



**JK Cement WORKS**

**MUDDAPUR**

(Unit : J.K. Cement Ltd.)

**CIN : L17229UP1994PLC017199**

**Phone : +91-8350-289000**

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**E-mail : factory.muddapur@jkcement.com**

**Works : P.O. Muddapur - 587 122**

**Dist. Bagalkot (Karnataka) India**

**Date- 25-05-2015**

No. JKCW/ENV. /Panchagavi mine/57/07

To,  
Member Secretary  
State Level Environmental Impact Assessment Authority (SEIAA)  
Government of India  
Room no. 706, 7th floor, 4th gate,  
M.S. Building, Bangalore- 560001

**Sub: Environmental Clearance Compliance report for the period from 25<sup>th</sup> December 2014 to March-2015 for our Panchagavi Laterite mine**

Ref: MoEF Letter No. SEIAA 107 MIN 2014 dtd. 24th December 2014

Dear Sir,

With reference to your above cited environmental clearance letter of our Panchagavi Laterite mine. We are sending here with enclosed point wise compliance report for the period from **25th December 2014 to March-2015** for your kind information and record please.

Thanking you

Yours faithfully  
For Panchagavi Laterite mine

  
S.K. Jain  
Head (O & M)

**Encl. – Compliance report and ambient air quality monitoring report**

**CC:**

- 1- The Addl. Principal Chief Conservator of Forest (C) , Ministry of Environment & Forest, Regional Office (South Zone), 4th floor, E&F Wings, Kendriya Sadan, 17th Main Road, Ind Block, Koramangala, Bangalore
- 2- Chairman, Central Pollution Control Board, Parivesh Bhavan, East Arjun Nagar, New Delhi
- 3- The Secretary to Government, (Environment and Ecology), Department of Forest Environment & Ecology, Room No. 708, Gate 2, Multi Storied Building, Dr. Ambedkar Veedhi, Bangalore
- 4- The Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, No.1, Charanti Math Building, Shivalaya Road, Sadashiva Nagar, Belgaum.
- 5- Member Secretary, Karnataka Pollution Control Board, Church Street, Bangalore
- 6- Environmental Officer, Karnataka State Pollution Control Board, Plot No-1, Autonagar, Kanabargi Indl Area, Belgaum-590015

**Registered & Corporate Office :**

Kamla Tower, Kanpur - 208 001 (U.P.)

**Ph. : 0512-2371478-81 Fax : 0512-2399854**

**E-mail : ho.grey@jkcement.com**

**Website : www.jkcement.com**

**Central Marketing Office :**

4th Floor, Krsna Chambers, Plot no. 11, Galaxy Garden

North Main Road, Koregaon Park, Pune - 411001

**Ph. : 020 -41350000 Fax : 020 - 41350099**

**E-mail : cmo.south@jkcement.com**



**Panchagavi Laterite Mine, Village- Panchagavi, Taluka-Ramdurg, District- Belgaum, Karnataka**

**Ref: - MoEF Letter No. SEIAA 107 MIN 2014 dtd. 24th December 2014**

**Compliance Report for the period from 25th December 2014 to March-2015**

Name of Project: **Panchagavi Laterite Mine, M/s J.K. Cement Works, Muddapur (Karnataka)**

Environmental Clearance to Panchagavi Laterite Mine (ML area 4.58 ha) at village Panchagavi, Taluka-Ramdurg, District- Belgaum, Karnataka

<b>S.N.</b>	<b>CONDITIONS</b>	<b>REPLY</b>
<b>A</b>	<b>Specific Conditions</b>	
1	Quarry plan approved by the Department of Mines and Geology Shall be strictly implemented and shall not be operated beyond the validity period of the approved quarry plan.	Agreed and will be complied
2	Baseline data on health profile of each of the workers shall be maintained.	Agreed and will be complied
3	PAs should get the health checkup done for the quarry workers on quarterly basis and submit report periodically.	Agreed and will be complied
4	The SEIAA, Karnataka reserves the right to withdraw the environmental clearance subject to any in the quarrying policy by the state government as may be applicable to this project	Agreed
5	This Environmental Clearance is co-terminus with the lease granted vide quarry lease under MM(D & R) Act 1957/KMMC RULES-1994	Agreed
6	Quarrying shall be undertaken strictly in accordance with provisions of MM (D&R) Act 1957/KMMC RULES-1994.	Agreed and will be complied
7	All the conditions stipulated in the consent for establishment issued (if applicable) by the Karnataka State Pollution control Board should be effectively implemented.	Agreed and will be complied
8	The quarrying operations shall not intersect ground water table. Prior approval of the SEIAA / Ministry of Environment & Forests and Central Ground Water Authority Shall be obtained for quarrying below water table.	Agreed and will be complied
9	The topsoil if any should be stacked at earmarked site only and should not kept unutilized for a period more than 3 years. The topsoil should be used for reclamation and plantation.	Agreed and will be complied
10	Waste rock shall be stacked at earmarked site (s) only. The maximum height of the stack should not exceed 10m duly providing suitable terraces. The overall slope of the dump shall not exceed 27. A retention wall shall be built around the waste rock dump to prevent sliding.	Agreed and will be complied

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11	Catch drains and siltation ponds of appropriate size should be constructed to arrest silt and sediment flows from quarry working area and rock dumps. The water so collected should be utilized for watering the haulage area, roads, green belt development etc., and the drains should be regularly de-silted particularly after monsoon and maintained properly.	Agreed and will be complied
12	Dimension of the retaining wall at the toe of dumps within the quarry to check run-off and siltation should be based on the rainfall data.	Agreed and will be complied
13	The project authority should implement suitable conservation measures to augment ground water resources in the area in consultation with the Regional Director, central Ground water Board within 3 months and report be submitted to the Authority.	Agreed
14	Appropriate mitigation measures should be taken to prevent pollution of nearby water bodies in consultation with the state Pollution control Board.	Agreed
15	The project proponent shall submit commitment from the competent authority for drawl of requisite quantity of water for the project before starting work on the project.	Agreed
16	Suitable rain water harvesting measures on long-term shall be planned and implemented in consultation with Regional Director, Central Ground Water Board for complete rain water harvesting by constructing check dams/ converting quarried pits to rain water harvesting ponds.	Agreed
17	Vehicular emissions should be kept under control and regularly monitored measured shall be taken for maintenance of vehicles used in quarrying operations and in transportation of blocks.	Agreed and will be complied
18	Digital processing of the entire lease area using remote sensing technique should be done regularly once in three years for monitoring land use pattern and report submitted to SEIAA Karnataka, Department of Environment and Ecology, Govt. of Karnataka and the Regional Office, MoEF, Bengaluru.	Agreed and will be complied
19	This environmental clearance does not confer any right to the proponent on the land proposed for quarrying until and unless quarry lease and all other statutory clearance are obtained from the respective department/agencies.	Agreed
20	The project authorities should undertake sample survey to generate data on pre-project community health status within a radius of 1 km from proposed quarry.	Agreed and will be complied
21	Consent to operate if applicable shall be obtained from	Agreed, We have applied to

**Panchagavi Laterite Mine, Village- Panchagavi, Taluka-Ramdurg, District- Belgaum, Karnataka**

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	state pollution control Board prior to start of production from the quarry.	KSPCB for CFO via. letter no. JKCW / ENV. / Panchgavi mine /57/05 dated 06-02-2015.
22	Proper sanitary facilities should be installed for the colony/work place. Domestic waste generated should be disposed in a scientific manner. Proper first aid facilities and health care facilities should be provided for the labourers.	Agreed and will be complied
23	The project proponent shall take all precautionary measures during quarrying operation for conservation and protection of endangered fauna spotted in the study area. Action plan for conservation of flora and fauna shall be prepared and implemented in consultation with the State Forest and Wildlife Department. The proponent shall contribute towards the cost of implementation of the plan and / or Regional Wildlife Management Plan for conservation of wild life. The amount so contributed shall be included in the project cost. A copy of the action plan may be submitted to the SEIAA, Department of Environment and Ecology, Govt. of Karnataka, the Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Belgaum and the Regional Office, MoEF, Bengaluru within 3 months.	Agreed and will be complied.
24	The project proponent shall delineate Quarry Closure Plan/ exit protocol to rehabilitate the quarried out land to match its surrounding land use including removal, storage and reuse of waste rock from quarry area to cover reclaimed area. Post Quarry Land Use Plan with rehabilitation of, quarried out area (with Plan and Section) provided and submit to SEIAA.	Agreed and will be complied
25	Plantation monitoring programme during post project period for ensuring, survival and growth rate of plantation in reclaimed area.	Agreed and will be complied
26	A Final Quarry Closure Plan along with details of Corpus fund should be submitted to the SEIAA Karnataka, Department of Environment and Ecology, Govt. of Karnataka and the Regional office, MoEF, Bengaluru 5 years in advance of final quarry closure for approval.	Agreed and will be complied
27	Retention walls should be a minimum of 2.5 mtr height with base of 3 mtr.	Agreed and will be complied

**Panchagavi Laterite Mine, Village- Panchagavi, Taluka-Ramdurg, District- Belgaum, Karnataka**

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28	Check dams and gully plugs along the smaller streamlets in the area, should be constructed to arrest the loose soil flow from the quarry area.	Agreed and will be complied
29	Particulars of dimensioned block production and dispatch shall be provided by the quarry owner yearly.	Agreed and will be complied
30	The infrastructure of transport roads should be improved collectively by the quarry owners of the area.	Agreed and will be complied
31	Link road from quarry site to main road shall be maintained and black topped by the project proponent	Agreed and will be complied
32	The quarry lease area to be properly demarcated using the lat-long coordinates and duly erecting 4 feet concrete/granite pillars on the ground.	Agreed and will be complied
33	No quarrying shall be undertaken outside the lease area.	Agreed
34	The project Authorities shall maintain a margin 7.5 meters along the lease boundary.	Agreed
35	The project authorities shall also earmark at least 5% of the total turnover of the project towards the corporate social responsibility and item-wise details along with the time bound action plan shall be prepared and submitted to the Authority.	Agreed and will be complied
36	The project authority shall ensure that the quarry pits are well protected with proper fencing keeping the safety of local people and the animals.	Agreed and will be complied
37	The project authority shall avoid stagnation of water in the quarry pits which would turn out to be mosquito breeding centers resulting in spreading of diseases such as malaria, dengue, etc.	Agreed
38	Haulage approach road should not be through Panchagavi village till the main road is reached.	Agreed and will be complied
<b>B</b>	<b>GENERAL CONDITIONS</b>	
1	No change in quarrying technology and scope of working should be made without prior approval of the SEIAA Karnataka.	Agreed
2	No change in the calendar plan including excavation, quantum of mineral and waste should be made.	Agreed
3	It shall be ensured that the Ambient Air Quality parameters conform to the norms prescribed by the MoEF, Govt. of india, New Delhi.	Agreed and will be complied
4	Data on ambient air quality (PM10, PM2.5, SO2, NOx) should be regularly submitted to the SEIAA Karnataka, Department of Environment and Ecology, Govt. of	Agreed and will be complied

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	Karnataka, the Regional Director (Environment), Department of environment and Ecology, Government of Karnataka, Belgaum and the Regional office, MoEF, Bengaluru and the state pollution Control Board / Central pollution Control Board once in six Months.	
5	Fugitive dust emission from all the sources should be controlled regularly. Water spray arrangement on haul roads, loading and unloading and at transfer points should be provided and properly maintained.	Agreed and will be complied
6	Measures should be taken for control of noise levels below 85 dBA in the work environment. Workers engaged in operations of HEMM, etc should be provided with earplugs/ muffs.	Agreed and will be complied
7	Waste water from the quarry should be properly collected, treated so as to conform to the standards prescribed under GSR 422 (E) dated 19 <sup>th</sup> may 1993 and 31 <sup>st</sup> December, 1993 or as amended from time to time. Oil and grease trap shall be installed before discharged of effluents.	Agreed
8	Personnel working in dusty area should wear provided with adequate training and information on safety and health aspects.  Occupational health surveillance program of the workers should be undertaken periodically i.e once in 3 months to observe any contractions due to exposure to dust and take corrective measures, if needed. Quarterly report in this regard should be submitted to the Department of Environment and Ecology, Govt. of Karnataka state pollution Control Board and the Regional office, MoEF, Bengaluru.	Agreed and will be complied
9	A separate environmental management cell with suitable qualified personnel shall be set-up under the control of a senior Executive, who will report directly to the Head of the organization. The Environment management committee should be constituted with one of the member representing nearby village.	Complied, A separate environmental management cell with suitable qualified personnel has been set-up under the control of a senior Executive, who reports directly to the Head of the organization.
10	The funds earmarked for environmental protection measures should be kept in separate account and should not be diverted for other purpose. Year wise expenditure should be reported to the SEIAA Karnataka, the Department of Environment and Ecology, Govt. of Karnataka, the Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Belgaum and the Regional Office, MoEF,	Agreed and will be complied

**Panchagavi Laterite Mine, Village- Panchagavi, Taluka-Ramdurg, District- Belgaum, Karnataka**

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	Bengaluru.	
11	The Project authorities should inform the SEIAA Karnataka, Department of Environment and Ecology, Govt. of Karnataka, the Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Belgaum and the Regional Office, MoEF, Bengaluru regarding date of financial closures and final approval of the project by the concerned authorities and the date of start of land development work.	Agreed. We have obtained the consent to Establishment from Karnataka State Pollution Control Board via. letter no. 284 / PCB / MIN / CFE / 2014-15/1682 Dated 27 Feb. 2014 and applied to KSPCB for Consent for Operation (CFO) via. letter no. JKCW / ENV. / Panchgavi mine /57/05 dated 06-02-2015.
12	The Regional Office of MoEF, Bengaluru; the Department of Environment and Ecology , Govt. of Karnataka, the Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Belgaum and the Karnataka state pollution Control Board shall monitor compliance of the stipulated conditions. The project authorities should extend full co-operation to the officer \s) of these offices by furnishing the requisite data/ information/ monitoring reports.	Agreed
13	The Project Proponent shall submit six monthly report on the status of the implementation of the stipulated environmental safeguards to the SEIAA Karnataka, Department of Environment and Ecology, Government of Karnataka, the Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Belgaum and the Regional Office, MoEF, Bengaluru; the central Pollution Control Board and the Karnataka State Pollution Control Board.	Agreed
14	A copy of the clearance letter will be marked to the concerned Panchayat Local NGO, if any, from whom suggestion/ representation has been received while processing the proposal.	Complied
15	The Project Proponent should display the conditions prominently at the entrance of the project on a big panel board for the information of the public.	Will be complied
16	The Karnataka State Pollution Control Board should display a copy of the clearance letter at the Regional office, District Industry Centre and Collector's office/ Tehsildar's office for 30 days.	Complied
17	The project authorities should advertise at least in two local newspapers widely circulated, one of which shall be	Complied. It was advertised in two local newspaper viz

**Panchagavi Laterite Mine, Village- Panchagavi, Taluka-Ramdurg, District- Belgaum, Karnataka**

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	in the vernacular language of the locality concerned within 7 days of the issue of the clearance letter informing that the project has been accorded environment clearance and a copy of the clearance letter is available with the state pollution control Board and also at website of the Authority at <a href="http://www.seiaa.kar.nic.in">http://www.seiaa.kar.nic.in</a> and a copy of the same should be forwarded to the Department of Environment and Ecology, Government of Karnataka, The Regional Director (Environment), Department of Environment and Ecology, Government of Karnataka, Belgaum and the Regional office, MoEF, Bengaluru.	The Hindu and Vijayavani, Belgaum on dated 09-01-2015. A copy of the same has been submitted to Member Secretary, State Level Environmental Impact Assessment Authority (SEIAA), Bangalore, The Secretary to Government, (Environment and Ecology), Department of Forest Environment & Ecology, Bangalore, The APCCF, MoEF, Bangalore, The Regional Director (Environment), Department of Environment and Ecology, Belgaum, Member Secretary, KSPCB, Bangalore and Regional Officer, KSPCB, Bagalkot
18	Concealing factual data or submission of false/ fabricated data and failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (protection) Act, 1986.	Agreed
19	Any appeal against this environmental clearance shall lie with the national Green Tribunal, if preferred, within a period of 30 days as prescribed under section 16 of the National Green Tribunal Act, 2010.	Agreed
20	The SEIAA or any other competent authority may alter / modify the above conditions or stipulate any further condition in the interest of environment protection.	Agreed
21	Failure to comply with any of the conditions mentioned above may result in withdrawal of this clearance and attract action under the provisions of Environment (protection) Act, 1986.	Agreed
22	The above conditions will be enforced inter-alia, under the provisions of the water (prevention & Control of Pollution) Act, 1974, the Air (Prevention & Control of Pollution) Act, 1981, the Environment (protection) Act, 1986 and the public Liability Insurance Act, 1991 along with their amendments and rules made there under.	Agreed



**Panchagavi Laterite Mine, Village- Panchagavi, Taluka-Ramdurg, District- Belgaum, Karnataka**

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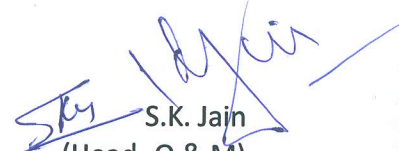
**Compliance Report for the period from 25th December 2014 to March-2015**

We hope, you will find our reply in order.

Thanks with regards,

Yours faithfully

For Panchagavi Laterite Mine, M/s J.K. Cement Works, Muddapur

  
S.K. Jain  
(Head- O & M)

# PANCHAGAVI LATERITE MINES, (KARNATAKA)

(Unit: Jk Cement Ltd.)

AAQM REPORT (SO<sub>2</sub>, NO<sub>x</sub>, PM 10, SPM) FROM January-2015 TO March-2015

( ALL VALUES IN MICROGRAMS / CUBIC METER )

Month	Sl. No.	Date	Week	SO <sub>2</sub>				NOx				PM <sub>10</sub>				SPM			
				Locations				Locations				Locations				Locations			
				A	B	C	D	A	B	C	D	A	B	C	D	A	B	C	D
J A N U A R Y	1	2.1.2015	5th	7.3	6.3	8.5	6.8	11.5	12.5	12.8	10.7	45.9	46.3	43.6	42.6	117.7	114.8	116.9	118.12
	2	6.1.2015		7.0	6.8	8.7	7.8	13.0	12.5	11.2	12.2	46.6	47.4	46.1	44.1	122.3	115.2	118.5	120.17
	3	9.1.2015	6th	7.5	7.8	6.8	7.5	13.5	12.8	12.0	12.3	43.9	48.7	47.1	45.6	122.5	118.9	122.1	124.16
	4	13.1.2015		7.8	7.2	7.3	8.0	12.8	12.5	11.5	12.3	45.9	45.8	45.5	47.7	117.3	119.8	121.3	119.88
	5	16.1.2015	7th	6.7	6.8	9.5	6.7	13.5	11.7	12.8	11.5	47.4	45.2	48.1	51.2	119.5	120.2	123.4	122.44
	6	20.1.2015		7.8	7.7	8.0	8.0	12.3	12.8	11.0	11.0	49.2	46.3	50.2	47.2	118.4	120.5	116.5	118.95
	7	23.1.2015	8th	7.5	7.5	8.2	7.5	12.0	13.8	11.2	12.5	46.4	47.7	47.6	47.6	115.7	119.4	117.0	116.64
	8	27.1.2015		7.3	7.2	6.8	8.6	13.7	13.3	12.8	11.8	48.6	45.1	49.3	46.5	119.2	121.1	120.0	120.66
Average				7.4	7.2	8.0	7.6	12.8	12.7	11.9	11.8	46.7	46.6	47.2	46.6	119.1	118.7	119.5	120.1
F E B R U A R Y	1	2.2.2015	5th	6.5	9.2	7.5	6.0	11.5	12.5	10.0	11.0	45.8	44.0	45.6	47.1	112.2	107.3	108.1	117.31
	2	5.2.2015		9.0	6.8	7.5	8.0	10.5	10.5	11.5	12.5	46.5	48.7	46.5	47.7	114.4	111.5	112.0	112.95
	3	9.2.2015	6th	7.5	9.5	8.2	9.5	12.3	12.2	12.5	14.5	46.9	47.4	46.3	46.8	111.7	109.2	111.5	115.30
	4	12.2.2015		10.5	7.5	7.0	7.5	11.8	12.5	13.2	16.0	46.8	46.0	47.4	45.0	113.7	113.5	111.1	111.93
	5	16.2.2015	7th	6.5	5.5	7.7	9.5	12.3	12.2	12.5	14.5	47.1	49.9	50.3	46.1	113.7	118.4	112.3	114.77
	6	19.2.2015		10.5	7.5	8.0	7.7	11.5	10.8	12.3	11.5	46.4	47.8	47.8	47.6	107.3	110.2	110.0	112.94
	7	23.2.2015	8th	6.5	9.0	7.5	9.5	10.5	11.5	12.0	13.5	47.6	45.7	47.3	45.7	110.3	102.0	112.9	118.64
	8	26.2.2015		9.5	9.5	7.5	6.8	11.7	12.3	12.5	14.8	47.7	47.5	45.3	46.5	112.1	113.6	111.8	117.88
Average				8.3	8.1	7.6	8.1	11.5	11.8	12.1	13.5	46.9	47.1	47.1	46.6	111.9	110.7	111.2	115.2
M A R C H	1	3.3.2015	5th	7.2	7.3	6.3	8.8	11.5	12.8	12.2	11.8	44.7	42.1	45.4	55.3	124.3	141.1	143.4	143.33
	2	6.3.2015		7.5	7.7	7.5	8.5	10.8	13.3	12.7	10.5	46.7	42.8	47.7	72.3	126.0	141.2	145.1	142.15
	3	10.3.2015	6th	7.7	7.5	6.5	7.7	11.5	11.3	12.5	12.7	46.8	44.0	45.2	71.0	122.6	141.9	143.0	143.09
	4	12.3.2015		8.0	7.8	11.5	7.5	11.3	11.5	13.5	12.8	52.4	42.8	45.7	60.0	121.3	141.0	144.2	142.33
	5	14.3.2015	7th	7.5	7.0	9.0	6.8	12.3	12.7	14.0	14.5	52.5	43.1	44.5	62.7	123.2	142.6	144.4	142.32
	6	16.3.2015		8.0	7.3	8.8	8.0	11.2	13.5	13.7	12.3	49.7	40.2	44.1	64.7	122.6	141.4	144.3	141.68
	7	18.3.2015	8th	7.5	8.7	6.5	7.2	10.8	13.2	13.7	11.3	43.4	40.0	44.9	72.3	123.1	141.6	144.8	143.01
	8	20.3.2015		7.7	7.2	9.2	8.2	10.7	12.2	13.3	12.5	49.6	38.8	45.3	64.0	119.4	141.5	143.5	143.23
Average				8.0	7.6	8.2	7.8	11.3	12.6	13.2	12.3	48.2	41.7	45.4	65.3	122.8	141.5	144.1	142.6

## Panchagavi Laterite Mines, (Karnataka)

(Unit of J.K. Cement Ltd.)

PM 2.5 MONITORING REPORT FROM JANUARY-2015 TO MARCH-2015

Site	Month	Date	Monitoring Location	Parameter PM 2.5 ( $\mu\text{g}/\text{m}^3$ )
Panchagavi Mines	Jan-15	2.1.2015	A	44.5
		5.1.2015	B	41.2
		8.1.2015.	C	40.6
		10.1.2015	D	38.5
Panchagavi Mines	Feb-15	2.2.2015	A	36.2
		6.2.2015	B	48.2
		9.2.2015	C	41.5
		11.2.2015	D	39.5
Panchagavi Mines	Mar-15	3.3.2015	A	35.6
		5.3.2015	B	36.8
		9.3.2015	C	42.5
		12.3.2015	D	48.5