	118136	118211	75	118466	118548	82
5-Dec-18	Wed	577419	577817	398	106782	106874	92	118211	118295	84	118548	118637	89
6-Dec-18	Thu	577817	578193	376	106874	106948	74	118295	118378	83	118637	118730	93
7-Dec-18	Fri	578193	578493	300	106948	107028	80	118378	118457	79	118730	118815	85
8-Dec-18	Sat	578493	578954	461	107028	107083	55	118457	118534	77	118815	118900	85
9-Dec-18	Sun	578954	579297	343	107083	107175	92	118534	118606	72	118900	118979	79
10-Dec-18	Mon	579297	579608	311	107175	107242	67	118606	118669	63	118979	119051	72
11-Dec-18	Tue	579608	579901	293	107242	107285	43	118669	118709	40	119051	119097	46
12-Dec-18	Wed	579901	580112	211	107285	107344	59	118709	118759	50	119097	119153	56
13-Dec-18	Thu	580112	580482	370	107344	107425	81	118759	118829	70	119153	119231	78
14-Dec-18	Fri	580482	581062	580	107425	107529	104	118829	118921	92	119231	119332	101
15-Dec-18	Sat	581062	581572	510	107529	107633	104	118921	119014	93	119332	119434	102
16-Dec-18	Sun	581572	581980	408	107633	107742	109	119014	119111	97	119434	119539	105
17-Dec-18	Mon	581980	582650	670	107742	107834	92	119111	119193	82	119539	119627	88
18-Dec-18	Tue	582650	583180	530	107834	107939	105	119193	119287	94	119627	119730	103
19-Dec-18	Wed	583180	583744	564	107939	108043	104	119287	119379	92	119730	119831	101
20-Dec-18	Thu	583744	584190	446	108043	108147	104	119379	119471	92	119831	119933	102
21-Dec-18	Fri	584190	584622	432	108147	108246	99	119471	119571	100	119933	120031	98
22-Dec-18	Sat	584622	585225	603	108246	108332	86	119571	119656	85	120031	120117	86
23-Dec-18	Sun	585225	585610	385	108332	108408	76	119656	119704	48	120117	120193	76
24-Dec-18	Mon	585610	586018	408	108408	108489	81	119704	119776	72	120193	120274	81
25-Dec-18	Tue	586018	586462	444	108489	108577	88	119776	119852	76	120274	120361	87
26-Dec-18	Wed	586462	586959	497	108577	108673	96	119852	119939	87	120361	120458	97
27-Dec-18	Thu	586959	587419	460	108673	108764	91	119939	120021	82	120458	120550	92
28-Dec-18	Fri	587419	587851	432	108764	108847	83	120021	120096	75	120550	120633	83
29-Dec-18	Sat	587851	588351	500	108847	108946	99	120096	120186	90	120633	120734	101
30-Dec-18	Sun	588351	588807	456	108946	109038	92	120186	120270	84	120734	120788	54
31-Dec-18	Mon	588807	589307	500	109038	109138	100	120270	120360	90	120788	120813	25
1-Jan-19	Tue	589307	589735	428	109138	109225	87	120360	120438	78	120813	121015	202
2-Jan-19	Wed	589735	589990	255	109225	109301	76	120438	120505	67	121015	121092	77
3-Jan-19	Thu	589990	590175	185	109301	109358	57	120505	120554	49	121092	121145	53
4-Jan-19	Fri	590175	590783	608	109358	109422	64	120554	120608	54	121145	121211	66
5-Jan-19	Sat	590783	591062	279	109422	109495	73	120608	120671	63	121211	121284	73
6-Jan-19	Sun	591062	591339	277	109495	109543	48	120671	120708	37	121284	121329	45
7-Jan-19	Mon	591339	591478	139	109543	109622	79	120708	120779	71	121329	121405	76
8-Jan-19	Tue	591478	591893	415	109622	109726	104	120779	120870	91	121405	121506	101
9-Jan-19	Wed	591893	592845	952	109726	109839	113	120870	120969	99	121506	121615	109
10-Jan-19	Thu	592845	593223	378	109839	109948	109	120969	121066	97	121615	121722	107
11-Jan-19	Fri	593223	593593	370	109948	110026	78	121066	121133	67	121722	121800	78
12-Jan-19	Sat	593593	594237	644	110026	110106	80	121133	121203	70	121800	121878	78
13-Jan-19	Sun	594237	594600	363	110106	110190	84	121203	121290	87	121878	121960	82
14-Jan-19	Mon	594600	594963	363	110190	110250	60	121290	121368	78	121960	122063	103
15-Jan-19	Tue	594963	595719	756	110250	110388	138	121368	121452	84	122063	122157	94
16-Jan-19	Wed	595719	596118	399	110388	110466	78	121452	121520	68	122157	122235	78
17-Jan-19	Thu	596118	596599	481	110466	110526	60	121520	121606	86	122235	122329	94
18-Jan-19	Fri	596599	596979	380	110526	110661	135	121606	121696	90	122329	122430	101
19-Jan-19	Sat	596979	597229	250	110661	110751	90	121696	121777	81	122430	122521	91
20-Jan-19	Sun	597229	597479	250	110751	110846	95	121777	121865	88	122521	122616	95
21-Jan-19	Mon	597479	597729	250	110846	110875	29	121865	121888	23	122616	122645	29
22-Jan-19	Tue	597729	598559	830	110875	110934	59	121888	121945	57	122645	122709	64
23-Jan-19	Wed	598559	598755	196	110934	110972	38	121945	121976	31	122709	122747	38
24-Jan-19	Thu	598755	599043	288	110972	111026	54	121976	122021	45	122747	122799	52
25-Jan-19	Fri	599043	599338	295	111026	111102	76	122021	122086	65	122799	122873	74
26-Jan-19	Sat	599338	599623	285	111102	111224	122	122086	122198	112	122873	122995	122
27-Jan-19	Sun	599623	599908	285	111224	111316	92	122198	122282	84	122995	123088	93
28-Jan-19	Mon	599908	600800	892	111316	111436	120	122282	122393	111	123088	123209	121
29-Jan-19	Tue	600800	601480	680	111436	111559	123	122393	122509	116	123209	123333	124

30-Jan-19	Wed	601480	601990	510	111559	111663	104	122509	122604	95	123333	123439	106
31-Jan-19	Thu	601990	602500	510	111663	111766	103	122604	122694	90	123439	123543	104
1-Feb-19	Fri	602500	602900	400	111766	111802	36	122694	122730	36	123543	123573	30
2-Feb-19	Sat	602900	603202	302	111802	111842	40	122730	122754	24	123573	123613	40
3-Feb-19	Sun	603202	603672	470	111842	111884	42	122754	122789	35	123613	123651	38
4-Feb-19	Mon	603672	604236	564	111884	111996	112	122789	122894	105	123651	123759	108
5-Feb-19	Tue	604236	604746	510	111996	112080	84	122894	122967	73	123759	123843	84
6-Feb-19	Wed	604746	605202	456	112080	112150	70	122967	123044	77	123843	123928	85
7-Feb-19	Thu	605202	605258	56	112150	112191	41	123044	123064	20	123928	123953	25
8-Feb-19	Fri	605258	605500	242	112191	112312	121	123064	123178	114	123953	124076	123
9-Feb-19	Sat	605500	605800	300	112312	112440	128	123178	123308	130	124076	124205	129
10-Feb-19	Sun	605800	607143	1343	112440	112540	100	123308	123421	113	124205	124335	130
11-Feb-19	Mon	607143	607628	485	112540	112633	93	123421	123475	54	124335	124395	60
12-Feb-19	Tue	607628	608078	450	112633	112723	90	123475	123525	50	124395	124487	92
13-Feb-19	Wed	608078	608478	400	112723	112823	100	123525	123585	60	124487	124577	90
14-Feb-19	Thu	608478	608871	393	112823	112863	40	123585	123679	94	124577	124626	49
15-Feb-19	Fri	608871	609035	164	112863	112893	30	123679	123701	22	124626	124655	29
16-Feb-19	Sat	609035	609421	386	112893	112965	72	123701	123764	63	124655	124726	71
17-Feb-19	Sun	609421	610055	634	112965	113083	118	123764	123874	110	124726	124844	118
18-Feb-19	Mon	610055	610185	130	113083	113189	106	123874	123973	99	124844	124950	106
19-Feb-19	Tue	610185	610638	453	113189	113279	90	123973	124052	79	124950	125038	88
20-Feb-19	Wed	610638	611036	398	113279	113305	26	124052	124071	19	125038	125063	25
21-Feb-19	Thu	611036	611430	394	113305	113397	92	124071	124153	82	125063	125155	92
22-Feb-19	Fri	611430	612001	571	113397	113491	94	124153	124239	86	125155	125247	92
23-Feb-19	Sat	612001	612902	901	113491	113619	128	124239	124365	126	125247	125380	133
24-Feb-19	Sun	612902	613306	404	113619	113739	120	124365	124480	115	125380	125500	120
25-Feb-19	Mon	613306	613700	394	113739	113842	103	124480	124590	110	125500	125602	102
26-Feb-19	Tue	613700	614370	670	113842	113900	58	124590	124631	41	125602	125657	55
27-Feb-19	Wed	614370	614873	503	113900	113996	96	124631	124708	77	125657	125752	95
28-Feb-19	Thu	614873	615554	681	113996	114125	129	124708	124835	127	125752	125884	132
1-Mar-19	Fri	615554	616230	676	114125	114251	126	124835	124963	128	125884	126015	131
2-Mar-19	Sat	616230	616262	32	114251	114286	35	124963	125001	38	126015	126045	30
3-Mar-19	Sun	616262	616846	584	114286	114375	89	125001	125067	66	126045	126137	92
4-Mar-19	Mon	616846	617206	360	114375	114455	80	125067	125117	50	126137	126224	87
5-Mar-19	Tue	617206	617965	759	114455	114585	130	125117	125261	144	126224	126349	125
6-Mar-19	Wed	617965	618474	509	114585	114724	139	125261	125400	139	126349	126494	145
7-Mar-19	Thu	618474	618999	525	114724	114855	131	125400	125532	132	126494	126631	137
8-Mar-19	Fri	618999	620043	1044	114855	114971	116	125532	125645	113	126631	126752	121
9-Mar-19	Sat	620043	620714	671	114971	115098	127	125645	125767	122	126752	126879	127
10-Mar-19	Sun	620714	621371	657	115098	115232	134	125767	125900	133	126879	127019	140
11-Mar-19	Mon	621371	621635	264	115232	115335	103	125900	125998	98	127019	127125	106
12-Mar-19	Tue	621635	622364	729	115335	115429	94	125998	126083	85	127125	127219	94
13-Mar-19	Wed	622364	622643	279	115429	115479	50	126083	126122	39	127219	127269	50
14-Mar-19	Thu	622643	623000	357	115479	115547	68	126122	126179	57	127269	127335	66
15-Mar-19	Fri	623000	623709	709	115547	115688	141	126179	126313	134	127335	127475	140
16-Mar-19	Sat	623709	624416	707	115688	115814	126	126313	126432	119	127475	127601	126
17-Mar-19	Sun	624416	624900	484	115814	115943	129	126432	126556	124	127601	127731	130
18-Mar-19	Mon	624900	625400	500	115943	116050	107	126556	126700	144	127731	127868	137
19-Mar-19	Tue	625400	625925	525	116050	116207	157	126700	126813	113	127868	128000	132
20-Mar-19	Wed	625925	626857	932	116207	116332	125	126813	126928	115	128000	128124	124
21-Mar-19	Thu	626857	627801	944	116332	116451	119	126928	127073	145	128124	128242	118
22-Mar-19	Fri	627801	628530	729	116451	116590	139	127073	127171	98	128242	128384	142
23-Mar-19	Sat	628530	629246	716	116590	116725	135	127171	127300	129	128384	128521	137
24-Mar-19	Sun	629246	629907	661	116725	116850	125	127300	127418	118	128521	128647	126
25-Mar-19	Mon	629907	630494	587	116850	116961	111	127418	127521	103	128647	128760	113
26-Mar-19	Tue	630494	630996	502	116961	117066	105	127521	127622	101	128760	128873	113
27-Mar-19	Wed	630996	631492	496	117066	117169	103	127622	127723	101	128873	129027	154
28-Mar-19	Thu	631492	632503	1011	117169	117350	181	127723	127887	164	129027	129150	123
29-Mar-19	Fri	632503	633091	588	117350	117463	113	127887	127990	103	129150	129263	113
30-Mar-19	Sat	633091	633680	589	117463	117576	113	127990	128095	105	129263	129378	115
31-Mar-19	Sun	633680	634454	774	117576	117727	151	128095	128234	139	129378	129529	151
1-Apr-19	Mon	634454	635233	779	117727	117877	150	128234	128374	140	129529	129682	153
2-Apr-19	Tue	635233	635965	732	117877	118018	141	128374	128506	132	129682	129825	143
3-Apr-19	Wed	635965	636675	710	118018	118155	137	128506	128634	128	129825	129965	140
4-Apr-19	Thu	636675	637340	665	118155	118288	133	128634	128756	122	129965	130040	75
5-Apr-19	Fri	637340	637943	603	118288	118412	124	128756	128867	111	130040	130223	183

6-Apr-19	Sat	637943	638870	927	118412	118540	128	128867	128948	81	130223	130354	131
7-Apr-19	Sun	638870	639110	240	118540	118639	99	128948	129073	125	130354	130451	97
8-Apr-19	Mon	639110	639699	589	118639	118745	106	129073	129183	110	130451	130551	100
9-Apr-19	Tue	639699	640393	694	118745	118890	145	129183	129299	116	130551	130700	149
10-Apr-19	Wed	640393	641021	628	118890	119015	125	129299	129410	111	130700	130829	129
11-Apr-19	Thu	641021	641574	553	119015	119135	120	129410	129521	111	130829	130949	120
12-Apr-19	Fri	641574	642123	549	119135	119258	123	129521	129750	229	130949	131069	120
13-Apr-19	Sat	642123	642745	622	119258	119352	94	129750	129750	0	131069	131202	133
14-Apr-19	Sun	642745	643357	612	119352	119524	172	129750	129869	119	131202	131331	129
15-Apr-19	Mon	643357	643938	581	119524	119646	122	129869	129978	109	131331	131452	121
16-Apr-19	Tue	643938	644490	552	119646	119730	84	129978	130025	47	131452	131508	56
17-Apr-19	Wed	644490	644900	410	119730	119789	59	130025	130107	82	131508	131601	93
18-Apr-19	Thu	644900	645300	400	119789	119940	151	130107	130234	127	131601	131745	144
19-Apr-19	Fri	645300	645965	665	119940	120077	137	130234	130356	122	131745	131882	137
20-Apr-19	Sat	645965	646500	535	120077	120214	137	130356	130480	124	131882	132020	138
21-Apr-19	Sun	646500	647260	760	120214	120349	135	130480	130598	118	132020	132152	132
22-Apr-19	Mon	647260	647790	530	120349	120484	135	130598	130711	113	132152	132284	132
23-Apr-19	Tue	647790	648400	610	120484	120618	134	130711	130835	124	132284	132414	130
24-Apr-19	Wed	648400	649059	659	120618	120754	136	130835	130954	119	132414	132546	132
25-Apr-19	Thu	649059	649598	539	120754	120874	120	130954	131058	104	132546	132662	116
26-Apr-19	Fri	649598	650109	511	120874	121004	130	131058	131190	132	132662	132787	125
27-Apr-19	Sat	650109	650735	626	121004	121144	140	131190	131257	67	132787	132923	136
28-Apr-19	Sun	650735	651321	586	121144	121287	143	131257	131417	160	132923	133061	138
29-Apr-19	Mon	651321	651950	629	121287	121431	144	131417	131541	124	133061	133200	139
30-Apr-19	Tue	651950	652435	485	121431	121559	128	131541	131651	110	133200	133322	122
1-May-19	Wed	652435	652988	553	121559	121694	135	131651	131768	117	133322	133452	130
2-May-19	Thu	652988	653439	451	121694	121804	110	131768	131863	95	133452	133557	105
3-May-19	Fri	653439	653919	480	121804	121920	116	131863	131964	101	133557	133667	110
4-May-19	Sat	653919	654450	531	121920	122060	140	131964	132083	119	133667	133789	122
5-May-19	Sun	654450	655080	630	122060	122210	150	132083	132214	131	133789	133941	152
6-May-19	Mon	655080	655651	571	122210	122355	145	132214	132338	124	133941	134081	140
7-May-19	Tue	655651	656189	538	122355	122490	135	132338	132455	117	134081	134211	130
8-May-19	Wed	656189	656767	578	122490	122629	139	132455	132567	112	134211	134345	134
9-May-19	Thu	656767	657308	541	122629	122760	131	132567	132688	121	134345	134463	118
10-May-19	Fri	657308	657870	562	122760	122897	137	132688	132807	119	134463	134582	119
11-May-19	Sat	657870	658425	555	122897	123031	134	132807	132922	115	134582	134702	120
12-May-19	Sun	658425	658958	533	123031	123160	129	132922	133031	109	134702	134822	120
13-May-19	Mon	658958	659400	442	123160	123263	103	133031	133116	85	134822	134916	94
14-May-19	Tue	659400	659945	545	123263	123400	137	133116	133225	109	134916	135043	127
15-May-19	Wed	659945	660450	505	123400	123522	122	133225	133342	117	135043	135153	110
16-May-19	Thu	660450	661033	583	123522	123639	117	133342	133452	110	135153	135276	123
17-May-19	Fri	661033	661983	950	123639	123769	130	133452	133555	103	135276	135326	50
18-May-19	Sat	661983	662183	200	123769	123894	125	133555	133687	132	135326	135513	187
19-May-19	Sun	662183	662373	190	123894	124070	176	133687	133815	128	135513	135656	143
20-May-19	Mon	662373	662508	135	124070	124201	131	133815	133929	114	135656	135783	127
21-May-19	Tue	662508	663870	1362	124201	124320	119	133929	134032	103	135783	135897	114
22-May-19	Wed	663870	664284	414	124320	124416	96	134032	134112	80	135897	135989	92
23-May-19	Thu	664284	664401	117	124416	124517	101	134112	134199	87	135989	136088	99
24-May-19	Fri	664401	665315	914	124517	124654	137	134199	134315	116	136088	136219	131
25-May-19	Sat	665315	665980	665	124654	124808	154	134315	134448	133	136219	136367	148
26-May-19	Sun	665980	666614	634	124808	124956	148	134448	134577	129	136367	136510	143
27-May-19	Mon	666614	667207	593	124956	125094	138	134577	134696	119	136510	136642	132
28-May-19	Tue	667207	667831	624	125094	125242	148	134696	134823	127	136642	136784	142
29-May-19	Wed	667831	668430	599	125242	125396	154	134823	134948	125	136784	136924	140
30-May-19	Thu	668430	669032	602	125396	125522	126	134948	135066	118	136924	137044	120
31-May-19	Fri	669032	669612	580	125522	125659	137	135066	135183	117	137044	137161	117
1-Jun-19	Sat	669612	670176	564	125659	125792	133	135183	135298	115	137161	137277	116
2-Jun-19	Sun	670176	670719	543	125792	125919	127	135298	135408	110	137277	137393	116
3-Jun-19	Mon	670719	671258	539	125919	126040	121	135408	135510	102	137393	137503	110
4-Jun-19	Tue	671258	671788	530	126040	126158	118	135510	135614	104	137503	137610	107
5-Jun-19	Wed	671788	672268	480	126158	126245	87	135614	135712	98	137610	137734	124
6-Jun-19	Thu	672268	672826	558	126245	126383	138	135712	135822	110	137734	137860	126
7-Jun-19	Fri	672826	673381	555	126383	126527	144	135822	135929	107	137860	137989	129
8-Jun-19	Sat	673381	673982	601	126527	126664	137	135929	136046	117	137989	138122	133
9-Jun-19	Sun	673982	674578	596	126664	126794	130	136046	136159	113	138122	138247	125
10-Jun-19	Mon	674578	675100	522	126794	126915	121	136159	136270	111	138247	138360	113

11-Jun-19	Tue	675100	675587	487	126915	127029	114	136270	136363	93	138360	138472	112
12-Jun-19	Wed	675587	676010	423	127029	127154	125	136363	136472	109	138472	138594	122
13-Jun-19	Thu	676010	676437	427	127154	127284	130	136472	136584	112	138594	138719	125
14-Jun-19	Fri	676437	677377	940	127284	127427	143	136584	136691	107	138719	138855	136
15-Jun-19	Sat	677377	677907	530	127427	127548	121	136691	136811	120	138855	138971	116
16-Jun-19	Sun	677907	678150	243	127548	127629	81	136811	136878	67	138971	139050	79
17-Jun-19	Mon	678150	678478	328	127629	127678	49	136878	136916	38	139050	139098	48
18-Jun-19	Tue	678478	678924	446	127678	127779	101	136916	137001	85	139098	139196	98
19-Jun-19	Wed	678924	679200	276	127779	127871	92	137001	137106	105	139196	139292	96
20-Jun-19	Thu	679200	680135	935	127871	127963	92	137106	137209	103	139292	139431	139
21-Jun-19	Fri	680135	680997	862	127963	128140	177	137209	137316	107	139431	139553	122
22-Jun-19	Sat	680997	681477	480	128140	128272	132	137316	137493	177	139553	139676	123
23-Jun-19	Sun	681477	682059	582	128272	125659	0	137493	137566	73	139676	139782	106
24-Jun-19	Mon	682059	682592	533	125659	128481	2822	137566	137603	37	139782	139881	99
25-Jun-19	Tue	682592	683266	674	128481	128607	126	137603	137711	108	139881	140005	124
26-Jun-19	Wed	683266	683981	715	128607	128739	132	137711	137825	114	140005	140137	132
27-Jun-19	Thu	683981	684690	709	128739	128868	129	137825	137926	101	140137	140254	117
28-Jun-19	Fri	684690	685208	518	128868	128934	66	137926	138045	119	140254	140358	104
29-Jun-19	Sat	685208	685903	695	128934	129095	161	138045	138127	82	140358	140486	128
30-Jun-19	Sun	685903	686005	102	129095	129262	167	138127	138231	104	140486	140605	119
1-Jul-19	Mon	686005	687186	1181	129262	129341	79	138231	138336	105	140605	140725	120
2-Jul-19	Tue	687186	687797	611	129341	129468	127	138336	138445	109	140725	140848	123
3-Jul-19	Wed	687797	688385	588	129468	129579	111	138445	138539	94	140848	140955	107
4-Jul-19	Thu	688385	688729	344	129579	129645	66	138539	138593	54	140955	141018	63
5-Jul-19	Fri	688729	689132	403	129645	129718	73	138593	138654	61	141018	141089	71
6-Jul-19	Sat	689132	689612	480	129718	129807	89	138654	138730	76	141089	141178	89
7-Jul-19	Sun	689612	689998	386	129807	129941	134	138730	138845	115	141178	141310	132
8-Jul-19	Mon	689998	690343	345	129941	130071	130	138845	138951	106	141310	141439	129
9-Jul-19	Tue	690343	690945	602	130071	130203	132	138951	139084	133	141439	141570	131
10-Jul-19	Wed	690945	691864	919	130203	130265	62	139084	139116	32	141570	141630	60
11-Jul-19	Thu	691864	692598	734	130265	130380	115	139116	139218	102	141630	141738	108
12-Jul-19	Fri	692598	693268	670	130380	130489	109	139218	139304	86	141738	141850	112
13-Jul-19	Sat	693268	693930	662	130489	130613	124	139304	139409	0	141850	141972	122
14-Jul-19	Sun	693930	694559	629	130613	130732	119	139409	139509	100	141972	142088	116
15-Jul-19	Mon	694559	694937	378	130732	130802	70	139509	139565	56	142088	142157	69
16-Jul-19	Tue	694937	695197	260	130802	130887	85	139565	139633	68	142157	142239	82
17-Jul-19	Wed	695197	695865	668	130887	130976	89	139633	139705	72	142239	142327	88
18-Jul-19	Thu	695865	696261	396	130976	131086	110	139705	139807	102	142327	142430	103
19-Jul-19	Fri	696261	696344	83	131086	131134	48	139807	139826	19	142430	142487	57
20-Jul-19	Sat	696344	697087	743	131134	131206	72	139826	139900	74	142487	142561	74
21-Jul-19	Sun	697087	697626	539	131206	131310	104	139900	139986	86	142561	142663	102
22-Jul-19	Mon	697626	697999	373	131310	131560	250	139986	140231	245	142663	142890	227
23-Jul-19	Tue	697999	698895	896	131560	131596	36	140231	140248	17	142890	142902	12
24-Jul-19	Wed	698895	699367	472	131596	131643	47	140248	140265	17	142902	142991	89
25-Jul-19	Thu	699367	699801	434	131643	131692	49	140265	140290	25	142991	143021	30
26-Jul-19	Fri	699801	699850	49	131692	131732	40	140290	140351	61	143021	143068	47
27-Jul-19	Sat	699850	699891	41	131732	131795	63	140351	140386	35	143068	143112	44
28-Jul-19	Sun	699891	700560	669	131795	131885	90	140386	140460	74	143112	143112	0
29-Jul-19	Mon	700560	701191	631	131885	131986	101	140460	140541	81	143112	143336	224
30-Jul-19	Tue	701191	701746	555	131986	132092	106	140541	140627	86	143336	143440	104
31-Jul-19	Wed	701746	702342	596	132092	132200	108	140627	140700	73	143440	143523	83
1-Aug-19	Thu	702342	702842	500	132200	132300	100	140700	140810	110	143523	143610	87
2-Aug-19	Fri	702842	702920	78	132300	132367	67	140810	140848	38	143610	143712	102
3-Aug-19	Sat	702920	703639	719	132367	132452	85	140848	140916	68	143712	143802	90
4-Aug-19	Sun	703639	703980	341	132452	132551	99	140916	140996	80	143802	143891	89
5-Aug-19	Mon	703980	704022	42	132551	132637	86	140996	141065	69	143891	143976	85
6-Aug-19	Tue	704022	704763	741	132637	132682	45	141065	141098	33	143976	144042	66
7-Aug-19	Wed	704763	705505	742	132682	132757	75	141098	141165	67	144042	144094	52
8-Aug-19	Thu	705505	705912	407	132757	132890	133	141165	141264	99	144094	144225	131
9-Aug-19	Fri	705912	706392	480	132890	132979	89	141264	141337	73	144225	144313	88
10-Aug-19	Sat	706392	706913	521	132979	133078	99	141337	141415	78	144313	144411	98
11-Aug-19	Sun	706913	707460	547	133078	133191	113	141415	141503	88	144411	144507	96
12-Aug-19	Mon	707460	708013	553	133191	133314	123	141503	141617	114	144507	144614	107
13-Aug-19	Tue	708013	708558	545	133314	133430	116	141617	141731	114	144614	144719	105
14-Aug-19	Wed	708558	709110	552	133430	133491	61	141731	141744	13	144719	144830	111
15-Aug-19	Thu	709110	709586	476	133491	133594	103	141744	141846	102	144830	144929	99

16-Aug-19	Fri	709586	710005	419	133594	133671	77	141846	141886	40	144929	144990	61
17-Aug-19	Sat	710005	710312	307	133671	133703	32	141886	141908	22	144990	145017	27
18-Aug-19	Sun	710312	710401	89	133703	133808	105	141908	141986	78	145017	145718	701
19-Aug-19	Mon	710401	711167	766	133808	133947	139	141986	142105	119	145718	145255	0
20-Aug-19	Tue	711167	711476	309	133947	134098	151	142105	142229	124	145255	145405	150
21-Aug-19	Wed	711476	711871	395	134098	134352	254	142229	142440	211	145405	145640	235
22-Aug-19	Thu	711871	711993	122	134352	134487	135	142440	142578	138	145640	145756	116
23-Aug-19	Fri	711993	712085	92	134487	134502	15	142578	142064	0	145756	145802	46
24-Aug-19	Sat	712085	714735	2650	134502	134597	95	142064	142639	575	145802	145896	94
25-Aug-19	Sun	714735	715151	416	134597	134675	78	142639	142699	60	145896	145973	77
26-Aug-19	Mon	715151	715797	646	134675	134800	125	142699	142804	105	145973	146099	126
27-Aug-19	Tue	715797	716385	588	134800	134917	117	142804	142901	97	146099	146214	115
28-Aug-19	Wed	716385	716658	273	134917	135094	177	142901	143007	106	146214	146341	127
29-Aug-19	Thu	716658	717645	987	135094	135169	75	143007	143110	103	146341	146463	122
30-Aug-19	Fri	717645	718000	355	135169	135269	100	143110	143210	100	146463	146663	200
31-Aug-19	Sat	718000	718682	682	135269	135374	105	143210	143210	0	146663	146667	4
1-Sep-19	Sun	718682	718982	300	135374	135439	65	143210	143328	118	146667	146730	63
2-Sep-19	Mon	718982	719397	415	135439	135521	82	143328	143394	66	146730	146811	81
3-Sep-19	Tue	719397	719868	471	135521	135603	82	143394	143461	67	146811	146890	79
4-Sep-19	Wed	719868	720092	224	135603	135656	53	143461	143501	40	146890	146950	60
5-Sep-19	Thu	718682	720380	1698	135656	135763	107	143501	143623	122	146950	147045	95
6-Sep-19	Fri	718682	720519	1837	135763	135845	82	143623	143657	34	147045	147083	38
7-Sep-19	Sat	718682	720682	2000	135845	135922	77	143657	143719	62	147083	147218	135
8-Sep-19	Sun	720682	720682	0	135922	136017	95	143719	143796	77	147218	147381	163
9-Sep-19	Mon	720682	722432	1750	136017	136122	105	143796	143884	88	147381	147417	36
10-Sep-19	Tue	722432	725069	2637	136122	136227	105	143884	143972	88	147417	147519	102
11-Sep-19	Wed	725069	725069	0	136227	136339	112	143972	143972	0	147519	147628	109
12-Sep-19	Thu	725069	727069	2000	136339	136426	87	143972	143972	0	147628	147716	88
13-Sep-19	Fri	727069	728682	1613	136426	136536	110	143972	143972	0	147716	147827	111
14-Sep-19	Sat	728682	728682	0	136536	136638	102	143972	143972	0	147827	147927	100
15-Sep-19	Sun	728682	718682	0	136638	136725	87	143972	144378	406	147927	148011	84
16-Sep-19	Mon	718682	726108	7426	136725	136839	114	144378	144474	96	148011	148200	189
17-Sep-19	Tue	726108	726651	543	136839	136944	105	144474	144560	86	148200	148227	27
18-Sep-19	Wed	726651	727283	632	136944	137061	117	144560	144661	101	148227	148345	118
19-Sep-19	Thu	727283	727931	648	137061	137212	151	144661	144768	107	148345	148475	130
20-Sep-19	Fri	727931	728294	363	137212	137253	41	144768	144820	52	148475	148535	60
21-Sep-19	Sat	728294	728795	501	137253	137335	82	144820	144911	91	148535	148623	88
22-Sep-19	Sun	728795	729101	306	137335	137406	71	144911	144944	33	148623	148687	64
23-Sep-19	Mon	729101	729410	309	137406	137488	82	144944	145033	89	148687	148771	84
24-Sep-19	Tue	729410	729818	408	137488	137582	94	145033	145086	53	148771	148860	89
25-Sep-19	Wed	729818	730607	789	137582	137690	108	145086	145183	97	148860	148972	112
26-Sep-19	Thu	730607	731079	472	137690	137779	89	145183	145256	73	148972	149046	74
27-Sep-19	Fri	731079	731402	323	137779	137840	61	145256	145303	47	149046	149119	73
28-Sep-19	Sat	731402	731800	398	137840	137934	94	145303	145385	82	149119	149203	84
29-Sep-19	Sun	731800	732275	475	137934	138007	73	145385	145445	60	149203	149292	89
30-Sep-19	Mon	732275	732743	468	138007	138104	97	145445	145529	84	149292	149391	99
1-Oct-19	Tue	732743	733364	621	138104	138210	106	145529	145623	94	149391	149523	132
2-Oct-19	Wed	733364	733942	578	138210	138321	111	145623	145716	93	149523	149610	87
3-Oct-19	Thu	733942	734360	418	138321	138426	105	145716	145809	93	149610	149712	102
4-Oct-19	Fri	734360	735076	716	138426	138531	105	145809	145898	89	149712	149813	101
5-Oct-19	Sat	735076	735746	670	138531	138655	124	145898	146011	113	149813	149936	123
6-Oct-19	Sun	735746	736372	626	138655	138771	116	146011	146114	103	149936	150047	111
7-Oct-19	Mon	736372	736630	258	138771	138871	100	146114	146198	84	150047	150142	95
8-Oct-19	Tue	736630	736970	340	138871	138995	124	146198	146311	113	150142	150269	127
9-Oct-19	Wed	736970	738199	1229	138995	139110	115	146311	146415	104	150269	150388	119
10-Oct-19	Thu	738199	738772	573	139110	139216	106	146415	146508	93	150388	150497	109
11-Oct-19	Fri	738772	739367	595	139216	139327	111	146508	146608	100	150497	150611	114
12-Oct-19	Sat	739367	739951	584	139327	139434	107	146608	146709	101	150611	150793	182
13-Oct-19	Sun	739951	740407	456	139434	139532	98	146709	146786	77	150793	150819	26
14-Oct-19	Mon	740407	740989	582	139532	139634	102	146786	146871	85	150819	150921	102
15-Oct-19	Tue	740989	741512	523	139634	139733	99	146871	146959	88	150921	151021	100
16-Oct-19	Wed	741512	741963	451	139733	139820	87	146959	147032	73	151021	151108	87
17-Oct-19	Thu	741963	742409	446	139820	139905	85	147032	147102	70	151108	151193	85
18-Oct-19	Fri	742409	742856	447	139905	139989	84	147102	147173	71	151193	151259	66
19-Oct-19	Sat	742856	743331	475	139989	140079	90	147173	147249	76	151259	151366	107
20-Oct-19	Sun	743331	743702	371	140079	140183	104	147249	147340	91	151366	151470	104

21-Oct-19	Mon	743702	744311	609	140183	140285	102	147340	147428	88	151470	151573	103
22-Oct-19	Tue	744311	744873	562	140285	140374	89	147428	147506	78	151573	151678	105
23-Oct-19	Wed	744873	745411	538	140374	140477	103	147506	147596	90	151678	151738	60
24-Oct-19	Thu	745411	745884	473	140477	140568	91	147596	147673	77	151738	151861	123
25-Oct-19	Fri	745884	746331	447	140568	140654	86	147673	147746	73	151861	151948	87
26-Oct-19	Sat	746331	746752	421	140654	140735	81	147746	147813	67	151948	152031	83
27-Oct-19	Sun	746752	747173	421	140735	140818	83	147813	147882	69	152031	152114	83
28-Oct-19	Mon	747173	747502	329	140818	140883	65	147882	147932	50	152114	152179	65
29-Oct-19	Tue	747502	747812	310	140883	140925	42	147932	147962	30	152179	152221	42
30-Oct-19	Wed	747812	748210	398	140925	140983	58	147962	148005	43	152221	152277	56
31-Oct-19	Thu	748210	748435	225	140983	141068	85	148005	148077	72	152277	152362	85
1-Nov-19	Fri	748435	748610	175	141068	141139	71	148077	148135	58	152362	152432	70
2-Nov-19	Sat	748610	748940	330	141139	141177	38	148135	148161	26	152432	152468	36
3-Nov-19	Sun	748940	749124	184	141177	141206	29	148161	148181	20	152468	152496	28
4-Nov-19	Mon	749124	749360	236	141206	141260	54	148181	148222	41	152496	152550	54
5-Nov-19	Tue	749360	749843	483	141260	141355	95	148222	148304	82	152550	152646	96
6-Nov-19	Wed	749843	750337	494	141355	141441	86	148304	148377	73	152646	152729	83
7-Nov-19	Thu	750337	750503	166	141441	141530	89	148377	148452	75	152729	152810	81
8-Nov-19	Fri	750503	750686	183	141530	141545	15	148452	148573	121	152810	152870	60
9-Nov-19	Sat	750686	750725	39	141545	141651	106	148573	148547	0	152870	152933	63
10-Nov-19	Sun	750725	751907	1182	141651	141743	92	148547	148623	76	152933	153023	90
11-Nov-19	Mon	751907	752346	439	141743	141825	82	148623	148689	66	153023	153104	81
12-Nov-19	Tue	752346	752788	442	141825	141901	76	148689	148749	60	153104	153177	73
13-Nov-19	Wed	752788	753055	267	141901	141965	64	148749	148791	42	153177	153239	62
14-Nov-19	Thu	753055	753308	253	141965	142014	49	148791	148831	40	153239	153286	47
15-Nov-19	Fri	753308	753604	296	142014	142058	44	148831	148885	54	153286	153328	42
16-Nov-19	Sat	753604	754154	550	142058	142173	115	148885	148959	74	153328	153440	112
17-Nov-19	Sun	754154	754684	530	142173	142245	72	148959	149077	118	153440	153520	80
18-Nov-19	Mon	754684	755221	537	142245	142374	129	149077	149127	50	153520	153642	122
19-Nov-19	Tue	755221	755737	516	142374	142471	97	149127	149209	82	153642	153729	87
20-Nov-19	Wed	755737	756210	473	142471	142564	93	149209	149284	75	153729	153798	69
21-Nov-19	Thu	756210	756578	368	142564	142638	74	149284	149345	61	153798	153903	105
22-Nov-19	Fri	756578	756989	411	142638	142726	88	149345	149410	65	153903	154004	101
23-Nov-19	Sat	756989	757082	93	142726	142754	28	149410	149450	40	154004	154037	33
24-Nov-19	Sun	757082	757582	500	142754	142834	80	149450	149496	46	154037	154095	58
25-Nov-19	Mon	757582	757936	354	142834	142902	68	149496	149550	54	154095	154164	69
26-Nov-19	Tue	757936	758141	205	142902	142961	59	149550	149612	62	154164	154222	58
27-Nov-19	Wed	758141	758438	297	142961	142998	37	149612	149642	30	154222	154257	35
28-Nov-19	Thu	758438	758733	295	142998	143052	54	149642	149660	18	154257	154311	54
29-Nov-19	Fri	758733	759112	379	143052	143132	80	149660	149720	60	154311	154386	75
30-Nov-19	Sat	759112	759278	166	143132	143258	126	149720	149757	37	154386	154434	48
1-Dec-19	Sun	759278	759864	586	143258	143280	22	149757	149848	91	154434	154534	100
2-Dec-19	Mon	759864	760384	520	143280	143385	105	149848	149929	81	154534	154637	103
3-Dec-19	Tue	760384	760929	545	143385	143494	109	149929	150019	90	154637	154745	108
4-Dec-19	Wed	760929	761398	469	143494	143587	93	150019	150096	77	154745	154840	95
5-Dec-19	Thu	761398	761802	404	143587	143679	92	150096	150170	74	154840	154935	95
6-Dec-19	Fri	761802	759366	0	143679	143756	77	150170	150231	61	154935	155013	78
7-Dec-19	Sat	759366	759366	0	143756	143838	82	150231	150296	65	155013	155096	83
8-Dec-19	Sun	759366	759366	0	143838	143914	76	150296	150355	59	155096	155174	78
9-Dec-19	Mon	759366	763464	4098	143914	143994	80	150355	150437	82	155174	155259	85
10-Dec-19	Tue	763464	763886	422	143994	144077	83	150437	150485	48	155259	155340	81
11-Dec-19	Wed	763886	764152	266	144077	144131	54	150485	150525	40	155340	155395	55
12-Dec-19	Thu	764152	764344	192	144131	144169	38	150525	150551	26	155395	155427	32
13-Dec-19	Fri	764344	764400	56	144169	144179	10	150551	150559	8	155427	155444	17
14-Dec-19	Sat	764400	764775	375	144179	144253	74	150559	150614	55	155444	155514	70
15-Dec-19	Sun	764775	765103	328	144253	144313	60	150614	150659	45	155514	155574	60
16-Dec-19	Mon	765103	765228	125	144313	144337	24	150659	150673	14	155574	155592	18
17-Dec-19	Tue	765228	765360	132	144337	144359	22	150673	150686	13	155592	155617	25
18-Dec-19	Wed	765360	765493	133	144359	144418	59	150686	150733	47	155617	155674	57
19-Dec-19	Thu	765493	765918	425	144418	144471	53	150733	150771	38	155674	155724	50
20-Dec-19	Fri	765918	765982	64	144471	144489	18	150771	150781	10	155724	155741	17
21-Dec-19	Sat	765982	766213	231	144489	144545	56	150781	150814	33	155741	155783	42
22-Dec-19	Sun	766213	766447	234	144545	144580	35	150814	150852	38	155783	155827	44
23-Dec-19	Mon	766447	766660	213	144580	144617	37	150852	150890	38	155827	155860	33
24-Dec-19	Tue	766660	766885	225	144617	144666	49	150890	150937	47	155860	155910	50
25-Dec-19	Wed	766885	767064	179	144666	144700	34	150937	150938	1	155910	155943	33

26-Dec-19	Thu	767064	767347	283	144700	144753	53	150938	150938	0	155943	155943	0
27-Dec-19	Fri	767347	767718	371	144753	144823	70	150938	151035	97	155943	156062	119
28-Dec-19	Sat	767718	768010	292	144823	144896	73	151035	151056	21	156062	156091	29
29-Dec-19	Sun	768010	768163	153	144896	144966	70	151056	151091	35	156091	156120	29
30-Dec-19	Mon	768163	768213	50	144966	144975	9	151091	151110	19	156120	156158	38
31-Dec-19	Tue	768213	768491	278	144975	144981	6	151110	151147	37	156158	156171	13
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2-Jan-20	Thu	768026	768072	46	144987	145101	114	151154	151249	95	156185	156310	125
3-Jan-20	Fri	768072	768189	117	145101	145223	122	151249	151336	87	156310	156448	138
4-Jan-20	Sat	768189	768498	309	145223	145300	77	151336	151413	77	156448	156526	78
5-Jan-20	Sun	768498	768688	190	145300	145377	77	151413	151461	48	156526	156606	80
6-Jan-20	Mon	768688	769098	410	145377	145428	51	151461	151497	36	156606	156655	49
7-Jan-20	Tue	769098	769318	220	145428	145467	39	151497	151524	27	156655	156692	37
8-Jan-20	Wed	769318	769711	393	145467	145470	3	151524	151527	3	156692	156698	6
9-Jan-20	Thu	769711	770398	687	145470	145523	53	151527	151565	38	156698	156746	48
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11-Jan-20	Sat	770978	771588	610	145616	145749	133	151659	151752	93	156859	156967	108
12-Jan-20	Sun	771588	772287	699	145749	145850	101	151752	151843	91	156967	157076	109
13-Jan-20	Mon	772287	772867	580	145850	145969	119	151843	151876	33	157076	157168	92
14-Jan-20	Tue	772867	773513	646	145969	145969	0	151876	151919	43	157168	157175	7
15-Jan-20	Wed	773513	773815	302	145969	146022	53	151919	151964	45	157175	157233	58
16-Jan-20	Thu	773815	774018	203	146022	146044	22	151964	151977	13	157233	157253	20
17-Jan-20	Fri	774018	774153	135	146044	146091	47	151977	152016	39	157253	157306	53
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19-Jan-20	Sun	774202	774393	191	146118	146215	97	152040	152113	73	157339	157425	86
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21-Jan-20	Tue	775048	775196	148	146263	146301	38	152148	152196	48	157462	157542	80
22-Jan-20	Wed	775196	775850	654	146301	146420	119	152196	152271	75	157542	157598	56
23-Jan-20	Thu	775850	776484	634	146420	146541	121	152271	152376	105	157598	157734	136
24-Jan-20	Fri	776484	777137	653	146541	146662	121	152376	152481	105	157734	157854	120
25-Jan-20	Sat	777137	777580	443	146662	146777	115	152481	152579	98	157854	157969	115
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31-Jan-20	Fri	779919	780229	310	147269	147380	111	152991	153104	113	158455	158575	120
1-Feb-20	Sat	780229	780780	551	147380	147489	109	153104	153188	84	158575	158680	105
2-Feb-20	Sun	780780	781481	701	147489	147604	115	153188	153290	102	158680	158805	125
3-Feb-20	Mon	781481	782168	687	147604	147702	98	153290	153397	107	158805	158926	121
4-Feb-20	Tue	782168	782889	721	147702	147846	144	153397	153484	87	158926	159028	102
5-Feb-20	Wed	782889	783532	643	147846	147952	106	153484	153573	89	159028	159133	105
6-Feb-20	Thu	783532	784159	627	147952	148067	115	153573	153676	103	159133	159251	118
7-Feb-20	Fri	784159	784739	580	148067	148165	98	153676	153765	89	159251	159353	102
8-Feb-20	Sat	784739	785259	520	148165	148287	122	153765	153860	95	159353	159462	109
9-Feb-20	Sun	785259	785890	631	148287	148400	113	153860	153958	98	159462	159574	112
10-Feb-20	Mon	785890	786469	579	148400	148510	110	153958	154053	95	159574	159682	108
11-Feb-20	Tue	786469	787034	565	148510	148621	111	154053	154146	93	159682	159789	107
12-Feb-20	Wed	787034	787612	578	148621	148699	78	154146	154251	105	159789	159898	109
13-Feb-20	Thu	787612	788390	778	148699	148804	105	154251	154350	99	159898	160017	119
14-Feb-20	Fri	788390	788898	508	148804	148970	166	154350	154462	112	160017	160143	126
15-Feb-20	Sat	788898	789460	562	148970	149096	126	154462	154579	117	160143	160272	129
16-Feb-20	Sun	789460	789958	498	149096	149198	102	154579	154682	103	160272	160406	134
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26-Feb-20	Wed	794943	795544	601	150112	150254	142	155482	155584	102	161305	161419	114
27-Feb-20	Thu	795544	796086	542	150254	150358	104	155584	155672	88	161419	161522	103
28-Feb-20	Fri	796086	796549	463	150358	150452	94	155672	155745	73	161522	161606	84
29-Feb-20	Sat	796549	797031	482	150452	150537	85	155745	155824	79	161606	161696	90

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2-Mar-20	Mon	797617	798031	414	150621	150723	102	155907	156015	108	161809	161919	110
3-Mar-20	Tue	798031	798658	627	150723	150870	147	156015	156119	104	161919	162037	118
4-Mar-20	Wed	798658	799201	543	150870	150976	106	156119	156203	84	162037	162135	98
5-Mar-20	Thu	799201	799618	417	150976	151069	93	156203	156280	77	162135	162226	91
6-Mar-20	Fri	799618	799976	358	151069	151158	89	156280	156351	71	162226	162309	83
7-Mar-20	Sat	799976	800472	496	151158	151258	100	156351	156447	96	162309	162421	112
8-Mar-20	Sun	800472	801010	538	151258	151393	135	156447	156573	126	162421	162563	142
9-Mar-20	Mon	801010	801768	758	151393	151486	93	156573	156704	131	162563	162712	149
10-Mar-20	Tue	801768	802251	483	151486	151646	160	156704	156801	97	162712	162825	113
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13-Mar-20	Fri	803518	804197	679	151900	152024	124	157031	157142	111	163087	163215	128
14-Mar-20	Sat	804197	804783	586	152024	152125	101	157142	157236	94	163215	163324	109
15-Mar-20	Sun	804783	805350	567	152125	152237	112	157236	157325	89	163324	163429	105
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28-Mar-20	Sat	812334	812792	458	153450	153597	147	158432	158513	81	164717	164867	150
29-Mar-20	Sun	812792	813243	451	153597	153750	153	158513	158609	96	164867	165008	141
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31-Mar-20	Tue	813711	814155	444	153900	154044	144	158699	158791	92	165079	165168	89
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3-Apr-20	Fri	814867	815130	263	154272	154426	154	159087	159225	138	165385	165498	113
4-Apr-20	Sat	815130	815386	256	154426	154508	82	159225	159378	153	165498	165745	247
5-Apr-20	Sun	815386	815934	548	154508	154633	125	159378	159484	106	165745	165914	169
6-Apr-20	Mon	815934	816519	585	154633	154767	134	159484	159598	114	165914	166042	128
7-Apr-20	Tue	816519	817152	633	154767	154912	145	159598	159722	124	166042	166175	133
8-Apr-20	Wed	817152	817794	642	154912	155060	148	159722	159847	125	166175	166313	138
9-Apr-20	Thu	817794	818296	502	155060	155195	135	159847	159963	116	166313	166443	130
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12-Apr-20	Sun	819275	819838	563	155461	155605	144	160188	160310	122	166690	166824	134
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16-Apr-20	Thu	821190	821677	487	155973	156105	132	160612	160722	110	167175	167302	127
17-Apr-20	Fri	821677	822141	464	156105	156233	128	160722	160826	104	167302	167423	121
18-Apr-20	Sat	822141	822613	472	156233	156352	119	160826	160926	100	167423	167541	118
19-Apr-20	Sun	822613	823099	486	156352	156492	140	160926	161043	117	167541	167677	136
20-Apr-20	Mon	823099	823290	191	156492	156544	52	161043	161080	37	167677	167724	47
21-Apr-20	Tue	823290	823742	452	156544	156667	123	161080	161182	102	167724	167843	119
22-Apr-20	Wed	823742	824195	453	156667	156792	125	161182	161305	123	167843	167968	125
23-Apr-20	Thu	824195	824578	383	156792	156899	107	161305	161373	68	167968	168066	98
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25-Apr-20	Sat	825091	825528	437	157038	157158	120	161488	161583	95	168198	168310	112
26-Apr-20	Sun	825528	825917	389	157158	157240	82	161583	161649	66	168310	168389	79
27-Apr-20	Mon	825917	826355	438	157240	157385	145	161649	161767	118	168389	168527	138
28-Apr-20	Tue	826355	826841	486	157385	157519	134	161767	161875	108	168527	168652	125
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2-May-20	Sat	828387	828880	493	157921	158059	138	162197	162313	116	169027	169151	124
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4-May-20	Mon	829280	829850	570	158155	158302	147	162390	162510	120	169233	169387	154
5-May-20	Tue	829850	830370	520	158302	158437	135	162510	162618	108	169387	169513	126

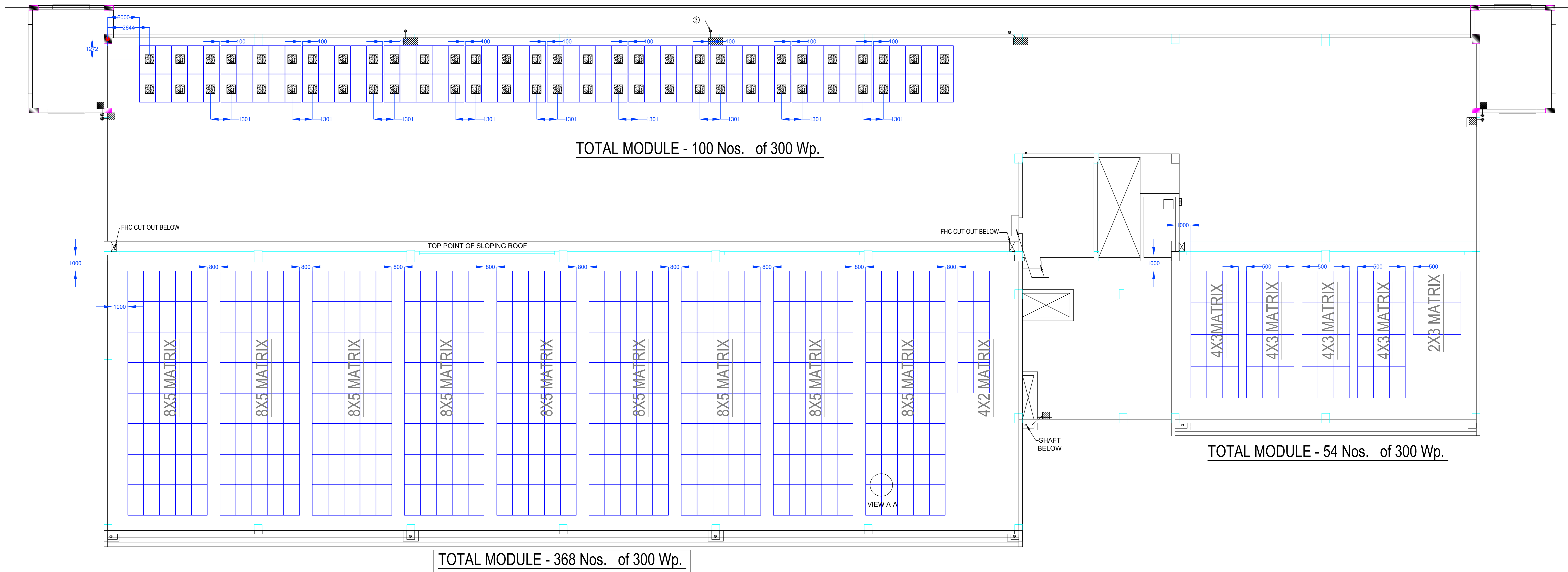
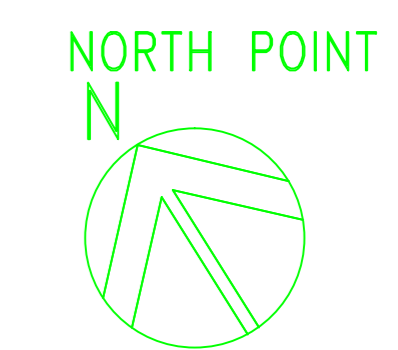
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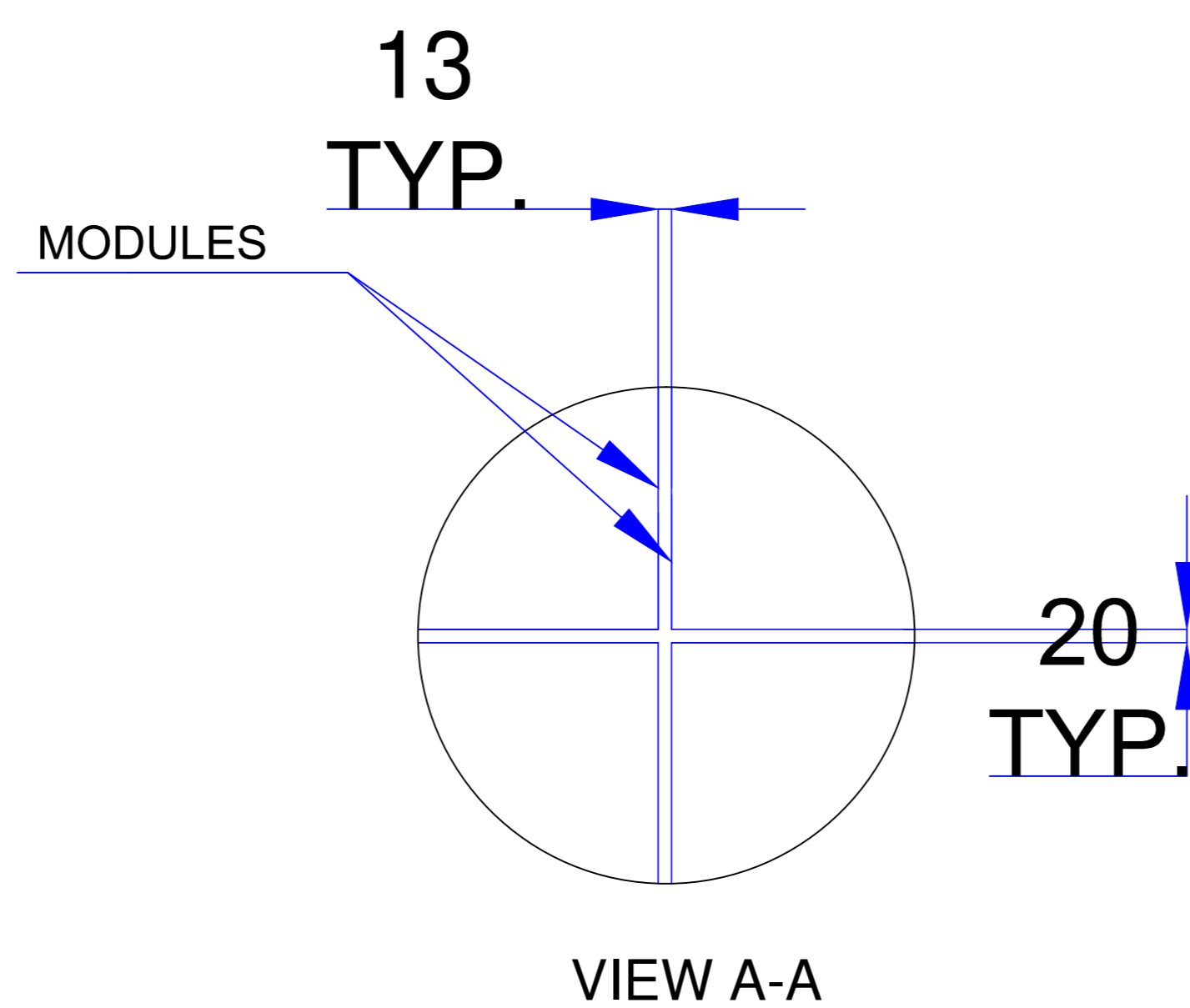
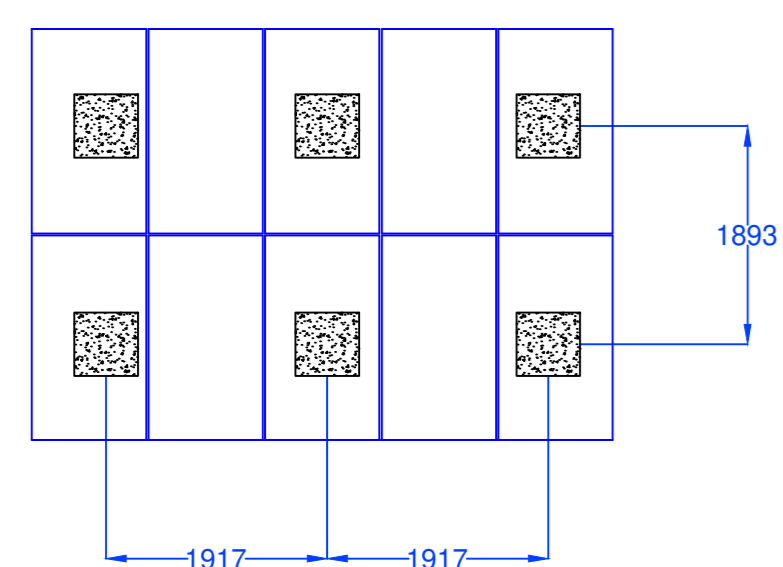
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21-Oct-20	Wed	908431	908725	294	175986	176076	90	177400	177474	74	187638	187747	109
22-Oct-20	Thu	908725	908975	250	176076	176154	78	177474	177534	60	187638	187824	186
23-Oct-20	Fri	908975	909236	261	176154	176235	81	177534	177599	65	187824	187906	82
24-Oct-20	Sat	909236	909527	291	176235	176326	91	177599	177647	48	187906	187990	84
25-Oct-20	Sun	909527	909803	276	176326	176411	85	177647	177744	97	187990	188100	110
26-Oct-20	Mon	909803	910087	284	176411	176480	69	177744	177816	72	188100	188188	88
27-Oct-20	Tue	910087	910384	297	176480	176560	80	177816	177904	88	188188	188277	89
28-Oct-20	Wed	910384	910599	215	176560	176657	97	177904	177942	38	188277	188319	42
29-Oct-20	Thu	910599	910801	202	176657	176736	79	177942	177993	51	188319	188390	71
30-Oct-20	Fri	910801	911106	305	176736	176815	79	177993	178068	75	188390	188459	69
31-Oct-20	Sat	911106	911392	286	176815	176904	89	178068	178141	73	188459	188550	91
1-Nov-20	Sun	911392	911681	289	176904	176990	86	178141	178215	74	188550	188636	86
2-Nov-20	Mon	911681	911952	271	176990	177080	90	178215	178286	71	188636	188715	79
3-Nov-20	Tue	911952	912187	235	177080	177175	95	178286	178366	80	188715	188826	111
4-Nov-20	Wed	912187	912457	270	177175	177241	66	178366	178415	49	188826	188910	84
5-Nov-20	Thu	912457	912715	258	177241	177339	98	178415	178478	63	188910	188984	74
6-Nov-20	Fri	912715	912920	205	177339	177505	166	178478	178515	37	188984	189044	60
7-Nov-20	Sat	912920	913127	207	177505	177515	10	178515	178575	60	189044	189108	64
8-Nov-20	Sun	913127	913366	239	177515	177567	52	178575	178614	39	189108	189167	59
9-Nov-20	Mon	913366	913600	234	177567	177628	61	178614	178648	34	189167	189238	71
10-Nov-20	Tue	913600	913845	245	177628	177700	72	178648	178693	45	189238	189318	80
11-Nov-20	Wed	913845	914148	303	177700	177778	78	178693	178740	47	189318	189370	52
12-Nov-20	Thu	914148	914451	303	177778	177866	88	178740	178835	95	189370	189410	40
13-Nov-20	Fri	914451	914755	304	177866	177950	84	178835	178906	71	189410	189467	57
14-Nov-20	Sat	914755	915017	262	177950	178026	76	178906	178968	62	189467	189525	58
15-Nov-20	Sun	915017	915222	205	178026	178079	53	178968	179009	41	189525	189598	73
16-Nov-20	Mon	915222	915417	195	178079	178110	31	179009	179039	30	189598	189694	96
17-Nov-20	Tue	915417	915740	323	178110	178197	87	179039	179115	76	189694	189788	94
18-Nov-20	Wed	915740	916097	357	178197	178270	73	179115	179180	65	189788	189870	82
19-Nov-20	Thu	916097	916440	343	178270	178355	85	179180	179267	87	189870	189957	87

20-Nov-20	Fri	916440	916717	277	178355	178456	101	179267	179318	51	189957	190037	80
21-Nov-20	Sat	916717	916717	0	178456	178587	131	179318	179369	51	190037	190126	89
22-Nov-20	Sun	916717	916717	0	178587	178702	115	179369	179530	161	190126	190240	114
23-Nov-20	Mon	916717	916717	0	178702	178892	190	179530	179632	102	190240	190358	118
24-Nov-20	Tue	916717	917004	287	178892	178925	33	179632	179677	45	190358	190462	104
25-Nov-20	Wed	917004	917215	211	178925	178940	15	179677	179715	38	190462	190510	48
26-Nov-20	Thu	917215	917415	200	178940	178997	57	179715	179811	96	190510	190591	81
27-Nov-20	Fri	917415	917874	459	178997	179070	73	179811	179838	27	190591	190710	119
28-Nov-20	Sat	917874	918277	403	179070	179177	107	179838	179925	87	190710	190744	34
29-Nov-20	Sun	918277	918666	389	179177	179281	104	179925	180011	86	190744	190892	148
30-Nov-20	Mon	918666	919022	356	179281	179369	88	180011	180086	75	190892	190965	73
1-Dec-20	Tue	919022	919359	337	179369	179465	96	180086	180159	73	190965	191029	64
2-Dec-20	Wed	919359	919709	350	179465	179558	93	180159	180234	75	191029	191116	87
3-Dec-20	Thu	919709	920041	332	179558	179646	88	180234	180305	71	191116	191207	91
4-Dec-20	Fri	920041	920319	278	179646	179736	90	180305	180378	73	191207	191293	86
5-Dec-20	Sat	920319	920679	360	179736	179821	85	180378	180445	67	191293	191376	83
6-Dec-20	Sun	920679	921055	376	179821	179901	80	180445	180509	64	191376	191459	83
7-Dec-20	Mon	921055	921422	367	179901	179970	69	180509	180557	48	191459	191538	79
8-Dec-20	Tue	921422	921617	195	179970	180053	83	180557	180629	72	191538	191603	65
9-Dec-20	Wed	921617	922239	622	180053	180141	88	180629	180691	62	191603	191680	77
10-Dec-20	Thu	922239	922665	426	180141	180225	84	180691	180750	59	191680	191765	85
11-Dec-20	Fri	922665	922826	161	180225	180260	35	180750	180792	42	191765	191803	38
12-Dec-20	Sat	922826	923172	346	180260	180326	66	180792	180823	31	191803	191836	33
13-Dec-20	Sun	923172	923659	487	180326	180423	97	180823	180902	79	191836	191920	84
14-Dec-20	Mon	923659	924139	480	180423	180515	92	180902	180979	77	191920	192010	90
15-Dec-20	Tue	924139	924436	297	180515	180597	82	180979	181051	72	192010	192102	92
16-Dec-20	Wed	924436	924725	289	180597	180632	35	181051	181069	18	192102	192175	73
17-Dec-20	Thu	924725	925189	464	180632	180720	88	181069	181140	71	192175	192229	54
18-Dec-20	Fri	925189	925452	263	180720	180831	111	181140	181229	89	192229	192391	162
19-Dec-20	Sat	925452	926211	759	180831	180938	107	181229	181315	86	192391	192452	61
20-Dec-20	Sun	926211	926850	639	180938	181038	100	181315	181395	80	192452	192572	120
21-Dec-20	Mon	926850	927332	482	181038	181132	94	181395	181470	75	192572	192607	35
22-Dec-20	Tue	927332	927821	489	181132	181228	96	181470	181549	79	192607	192698	91
23-Dec-20	Wed	927821	928278	457	181228	181319	91	181549	181622	73	192698	192794	96
24-Dec-20	Thu	928278	928706	428	181319	181406	87	181622	181691	69	192794	192873	79
25-Dec-20	Fri	928706	929176	470	181406	181500	94	181691	181767	76	192873	193020	147
26-Dec-20	Sat	929176	929471	295	181500	181581	81	181767	181835	68	193020	193069	49
27-Dec-20	Sun	929471	930027	556	181581	181673	92	181835	181904	69	193069	193133	64
28-Dec-20	Mon	930027	930521	494	181673	181772	99	181904	181985	81	193133	193224	91
29-Dec-20	Tue	930521	930974	453	181772	181867	95	181985	182060	75	193224	193295	71
30-Dec-20	Wed	930974	931271	297	181867	181926	59	182060	182109	49	193295	193360	65
31-Dec-20	Thu	931271	931596	325	181926	181988	62	182109	182157	48	193360	193407	47
1-Jan-21	Fri	931596	931840	244	181988	182064	76	182157	182234	77	193407	193417	10
2-Jan-21	Sat	931840	932166	326	182064	182105	41	182234	182244	10	193417	193427	10
3-Jan-21	Sun	932166	932235	69	182105	182105	0	182244	182256	12	193427	193550	123
4-Jan-21	Mon	932235	932398	163	182105	182179	74	182256	182281	25	193550	193602	52
Total units generated (KWH)					546154			111751			96897		110308

ARRAY LAYOUT OF 156.6 KWp SPVPP at Workshop Building
522 Nos. 300 Wp Modules



TOTAL NUMBER OF 2X5 MMS- 10 Nos.



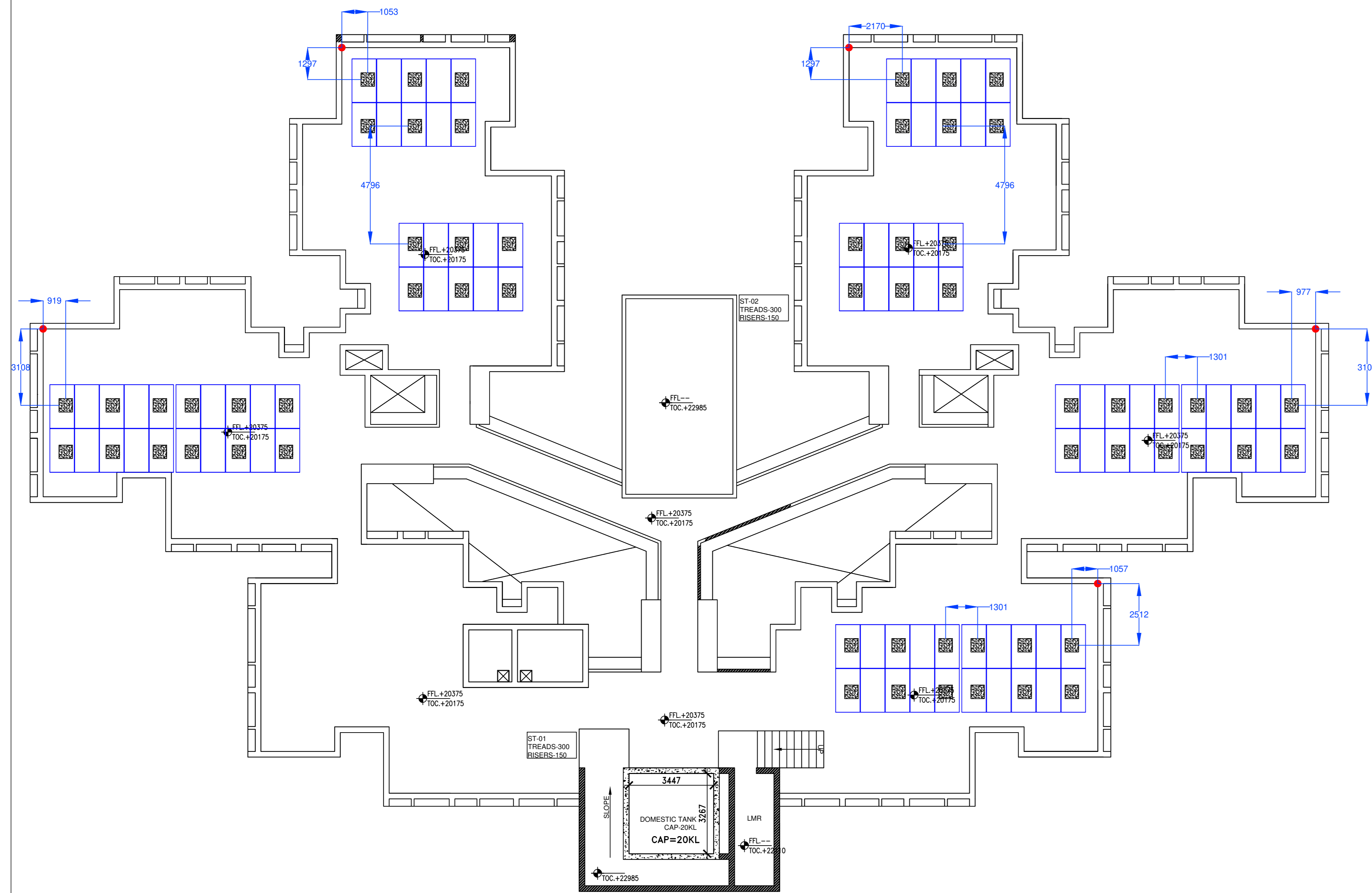
REV.	DESCRIPTION	DATE	DRAWN	CHKD.	APPD.

COPYRIGHT RESERVED					
CLEARED		PROJECT	246.6 kWp at BML University Dharuhera		
DEPT	BY	DATE	OWNER	BML UNIVERSITY	
MECH.			EPC	HERO SOLAR ENERGY PVT. LTD.	
ELEC.			VENDOR		
CIVIL			TITLE	ARRAY LAYOUT OF WORKSHOP BUILDING	
C & I			HERO DWG. NO.		
			SCALE :	NTS	PREPARED BY
			SH. SIZE	A3	KAMAL
			DATE	5.08.15	CHECKED BY
				AMBRISH SHUKLA	DATE
				5.08.15	APPROVED BY
				PARVEEN	DATE
				5.08.15	REV-0

ARRAY LAYOUT OF 30 kWp X 3 Nos. KWp SPVPP at Workshop Building
300 Nos. 300 Wp Modules

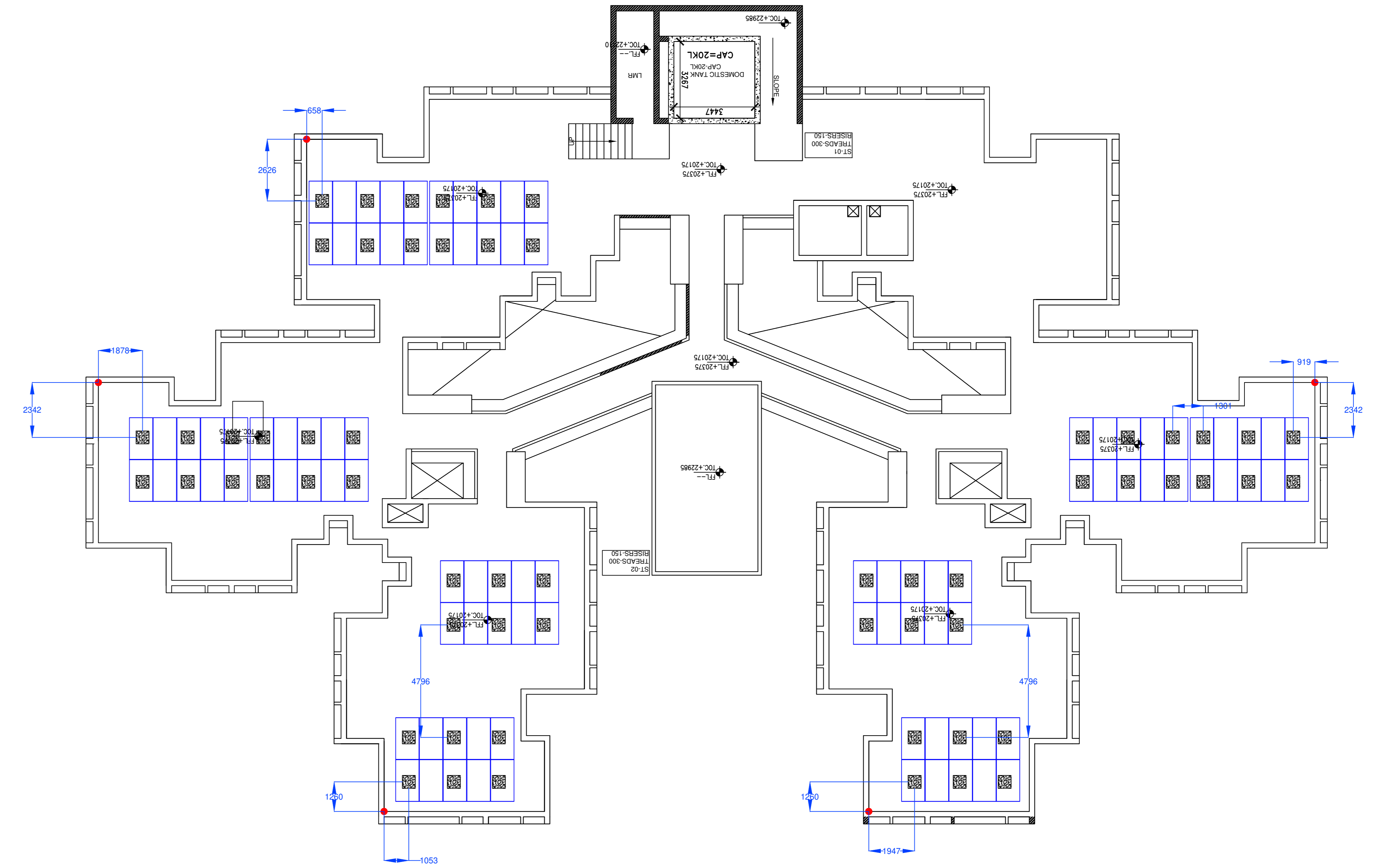


TOWER 01 AND 03



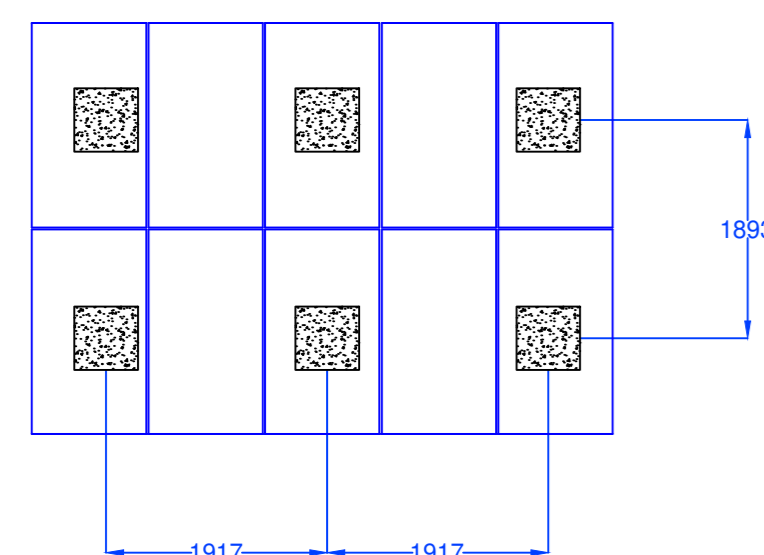
30 kWp X 2Nos.

TOWER 02



30 kWp X 1 Nos.

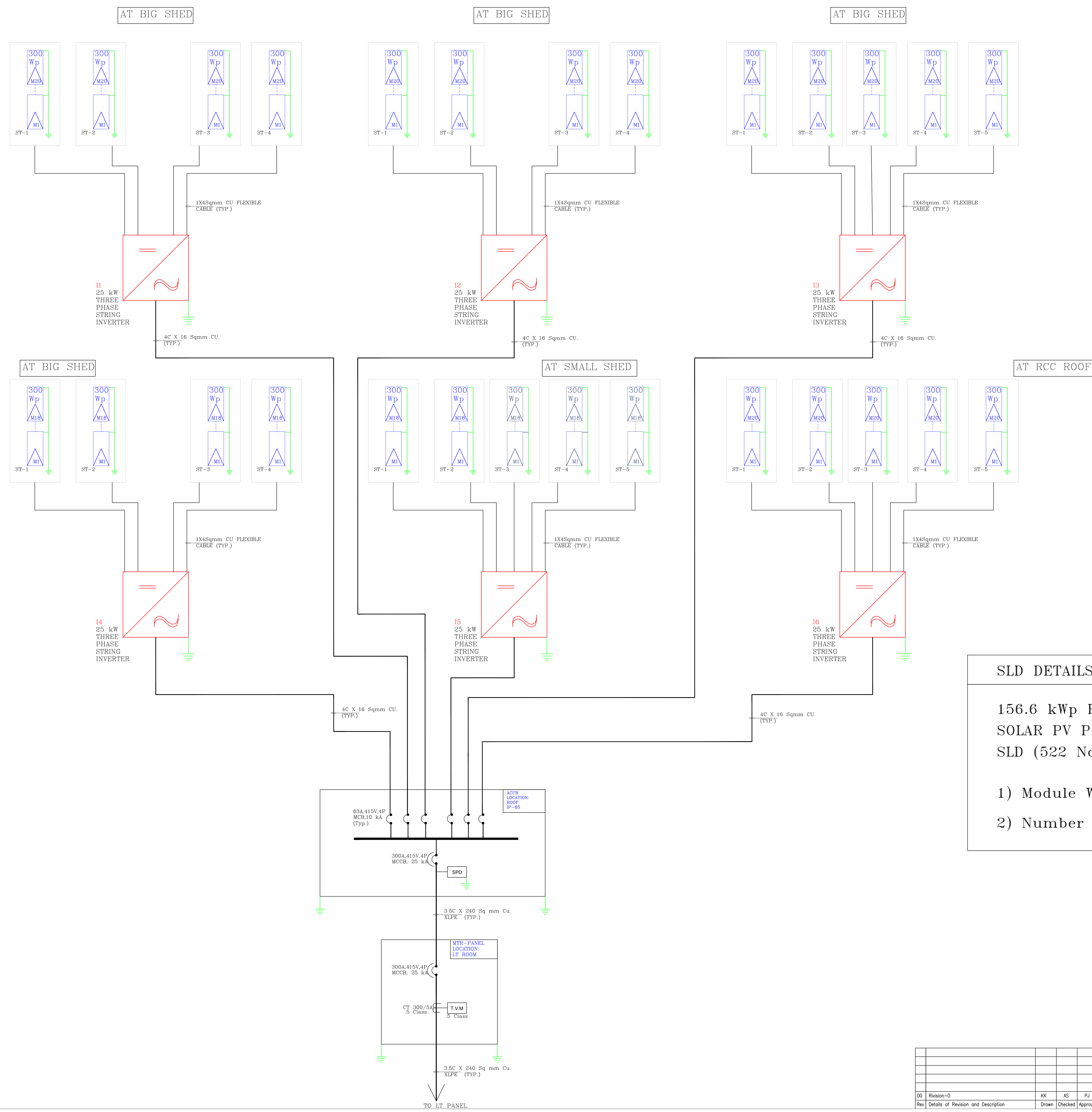
TOTAL NUMBER OF 2X5 MMS-
10+10+10 Nos.



COPYRIGHT RESERVED

CLEARED		PROJECT	246.6 kWp at BML University Dharuhera
DEPT.	BY	OWNER	BML UNIVERSITY
MECH.	DATE	EPC	HERO SOLAR ENERGY PVT. LTD.
ELEC.		VENDOR	
CIVIL		TITLE	ARRAY LAYOUT OF TOWER 1,2 AND 3 (30+30+30 kWp)
C & I		HERO DWG.NO.	
REV.	DESCRIPTION	DATE	DRAWN
		CHKD.	APPD.
SCALE :	NTS	PREPARED BY	DATE
SH. SIZE	A3	KAMAL	5.08.15
		CHECKED BY	DATE
		AMRISH SHUKLA	5.08.15
		APPROVED BY	DATE
		PARVEEN	5.08.15
		REV-0	

GENERAL NOTE :-
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SLD DETAILS-

156.6 kWp BML UNIVERSITY
 SOLAR PV POWER PLANT
 SLD (522 Nos. 300 Wp. Modules)

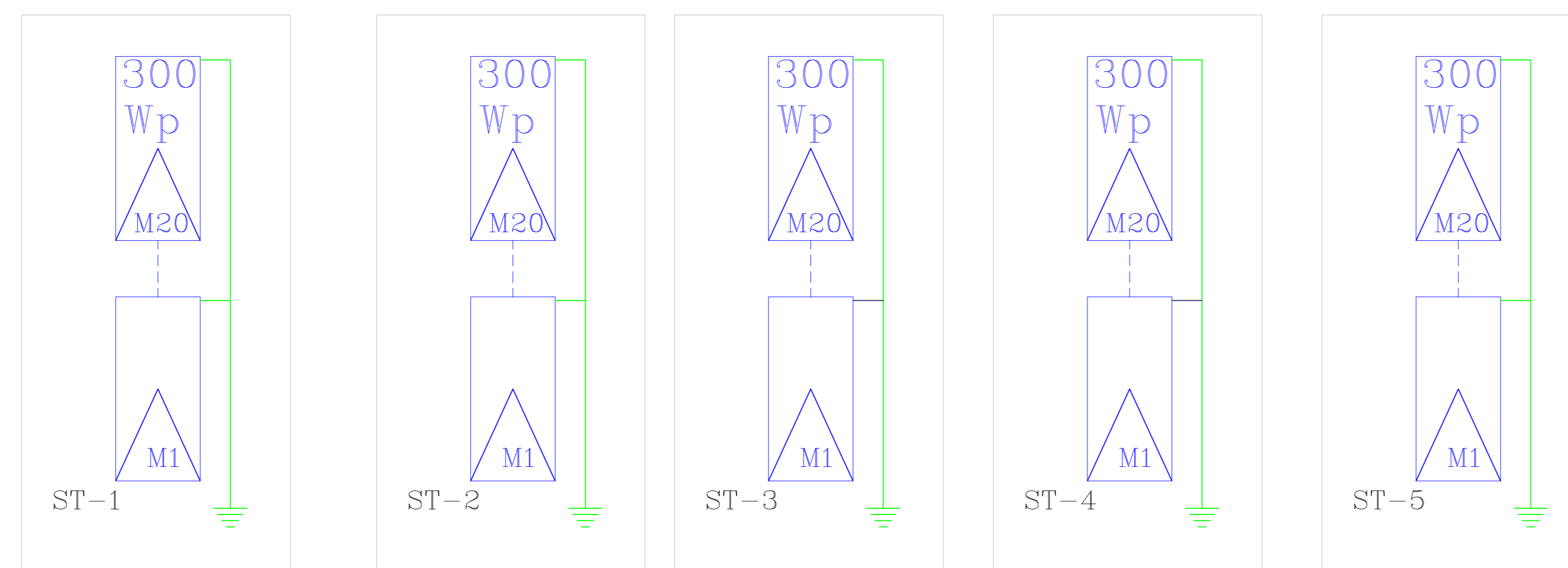
1) Module Wattage: 300 Wp
 2) Number of 25 kW Inverters : 6 Nos.

		CLEARED	
Dept.	Approved	Date	

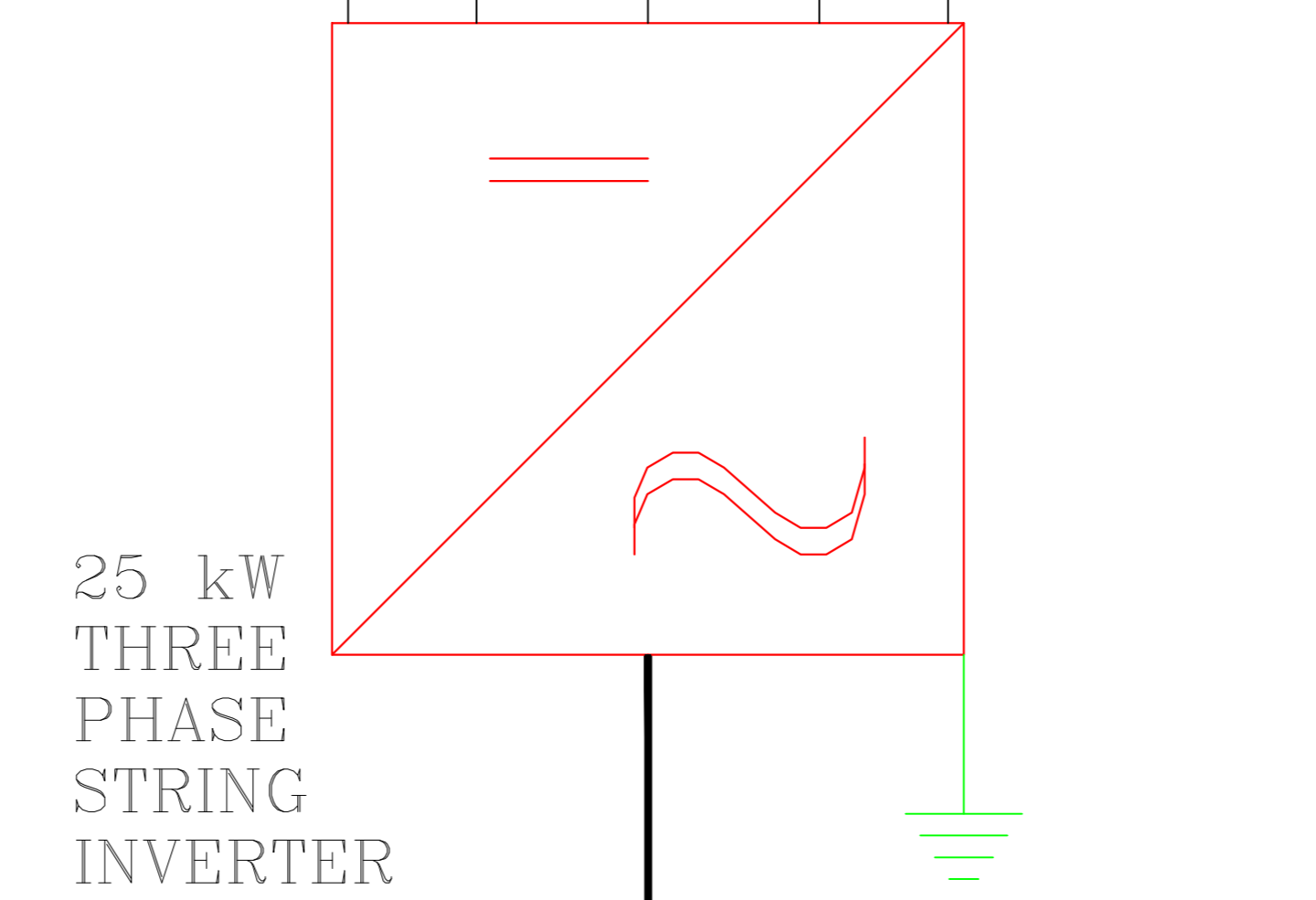
PROJECT	156.6 kWp BML UNIVERSITY SOLAR PV POWER PLANT		
OWNER	BML UNIVERSITY		
EPC	HERO SOLAR ENERGY PRIVATE LIMITED		
TITLE	SINGLE LINE DIAGRAM 156.6 kWp		
	DRAWING NUMBER-	HSEPL-BML-EE-DW-331	Status
	Scale	N.T.S	Sheet
			1/2
	Rev	0	

Rev	Details of Revision and Description	Drawn	Checked	Approved	Date	Projects
00	Revision-0	KK	AS	PJ	5/8/15	C & I

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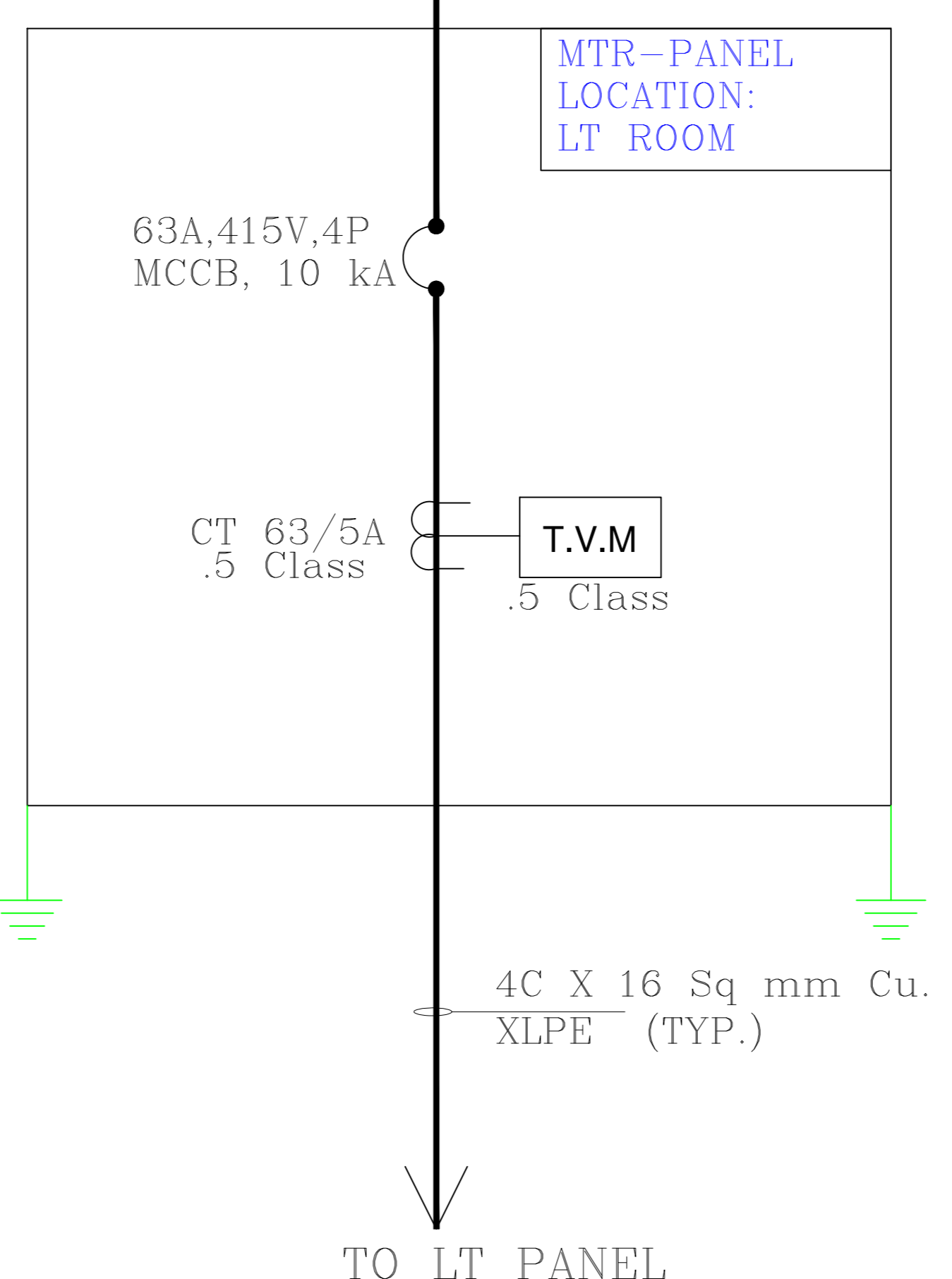
1X4Sqmm CU FLEXIBLE CABLE (TYP.)



SLD DETAILS-

30+30+30 kWp BML UNIVERSITY
 SOLAR PV POWER PLANT
 SLD (100 Nos. 300 Wp. Modules)

1) Module Wattage: 300 Wp
 2) Number of 25 kW Inverters : 1 Nos.



		CLEARED	
Dept.	Approved	Date	

PROJECT	156.6 kWp BML UNIVERSITY SOLAR PV POWER PLANT
OWNER	BML UNIVERSITY
EPC	HERO SOLAR ENERGY PRIVATE LIMITED
TITLE	SINGLE LINE DIAGRAM 30 kWp
DRAWING NUMBER	HSEPL-BML-EE-DW-331
Scale	N.T.S
Sheet	2/2
Status	
Rev	0

DD	Revision	By	Checked	Approved	Date	Projects
00	Revision-0	KK	AS	PI	5/8/15	C & I
Rev	Details of Revision and Description	Drawn	Checked	Approved	Date	Projects



Service Order No.: BML/Solar system/15-16/146

Date:31-07-2015

Approval date- Fri 31-07-2015 10.59 AM

To,

M/S Hero Solar Energy Pvt. Ltd.,

202, Okhla Phase-III, New Delhi

Subject- Service Order for Installation & Commissioning of 246.6 kWp Grid Connected Solar Rooftop Project

Dear Sir,

With reference to above subject, your quotation and further as discussed with you. We are placing this order with a brief description of items, services and term and conditions as mentioned below. Also your techno commercial offer mailed to us on dated- Fri 31-07-2015 10.29 AM, remains under reference.

PRICE

1.	Installation & Commissioning for 246.6 kWp Grid Connected Solar Rooftop Project	Rs. 9,54,125/- (Nine Lakhs Fifty Four Thousand One Hundred Twenty Five only)
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TAXES

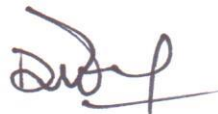
Service Tax of 14% to be charged extra

PAYMENT TERMS

- 25% as mobilization advance
- 75% upon successful installation & Commissioning

Delivery Address: To be billed & delivered at BML Educorp Services "BML Munjal University" 67 KM MILE STONE, NH-08, VILLAGE Sidhrawali, Land Mark (Raman Munjal Vidya Mandir), Gurgaon. Haryana, Pin 123413

Completion/Delivery Date: 30-Sep-2015



SUPPLIER'S SCOPE OF WORK

Complete installation, testing and commissioning for 246.6 kWp 3 phase grid connected solar rooftop.

BML Munjal University SCOPE OF WORK:

- Providing temporary storage area
- Providing access to rooftop
- Providing internet connection for remote connectivity
- Construction Power and Water
- Clean Site to be provided

SYSTEM GUARANTEE/WARRANTEE:

- | | |
|----|---|
| 1. | Workmanship warranty for 5 years from date of commissioning |
|----|---|

OTHER TERMS & CONDITIONS

- Final bill of material will be submitted by Hero Solar Energy Pvt. Ltd. (HSEPL) after detail engineering along with other engineering documents/drawing.
- Any damage to equipment before handing over of complete plant to us will be to HSEPL's account.
- The site where the project is to be installed has been shown to HSEPL and it has been confirmed by HSEPL that it is suitable for the project.
- Insurance during transit will be arranged by HSEPL
- As applicable under the law none of the workers shall be paid less than the minimum wages fixed by the Haryana Government in the scheduled employment from time to time. It will be obligatory on part of the contractor to make the payment of wages to the workman employed by him every month.
- The contractor will be responsible for complying with all statutory obligation on his part during the entire supply and construction period.
- You shall be responsible for all injury to person, animals or things and for all damage to the structural and/or decorative part of property, stores and other materials held in transit by us which may arise from the operations or neglect on your part or of any Sub-Contractor's employees whether such injury or damage arise from carelessness, accident or any other cause whether in any way connected with the carrying out of this order.
- You shall indemnify us and hold us harmless in respect all and any expense arising from any such injury or damage under Acts of Government or otherwise and also in respect of any award of compensation or damage consequent upon such claim. Supervisor for project shall be allotted for being single point of contact and submitting timely update of the project status.



- 3/4
- All tools, tackles, consumables, working equipment, manpower etc. for unloading, shifting, installation and commissioning shall be arranged by HSEP at its own cost.
 - After completion of work site should be cleared properly there should not be any waste material/fastener/tool equipment left at site.

COURT JURISDICTION

If any dispute arises relating to this order, courts at New Delhi will have sole and exclusive jurisdiction. All other courts have been exclusively barred to have any jurisdiction in matters related to this order and this has been agreed upon by both parties.

FORCE MAJEURE

- For the purpose of this WO, the term Force Majeure includes only the following events or circumstances provided for and which has caused the non-performance or delay in performance.
- Force Majeure shall include act of God, war, revolt, Nationwide/Region-wide riot, tempest, flood, earthquake, direct, indirect consequences of war (declared/undeclared), terrorism, fire (except where it is caused by the negligence of affected Party), natural calamities, national emergency, famine.

Exclusions: The following shall not constitute an event of Force Majeure:

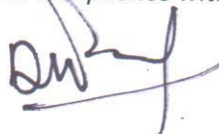
- a) Economic hardship;*
- b) Local unrest*
- c) A breach of any provision of the WO; and*
- d) Any act, event, or occurrence listed above or asserted as a Force Majeure Event that results materially from the negligence or wilful misconduct of the affected Party*

- **Party to Notify Force Majeure Events**

Where a Party is claiming suspension of its obligations on account of Force Majeure, it shall promptly, but in no case later than forty eight hours (48 hrs) after the occurrence of the event of Force Majeure, notify the other Party in writing giving full particulars of the Force Majeure, the estimated duration thereof, the obligations affected and the reasons for its suspension.

- **Duty to Mitigate Effects of Force Majeure**

A Party claiming Force Majeure shall exercise reasonable diligence to seek to overcome the Force Majeure event and to mitigate the effects thereof on the performance of its obligations under this WO provided, the Party affected shall promptly notify the other Party as soon as the Force Majeure event has been removed and no longer prevents it from complying with the obligations, which have been suspended and shall thereafter resume compliance with such obligations as soon as possible.



4/4

- **Onus on Party claiming Force Majeure**

The Party asserting the claim of Force Majeure shall have the burden of proving that the circumstances constitute valid grounds of Force Majeure under this clause and that such Party has exercised reasonable diligence and efforts to remedy the cause of any alleged Force Majeure. If the Parties are unable in good faith to agree that a Force Majeure event has occurred, the Parties shall submit the dispute for resolution provided that the burden of proof as to whether a Force Majeure event has occurred shall be upon the Party claiming a Force Majeure event.

- **Extension of Time as a Result of Force Majeure**

Where a Party is prevented from exercising any rights or performing any obligations under this WO due to Force Majeure, the time for the performance of the obligations affected thereby and for performance of any obligation or the exercise of any right dependent thereon may be extended by such additional period as may be agreed between the Parties, provided it has complied with all the provisions of this clause and the event has affected the activities on the critical path of the time schedule.

- a) **Force Majeure Event exceeds 60 Days – Mitigation**

Notwithstanding anything contained herein above, if an event of Force Majeure occurs and is likely to continue for a period in excess of Sixty (60) continuous days, the Parties shall have the right to terminate the WO.

- b) **Failure to Pay**

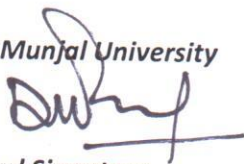
Notwithstanding the existence of a Force Majeure event, the provisions of this clause shall not in any event excuse any failure to pay or delay in paying money due and owing under this WO before the time of occurrence of the Force Majeure event.

- c) **Delay penalty clause.**

In event of your failure to execute the work as per agreed scheduled. We reserve our right to impose delay penalty of 5% of contract value per week and maximum up-to 10% of contract value.

This order has been issued to Hero Solar Energy Pvt. Ltd. and it is requested that you return the duplicate copy signed & stamped as a token of acceptance.

For BML Munjal University



Authorized Signatory



Purchase Order No.: *BML/Solar system/15-16/147*

Date: 31st July 2015

Approval mail- *Approval date- Fri 31-07-2015 10.59 AM*

To,

M/S Hero Solar Energy Pvt. Ltd.,

202, Okhla Phase-III, New Delhi

Subject- Purchase Order for Delivery, Installation & Commissioning of 246.6 kWp Grid Connected Solar Rooftop Project

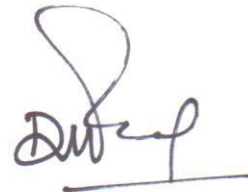
Dear Sir,

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Delivery Address: *To be billed & delivered at BML Educorp Services "BML Munjal University" 67 KM MILE STONE, NH-08, VILLAGE Sidhrawali, Land Mark (Raman Munjal Vidya Mandir), Gurgaon. Haryana, Pin 123413*

PRICE

1.	Supply of Material for 246.6 kWp Grid Connected Solar Rooftop Project	Rs. 1,45,00,000/- (Rupees One Crores Forty Five Lakhs only)
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Details of Make/ Model/ Cost are as under

Parameter	Makes Offered	Cost (Rs/Wp)
Solar Modules	Trina/JA/Vikram	36.00
Inverter with Remote Monitoring Delta	SMA String Inverter	9.50
Structure & Mechanical BOM	Hot Dip Galvanised Structure for RCC Roof and Aluminium Structure for Industrial shed	5.00
Electrical BOM including cables	Cables KEI/Polycab, Breakers Schneider/ABB/Siemens	8.00
I&C	Installation & Commissioning	4.00
Total		62.50 per watt

Completion/Delivery Date: 30-Sep-2015

TAXES

5% VAT on supply of material to be charged extra.

PAYMENT TERMS

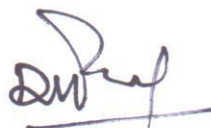
- 25% as mobilization advance
- 50% upon supply of Material
- 25% upon successful installation & Commissioning

SUPPLIER'S SCOPE OF WORK

Complete design, engineering, procurement, testing, inspection, packing, forwarding and transportation to site for supply of equipment and material for 246.60 kWp 3 phase grid connected solar rooftop. The supply shall be as per attached BOM in Annexure-I.

BML Munjal University SCOPE OF WORK:

- Providing temporary storage area
- Providing access to rooftop
- Providing internet connection for remote connectivity
- Construction Power and Water
- Clean Site to be provided



SYSTEM GUARANTEE/WARRANTEE:

1.	Power from PV modules shall be warranted for 90% at the end of 10 years and 80% at the end of 25 years from date of commissioning.
2.	Inverter warranty for 5 years from Date of Commissioning
3.	Other component warranty for 5 years from date of commissioning
4.	Workmanship warranty for 5 years from date of commissioning

System to be installed at Following Location:

- 1) Work Shop Area (New Shed/Old Shed and RCC Roof)- 156.6Kwp
 - 2) New Hostel- 90Kwp
- Total Capacity- 246.6Kwp**

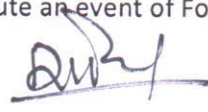
OTHER TERMS & CONDITIONS

- Final bill of material will be submitted by Hero Solar Energy Pvt. Ltd. (HSEPL) after detail engineering along with other engineering documents/drawing.
- Any damage to equipment before handing over of complete plant to us will be to HSEPL's account.
- The site where the project is to be installed has been shown to HSEPL and it has been confirmed by HSEPL that it is suitable for the project.
- Insurance during transit will be arranged by HSEPL
- As applicable under the law none of the workers shall be paid less than the minimum wages fixed by the Haryana Government in the scheduled employment from time to time. It will be obligatory on part of the contractor to make the payment of wages to the workman employed by him every month.
- The contractor will be responsible for complying with all statutory obligation on his part during the entire supply and construction period.
- The contractor shall ensure that safety norms are complied with by his workman in the work area. Any damage and loss of life of your workman while executing the job will be HSEPL's responsibility.
- Supervisor for project shall be allotted for being single point of contact and submitting timely update of the project status.
- All tools, tackles, consumables, working equipment, manpower etc. for unloading, shifting, installation and commissioning shall be arranged by HSEP at its own cost.
- After completion of work site should be cleared properly there should not be any waste material/fastener/tool equipment left at site.

FORCE MAJEURE

- For the purpose of this WO, the term Force Majeure includes only the following events or circumstances provided for and which has caused the non-performance or delay in performance.
- Force Majeure shall include act of God, war, revolt, Nationwide/Region-wide riot, tempest, flood, earthquake, direct, indirect consequences of war (declared/undeclared), terrorism, fire (except where it is caused by the negligence of affected Party), natural calamities, national emergency, famine.

Exclusions: The following shall not constitute an event of Force Majeure:



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- a) Economic hardship;
- b) Local unrest
- c) A breach of any provision of the WO; and
- d) Any act, event, or occurrence listed above or asserted as a Force Majeure Event that results materially from the negligence or wilful misconduct of the affected Party

- **Party to Notify Force Majeure Events**

Where a Party is claiming suspension of its obligations on account of Force Majeure, it shall promptly, but in no case later than forty eight hours (48 hrs) after the occurrence of the event of Force Majeure, notify the other Party in writing giving full particulars of the Force Majeure, the estimated duration thereof, the obligations affected and the reasons for its suspension.

- **Duty to Mitigate Effects of Force Majeure**

A Party claiming Force Majeure shall exercise reasonable diligence to seek to overcome the Force Majeure event and to mitigate the effects thereof on the performance of its obligations under this WO provided, the Party affected shall promptly notify the other Party as soon as the Force Majeure event has been removed and no longer prevents it from complying with the obligations, which have been suspended and shall thereafter resume compliance with such obligations as soon as possible.

- **Onus on Party claiming Force Majeure**

The Party asserting the claim of Force Majeure shall have the burden of proving that the circumstances constitute valid grounds of Force Majeure under this clause and that such Party has exercised reasonable diligence and efforts to remedy the cause of any alleged Force Majeure. If the Parties are unable in good faith to agree that a Force Majeure event has occurred, the Parties shall submit the dispute for resolution provided that the burden of proof as to whether a Force Majeure event has occurred shall be upon the Party claiming a Force Majeure event.

- **Extension of Time as a Result of Force Majeure**

Where a Party is prevented from exercising any rights or performing any obligations under this WO due to Force Majeure, the time for the performance of the obligations affected thereby and for performance of any obligation or the exercise of any right dependent thereon may be extended by such additional period as may be agreed between the Parties, provided it has complied with all the provisions of this clause and the event has affected the activities on the critical path of the time schedule.

- a) **Force Majeure Event exceeds 60 Days – Mitigation**



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Notwithstanding anything contained herein above, if an event of Force Majeure occurs and is likely to continue for a period in excess of Sixty (60) continuous days, the Parties shall have the right to terminate the WO.

b) Failure to Pay

Notwithstanding the existence of a Force Majeure event, the provisions of this clause shall not in any event excuse any failure to pay or delay in paying money due and owing under this WO before the time of occurrence of the Force Majeure event.

c) Delay penalty clause.

In event of your failure to Deliver/ execute the work as per agreed scheduled. We reserve our right to impose delay penalty of 5% of contract value per week and maximum up-to 10% of contract value.

COURT JURISDICTION

If any dispute arises relating to this order, courts at New Delhi will have sole and exclusive jurisdiction. All other courts have been exclusively barred to have any jurisdiction in matters related to this order and this has been agreed upon by both parties.

This order has been issued to Hero Solar Energy Pvt. Ltd. and it is requested that you return the duplicate copy signed & stamped as a token of acceptance.

For BML Munjal University



Authorized Signatory