वेस्टर्न कोलफील्ड्स लिमिटेड

Western Coalfields Limited

(A Mini Ratna Company) (A Subsidiary of Coal India Ltd)

Regd Office : Coal Estate, Civil Lines, Nagpur – 440 001 (MS)

Office of Chief Vigilance Officer

Telefax : (0712) 2510300 email- cvo.wcl.cil@coalindia.in

Website : www.westerncoal.gov.in

CIN – U10100MH1975GOI018626

प. क्र : वेकोलि/सतर्कता/२०२२/ss/ दि : 06.09.2022

Report of study on inter-wagon variability of coal quality in 60 wagons done at Ghugus railway siding, Wani area of Western Coal Fields Limited

CVO CIL (Vide letter No.CIL/VIG/Coal Quality/2022/133 dated 20.06.2022) desired for conducting inter-wagon quality- variability study for one or two rakes in WCL. (Annexure A). The samples were to be collected from siding with maximum dispatches in Western Coal Fields Limited and submitting results of such samples viz., GCV, moisture and ash, to understand the inter-wagon variability existing in a rake.

Accordingly, a committee was constituted after competent approval vide no. WCL/VIG/GM(V)/2022/910 dt.25.06.2022 & WCL/VIG/GM(V)/2022/SS/1262 dt.18.08.2022 for collection of coal samples from all the wagons in a rake and prepare different laboratory samples with each laboratory sample representing the average GCV of a single wagon (Annexure B).

For the purpose a team consisting of officers from Vigilance and Quality Control department (HQ) was formed. The details of the team constituted is as below:

Team
1. Shri Sarikonda Trinadh, Sr. Mgr.(M)/QC
2. Shri Shashendra Singh Chief Mgr.(M)/Vigilance
3. Shri R.S. Chauhan, Sr. Mgr.(M)/Vigilance

Date and Place of Inspection by the teams:

It was decided to carry out the Study at Ghugus Siding of Wani Area, WCL on 23.08.2022 and 24.08.2022. The samples were collected from all the Wagons in a rake and each wagon represented a sample. The samples were prepared in the Ghugus lab on 24.08.2022.

Details of Rake:

RAKE NO.: 79, FOIS NO. NTFG 240415171919	WEIGHT OF COAL: 3440.92 TN
TIME OF PLACEMENT: 13:30	TIME OF COMPLETION: 16:15
DESTINATION: CTPS, CHANDRAPUR	PLACE OF LOADING: New Siding Ghugus siding, Wani Area

Sample Collection Procedure: The siding was inspected and the procedure of collection of samples made aware to Technical Inspectors at the siding.

- It was decided to collect samples from each of the boxes/wagons from the placed rake.

- The samples were collected from 3 places in each wagon to form a single representative sample of the rake of 30 kgs.
- As the samples were 60 in number, it was decided to make/ensure arrangement of adequate supervision by providing Technical Inspectors/officers on the sampling personnel/teams who were to be provided by the Area for actual sample collection and also for preparation of the samples (final lot of 2 Kgs) in the lab.
- It was to be ensured that the sampling procedures as laid down in FSA was to be followed.
- Videography of the sample collection and preparation was to be done.

Details of inspection attached as Annexure 1.

Analysis of Collected Samples and Results:

- All the samples collected were provided with separate codes and given for analysis at CCTRL Sampling Lab at Indora, Nagpur.
- The results of the samples on Air dried basis and Equilibrated basis are attached as Annexure-2.

Observations:

Variation in Grades: Wani Area

Declared Grade	Grades	No. of Samples	% of Total samples taken	Weight of Coal (TN) in sampled boxes
G10	G8	01	1.67	58.79
	G9	11	18.33	636.41
	G10	17	28.33	999.97
	G11	15	25	862.18
	G12	09	15	523.12
	G13	06	0.1	360.45
	G14	0	-	-
	G15	0	-	-
	G16	0	-	-
	G17	0	-	-
	Total Samples	60	-	3440.92

Total coal dispatched in the rake = 3440.92 TN

Sarikonda Trinath
Sr. Mgr.(M)/QC

Ravinder Singh Chauhan
Sr. Mgr.(M)/Vig

Shashendra Singh
Ch. Mgr.(M)/Vigilance

ANNEXURE-A

सरोज कुमार साड़ंगी, आई.आर.एस.
S K Sadangi

मुख्य सतर्कता अधिकारी
Chief Vigilance Officer

A Maharatna Company

Azadi Ka Amrit Mahotsav

कोल इण्डिया लिमिटेड
Coal India Limited
(A Govt. of India Enterprise)
"COAL BHAWAN"
Premises No. 04 MAR, Plot No. AF-III
Action Area - 1A, New Town, Rajarhat
Kolkata 700156 (WB)

DO No. CIL/VIG/Coal Quality/2022/133 Date: 20.06.2022

Sub: Inter-wagon variability of coal quality.

My dear Shri Srivastava,

Last week, I had an opportunity to interact with an expert on coal quality from a globally reputed coal testing agency. Upon noticing that the said global agency undertakes testing of coal for several private and public companies of India, I requested him to share their experience on the variability of coal quality in Indian coal deposits, particularly GCV, which they might have encountered during testing. His understanding on this subject and the studies they had conducted on quality variability were highly enriching and truly revealing.

Just to give one example, during the long discussion, I learnt that for many private coal purchasers, the sampling procedure adopted by this agency is to collect two gross samples from every truck of coal received coal sellers. Each gross sample is reduced to separate laboratory samples as per applicable specification and tested for the sought after properties such as GCV, Moisture and ash. The average of the two test results is taken up as the representative property (such as GCV or grade) for that truck. This would obviously mean a very large number of sampling and testing exercises for a fleet of truck per day. The expert explained that it was imperative to do so if one wants to achieve a reasonable accuracy in predicting the quality of coal contained in the truck [*In Coal India, one gross sample is collected from each 7th truck dispatched in a given day and aggregated to form a single gross sample and tested in the laboratory. The grade found from testing is presumed to be the tested grade for all trucks dispatched during that day*]. Asked so many samples, he narrated a very interesting study they had conducted to regarding variation of coal quality at different locations within a single truck i.e intra-truck variation.

For this experiment, what this agency did was to take 10 gross samples from different locations of a single truck (instead of 2 gross samples). Each gross sample was reduced to separate laboratory sample and tested in the lab. Then the average GCV of every pair of samples (number of such sample-pairs would be $^{10}C_2 = 90$) was calculated. When they plotted the GCV of all 90 pairs they noticed that the difference between the minimum and maximum within the single truck was an more than 1000 GCV. Although, expectedly, the 90 GCVs were normally distributed the co-efficient of variation (the standard deviation / Mean) was very high suggesting a much wider

Ph. (033)2324 4134/4152, Fax: 2324 4055
E-Mail: cvo.cil@coalindia.in

dispersion of GCV. The expert also stated that they have found such astounding difference not only within a truck but also among wagons of a rake and within a single wagon. **The expert's study seems to be in conformity with the massive spatial variability of GCV within a single seam, even over short distances, which we had observed from the field experiments conducted in several subsidiaries including WCL.**

From the above discussion it transpired in my mind that we too can easily conduct an inter-wagon quality-variability study for one or two rakes. As you know, currently the gross sample for a rake is made out of 50Kgs of coal collected from 6 random wagons and a single laboratory sample prepared out of the collected 300 Kg (50Kg x 6). What we can do is to a take larger number of random wagons (*at least 30, to make it statistically significant*) and prepare 30 separate laboratory samples with each laboratory sample representing the average GCV of a single wagons. These 30 laboratory samples can then be independently tested to get a data set of 30 GCVs (also moisture and ash). This data set can then be analyzed in the laboratory to find out what kind of inter-wagon variability exists in a rake. The rake for this experiment can preferably be selected from a siding that handles a significant quantity of coal per day.

As you would appreciate such a study will enhance our knowledge on quality variation which remains a crucial aspect in our ongoing preventive initiative to improve, in every manner possible, the quality of coal dispatched to customers. May I therefore request you to conduct such a study in your subsidiary as soon as possible?

With best wishes ...

Yours sincerely,

(S K Sadangi)

To
Shri Amit Kumar Srivastava
Chief Vigilance Officer
Western Coalfields Limited
Nagpur.

Ph. (033)2324 4134/4152, Fax: 2324 4055
E-Mail: cvo.cil@coalindia.in

ANNEXURE-B

वेस्टर्न कोलफील्ड्स लिमिटेड
(एक मिनिरत्न कंपनी)
भारत सरकार का उपक्रम
(कोल इंडिया लिमिटेड की एक सहायक कंपनी)
मुख्य सतर्कता अधिकारी का कार्यालय
टेली फ़ैक्स क्रमांक (0712) 2510300
ईमेल : cvo.wcl.cil@coalindia.in

Western Coalfields Limited
(A MINI RATNA COMPANY)
(A Govt. of India Undertaking)
(A Subsidiary of Coal India Limited)
OFFICE OF THE CHIEF VIGILANCE OFFICER
Phone & FAX . : (0712) 2510300
email :cvo.wcl.cil@coalindia.in

Regd. Off. : Coal Estate, Civil Lines, Nagpur – 440 001. पंजीकृत कार्यालय : कोल इस्टेट, सिविल लाइंस, नागपुर - 440 001

Ref.No. WCL/ VIG/GM(V)/2022/ 910 Dated : 25-06-2022

OFFICE ORDER

To conduct a study of Inter-wagon variability of coal quality, two teams consisting of below mentioned officers from Vigilance and Quality Control Departments have been constituted :-

A. Team 'A' :
   1. Shri Shashendra Singh, Chief Mgr.(M)/Vig.
   2. Shri Sarikonda Trinadh, Sr. Manager (QC)

B. Team 'B' :
   1. Shri Jai Karan Ashia, General Manger(QC)
   2. Shri Naidu Srinivasa Rao, Chief Mgr.(M)/Vig.

Team 'A' will conduct the study at Ghugus Siding and Team'B' at Umrer Siding on 29-06-2022.

25/6/2022
महाप्रबंधक(खनन)/सतर्कता

Copy to :-

1. AGM, WCL, Wani Area / Umrer Area...with request to facilitate the above study.
2. GM(QC), WCL HQ,...with request release the executive concerned on above mentioned date.
3. Executives Concerned.

Copy for information to :
TS to D(T)/OP, WCL

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Website : www.westerncoal.gov.in
CIN – U10100MH1975GOI018626

प. क्र : वेकोलि/महाप्र(सतर्कता)/2022/शसि/ 1262 दि :18.08.2022
22

प्रति:
महाप्रबंधक(गुणवत्ता नियंत्रण)
वेस्टर्न कोलफील्ड्स लिमिटेड
नागपूर

Sub: Collection of samples from Wagons-Wani Area
Ref.: WCL/VIG/GM(V)/2022/910 DATED 25.06.2022

Dear Sir,

As directed by the competent authority a team consisting of the following members is formed to carry out sampling of all the wagons in a rake at Ghugus Siding, Wani Area on 23.08.2022 & 24.08.2022.

1. Shri Shashendra Singh-Ch. Mgr.(M)/V. O
2. Shri R.S.Chauhan- Sr.Mgr.(Survey)/V. O
3. Shri S. Trinadh-Sr. Mgr. (QC), WCL HQ

This is for your kind information and necessary.

महाप्रबंधक(सतर्कता)
वे.को.लि.मुख्यालय
नागपूर

Annexure 1

GHUGUS RAILWAY SIDING WANI AREA	
Date Of Sample Collection: 23rd August 22	Date of Sample Preparation: 24th August 2022

Name of the Officers/Members in the Team	Shri Shashendra Singh, Chief Mgr.(M)/Vigilance Shri Ravinder Singh Chauhan, Sr. Mgr.(M)/Vigilance Shri Sarikonda Trinath, Sr. Mgr.(M)/QC
SOURCE MINE: PENGANGA OCM	**GRADE OF COAL: G10**

Name of the Officers who accompanied during Sampling and Sample preparation Process:

Name of the officer	Designation	Mobile Number
Shri O.P. Fulare	SAM, Ghugus	9424666269
Shri Thakre	Siding Incharge, Ghugus Siding	8459264070

RAKE DETAILS:

RAKE NO.: 79, FOIS NO. NTFG 240415171919	WEIGHT OF COAL: 3440.92 TN
TIME OF PLACEMENT: 13:30	TIME OF COMPLETION: 16:15
DESTINATION: CTPS, CHANDRAPUR	PLACE OF LOADING: New Siding Ghugus siding, Wani Area

COLLECTION OF SAMPLES:

Source Mine: **Penganga OCM**	Declared Grade: G10	
No of samples collected	59	
Every Wagon	**COLLECTION CODE**	**Weight (TN)**
Group A	A1 to A12	718.81
Group B	B1 to B12	698.21
Group C	C1 to C12	696.98
Group D	D1 to D12	705.09
Group E	E1 to E11	621.83

Sarikonda Trinath
Sr. Mgr.(M)/QC

06/09/22
Ravinder Singh Chauhan
Sr. Mgr.(M)/Vig

6/9
Shashendra Singh
Ch. Mgr.(M)/Vigilance

ANNEXURE 2

Study of Inter Wagon Variability : Ghugus New Siding, Wani Area

ANALYSIS RESULTS OF SAMPLES (CCTRL Nagpur)

Grade of Ghugus New Siding : Penganga OCM: G10 & Naigaon OCM(Cost Plus): G10							Source Mine for Rake sampled : Penganga OCM(G10), Destination of Rake: CTPS, Chandrapur							
WAGON NUMBER	Weight (T)	Sample No.(beginning from Engine)	Code of prepared sample -LAB	AD DATE	EQ DATE	AD M%	EQ.M%	AD ASH %	EQ.ASH %	AD GCV	AD Grade	EQ.GCV	EQ.GRADE	DECLARED GRADE
EC 21084	56.19	1	A1	01/09/2022	12/09/2022	8.75	6.62	33.33	34.11	4096	G11	4192.0	G11	G10(Penganga OCM)
ECO 39200	55.5	2	A2	01/09/2022	12/09/2022	8.37	7.27	30.70	31.07	4350	G10	4402.0	G10	
EC 16800	60.59	3	A3	01/09/2022	12/09/2022	9.89	7.72	30.76	31.50	4288	G11	4391.0	G10	
EC 92780	59.09	4	A4	01/09/2022	12/09/2022	9.16	6.86	30.24	31.01	4379	G10	4490.0	G10	
SC 53614	56.69	5	A5	01/09/2022	12/09/2022	10.28	6.87	30.37	31.52	4368	G10	4534.0	G10	
ECO 39779	56.59	6	A6	01/09/2022	12/09/2022	10.59	7.63	29.43	30.40	4469	G10	4617.0	G9	
ER 60096	61.09	7	A7	01/09/2022	12/09/2022	8.70	6.34	38.24	39.23	3782	G9	3880.0	G12	
SE 01604	65.6	8	A8	01/09/2022	12/09/2022	9.79	6.89	32.04	33.07	4169	G11	4303.0	G10	
SE 60011	62	9	A9	01/09/2022	12/09/2022	10.16	9.03	24.26	24.57	4836	G9	4897.0	G9	
SEC 67018	62.29	10	A10	01/09/2022	16/09/2022	9.56	6.03	31.89	33.13	4174	G11	4337.0	G10	
ECO 10039	59.49	11	A11	01/09/2022	16/09/2022	6.92	6.38	39.62	39.85	3713	G12	3735.0	G12	
ECO 20464	63.69	12	A12	01/09/2022	16/09/2022	9.62	6.29	34.18	35.44	3913	G12	4057.0	G11	
EC 15797	62.4	13	B1	30/08/2022	08/09/2022	7.43	5.55	43.61	44.50	3582	G13	3655.0	G13	
EC 10431	61.79	14	B2	30/08/2022	08/09/2022	7.43	5.45	43.29	44.21	3600	G13	3677.0	G13	
EC 79361	62.19	15	B3	30/08/2022	08/09/2022	8.28	6.50	41.37	42.17	3678	G13	3749.0	G13	
ECO 28076	58.19	16	B4	30/08/2022	08/09/2022	7.98	6.81	40.48	40.99	3729	G12	3776.0	G12	
NR 61184	55.39	17	B5	30/08/2022	08/09/2022	7.90	6.79	41.08	41.58	3578	G13	3621.0	G13	
ECO 20068	55.59	18	B6	30/08/2022	08/09/2022	8.31	6.86	39.14	39.75	3786	G12	3846.0	G12	
EC 12048	53.3	19	B7	30/08/2022	08/09/2022	8.12	6.87	40.14	40.69	3777	G12	3828.0	G12	
ECO 95481	55.09	20	B8	30/08/2022	08/09/2022	8.77	6.55	35.78	36.65	4001	G11	4098.0	G11	
EC 16923	58.5	21	B9	30/08/2022	08/09/2022	8.97	6.85	36.18	37.02	4031	G11	4124.0	G11	
SC 10148	60.49	22	B10	30/08/2022	12/09/2022	8.31	6.10	40.68	41.66	3654	G13	3742.0	G12	
SEC 22563	57.29	23	B11	30/08/2022	12/09/2022	8.44	5.50	42.05	43.40	3535	G13	3649.0	G13	
ER 60869	57.99	24	B12	30/08/2022	12/09/2022	8.44	5.97	41.12	42.23	3653	G13	3752.0	G12	
WE 60381	55.09	25	C1	29/08/2022	05/09/2022	10.99	7.24	26.70	27.82	4674	G9	4871.0	G9	
ECO 90806	58.79	26	C2	29/08/2022	05/09/2022	11.41	7.13	26.18	27.44	4675	G9	4901.0	G8	
SEC 23041	54.19	27	C3	29/08/2022	05/09/2022	10.82	7.68	25.46	26.36	4708	G9	4873.0	G9	
ECO 47401	58.09	28	C4	29/08/2022	05/09/2022	10.43	6.15	25.61	26.83	4673	G9	4896.0	G9	
ER 60674	56.39	29	C5	29/08/2022	05/09/2022	9.16	6.70	37.73	38.94	3824	G12	3936.0	G12	
NR 95104	58.69	30	C6	29/08/2022	05/09/2022	8.89	6.48	35.76	36.70	4060	G11	4167.0	G11	
SR 55537	60.59	31	C7	29/08/2022	05/09/2022	8.69	6.5	35.46	36.31	3849	G12	3941.00	G12	
NB 93494	59.89	32	C8	29/08/2022	05/09/2022	10.11	6.43	30.09	31.32	4016	G11	4180	G11	
ECR 77097	54.89	33	C9	29/08/2022	05/09/2022	7.59	6.45	37.86	38.33	4418	G10	4473	G10	
ECR 22153	60.09	34	C10	29/08/2022	05/09/2022	10.5	7.30	31.51	32.63	4295	G11	4449	G10	
ECR 22948	60.09	35	C11	29/08/2022	08/09/2022	9.08	7.01	30.67	31.37	4278	G11	4375	G10	
ECR 79002	60.19	36	C12	29/08/2022	08/09/2022	9.3	7.56	33.47	34.11	4216	G11	4297	G11	
EC 16565	65.09	37	D1	26/08/2022	29/08/2022	6.48	6.17	33.94	34.05	4222	G11	4235	G11	
ECO 19871	56.9	38	D2	26/08/2022	29/08/2022	9.2	7.09	94.71	35.52	4218	G11	4316	G10	
ER 62313	59.99	39	D3	26/08/2022	29/08/2022	10.09	7.15	34.25	35.37	4148	G11	4284	G11	
SCR 11056	55.49	40	D4	26/08/2022	29/08/2022	9.88	7.71	35.18	36.03	4078	G11	4115	G11	
ECOR 43269	56.29	41	D5	26/08/2022	29/08/2022	9.72	7.56	35.94	36.8	4023	G11	4119	G11	
ECR 76854	53.99	42	D6	26/08/2022	29/08/2022	9.73	7.26	32.35	33.24	4329	G10	4448	G10	
ECOR 97720	51.39	43	D7	26/08/2022	29/08/2022	8.51	7.08	34.65	35.19	4146	G11	4211	G11	
SE 75029	55.19	44	D8	26/08/2022	29/08/2022	7.68	6.9	32.48	32.75	4313	G10	4349	G10	
SE 63951	63.89	45	D9	26/08/2022	29/08/2022	11.13	7.84	29.21	30.29	4350	G10	4511	G10	
ECOR 40287	63.49	46	D10	26/08/2022	02/09/2022	11.19	8.02	28.27	39.28	4548	G10	4710	G9	
ECOR 33135	61.99	47	D11	26/08/2022	02/09/2022	11.22	7.52	28.43	39.61	4594	G10	4785	G9	
ECR 15038	61.39	48	D12	26/08/2022	02/09/2022	11.09	7.74	27.74	28.79	4659	G9	4834	G9	
SC 41369	58.19	49	E1	27/08/2022	02/09/2022	9.91	7.40	30.26	31.1	4348	G10	4469	G10	
ECR 14994	61.39	50	E2	27/08/2022	02/09/2022	9.24	5.58	41.63	43.3	3545	G13	3687	G13	
ECOR 27753	61.49	51	E3	27/08/2022	02/09/2022	8.73	6.78	31.1	31.76	4465	G10	4560	G10	
ECR 17517	58	52	E4	27/08/2022	02/09/2022	9.45	7.09	27.01	27.71	4744	G9	4867	G9	
ECR 92490	55.19	53	E5	27/08/2022	02/09/2022	8.4	6.78	31.58	32.14	4447	G10	4525	G10	
ECOR 32402	60.3	54	E6	27/08/2022	02/09/2022	7.55	6.48	32.57	32.94	4408	G10	4459	G10	
SR 01468	53.89	55	E7	27/08/2022	02/09/2022	9.98	6.82	30.36	31.43	4467	G10	4623	G9	
ER 90627	54.8	56	E8	27/08/2022	02/09/2022	9.53	7.23	36.54	37.46	3963	G12	4064	G11	
SEC 95447	55.59	57	E9	27/08/2022	02/09/2022	9.18	6.26	36.3	37.47	3979	G12	4107	G11	
SCR 10858	51.69	58	E10	27/08/2022	05/09/2022	10.02	6.33	28.48	29.65	4608	G9	4797	G9	
SE 53221	51.3	59	E11	27/08/2022	05/09/2022	9.72	780%	28.71	29.8	4140	G11	4297	G11	

[redacted]

Type:	PAID	Local	
Form:	COM.G. 23	**TAX Invoice Number:**	9922082712080316 Date: 23-08-2022

Invoice Number:	15	**Invoice Date:**	23-08-2022	**Distance (In KM):**	37
F/Note Number:	944.001	**F/Note Date:**	23-08-2022	**Handled By:**	P
Zone:	CR	**Traffic Type:**	GC	**Rate Type:**	
Wagons:	59	**Weight Unit:**	T	**Total Weight:**	3762.6
Class:	145A	**Rate:**	216	**Risk Rate:**	OR
Charged VIA:	TAE-CD			**Train/Wagon Load:**	T
Invoiced At:	GGS	**Weighed At:**	GGS	**Delivery Book/Folio No:**	-

Punitive Charge for Overloading:

Class:	2.0*145A	**Class:**	-
Rate:	432	**Rate:**	-

From Station / Siding:	GHUGUS, 27-MAHARASHTRA	**Code:**	GGS	01727176
To Station / Siding:	NEW THERMAL POWER STATION SDG, CHANDRAPUR , 27-MAHARASHTRA	**Code:**	NTPG	01727169
Consignor's Name:	M/S WESTERN COAL FIELD LTD.	**Code:**	WCF	
Address:	MS, 27-MAHARASHTRA	**GSTIN:**	27AAACW1578L1ZW	
Consignee's Name:	MAHARASHTRA STATE POWER GENERATION COMP LTD	**CODE:**	MSPG	
Address:	MS, 27-MAHARASHTRA	**GSTIN:**	27AAECM2935R1ZV	

Description of Goods

Commodity Code:	2991323
No of Articles:	0
Packaging Code:	1
Private Mark:	-

Weighment Particulars

Sender Weight:	0
Actual Weight:	3440.9
Chargeable Weight at Normal Rate:	3762.6
Over Weight Chargeable at Punitive Rate:	.6

Freight: Rs 812721.6/-

Other Charges		Rebates		Paid on Charges		Under Charges		Over Charges	
Code	Amount	Code	Amount	Code	Amount	Code	Amount	Code	Amount
POL1	259.2								
OTC	75264								
*GST	44413								

Total Freight: Rs 932658/-

For RMC Traffic:
Allocation and Other Details

Account Head:	-
Department to be Debited:	-
A. Officer:	-

Commodity Description: RUN OFF MINES COAL(ROM) (RAKE DEMAND)

*** GST Particulars:**

GSTIN OF SUPPLIER: DHRUBAJYOTI S.GUPTA 27AAAGM0289C2ZI FOR 27-MAHARASHTR
GSTIN OF CUSTOMER : 27AAECM2935R1ZV FOR 27-MAHARASHTRA
GST AMOUNT RS.44413(CGST@2.5%=RS.22206.13+SGST@2.5%=RS.22206.13)
TYPE:TRANSPORTATION OF GOODS BY RAIL, HSN CODE:996512
EXEMPTION : RC 19 OF 2017 DT: 30.06.2017

Wagon details of the Railway Receipt

Sr No.	Owning Rly	Type	Wagon Number	CC (T)	Tare (T)	No of Article	Commodity Code	Gross Wt(T)	DIP Measurement D.Ms Lts	DIP Measurement Wt(T)	Actual Wt(T)	Permissible CC Tonne	Over Weight(T) Total	Over Weight(T) Normal Rate	Over Weight(T) Punitive Rate	Chargeable Wt(T)
1	EC	BOBRNHSM1	73101321 084	56	25.61	0	2991323	81.8		0	56.19	63	0	0	0	63
2	ECO	BOBRM1	72120639 200	56	26	0	2991323	81.5		0	55.5	64	0	0	0	64
3	EC	BOBRNM1	72100316 800	56	25.61	0	2991323	86.2		0	60.59	65	0	0	0	65
4	EC	BOBRNHSM1	73101292 780	10	25.61	0	2991323	84.7		0	59.09	63	0	0	0	63
5	SC	BOBRNHSM1	73091353 614	56	25.61	0	2991323	82.3		0	56.69	63	0	0	0	63
6	ECO	BOBRNHSM1	73121339 779	56	25.61	0	2991323	82.2		0	56.59	63	0	0	0	63
7	ER	BOBRNM1	72020460 096	56	25.61	0	2991323	86.7		0	61.09	65	0	0	0	65
8	SE	BOBRM1	72079801 604	56	26	0	2991323	91.6		0	65.6	64	1.6	1	.6	65
9	SE	BOBRM1	72079960 011	56	26	0	2991323	88		0	62	64	0	0	0	64
10	SEC	BOBRNHSM1	73141467 018	55	25.61	0	2991323	87.9		0	62.29	63	0	0	0	63
11	ECO	BOBRNHSM1	73121910 039	56	25.61	0	2991323	85.1		0	59.49	63	0	0	0	63
12	ECO	BOBRNM1	72120420 464	56	25.61	0	2991323	89.3		0	63.69	65	0	0	0	65
13	EC	BOBRM1	72100315 797	56	26	0	2991323	88.4		0	62.4	64	0	0	0	64
14	EC	BOBRNHSM1	73101910 431	56	25.61	0	2991323	87.4		0	61.79	63	0	0	0	63
15	EC	BOBRNHSM1	73101279 361	56	25.61	0	2991323	87.8		0	62.19	63	0	0	0	63
16	ECO	BOBRNHSM1	73121128 076	56	25.61	0	2991323	83.8		0	58.19	63	0	0	0	63
17	NR	BOBRNM1	72030061 184	56	25.61	0	2991323	81		0	55.39	65	0	0	0	65
18	ECO	BOBRNM1	72120420 068	56	25.61	0	2991323	81.2		0	55.59	65	0	0	0	65
19	EC	BOBRM1	72100312 048	56	26	0	2991323	79.3		0	53.3	64	0	0	0	64
20	ECO	BOBRNHSM1	73121195 481	56	25.61	0	2991323	80.7		0	55.09	63	0	0	0	63
21	EC	BOBRM1	72100316 923	56	26	0	2991323	84.5		0	58.5	64	0	0	0	64
22	SC	BOBRNHSM1	73092110 148	63	25.61	0	2991323	86.1		0	60.49	63	0	0	0	63
23	SEC	BOBRNHSM1	73140922 563	63	25.61	0	2991323	82.9		0	57.29	63	0	0	0	63
24	ER	BOBRNM1	72020060 869	56	25.61	0	2991323	83.6		0	57.99	65	0	0	0	65
25	WR	BOBRNM1	72080360 381	56	25.61	0	2991323	80.7		0	55.09	65	0	0	0	65
26	ECO	BOBRNHSM1	73121190 806	56	25.61	0	2991323	84.4		0	58.79	63	0	0	0	63
27	SEC	BOBRNHSM1	73140923 041	56	25.61	0	2991323	79.8		0	54.19	63	0	0	0	63
28	ECO	BOBRNHSM1	73120947 401	56	25.61	0	2991323	83.7		0	58.09	63	0	0	0	63
29	ER	BOBRNM1	72029560 674	64	25.61	0	2991323	82		0	56.39	65	0	0	0	65
30	NR	BOBRNM1	72030395 104	56	25.61	0	2991323	84.3		0	58.69	65	0	0	0	65
31	SEC	BOBRNHSM1	73141355 537	56	25.61	0	2991323	86.2		0	60.59	63	0	0	0	63
32	EC	BOBRNHSM1	73101393 494	56	25.61	0	2991323	85.5		0	59.89	63	0	0	0	63
33	EC	BOBRNHSM1	73101077 097	56	25.61	0	2991323	80.5		0	54.89	63	0	0	0	63
34	EC	BOBRNM1	72100322 153	56	25.61	0	2991323	85.7		0	60.09	65	0	0	0	65
35	EC	BOBRNM1	72100322 948	56	25.61	0	2991323	85.7		0	60.09	65	0	0	0	65
36	EC	BOBRNHSM1	73101279 002	56	25.61	0	2991323	85.8		0	60.19	63	0	0	0	63
37	EC	BOBRNM1	72100316 565	56	25.61	0	2991323	90.7		0	65.09	65	.09	.09	0	65.09
38	ECO	BOBRM1	72120419 871	56	26	0	2991323	82.9		0	56.9	64	0	0	0	64

[redacted]

39	ER	BOBRNM1	72020062313	10	25.61	0	2991323	85.6	0	59.99	65	0	0	0	65
40	SC	BOBRNHSM1	73091711056	56	25.61	0	2991323	81.1	0	55.49	63	0	0	0	63
41	ECO	BOBRNHSM1	73121443629	56	25.61	0	2991323	81.9	0	56.29	63	0	0	0	63
42	EC	BOBRNHSM1	73101076854	56	25.61	0	2991323	79.6	0	53.99	63	0	0	0	63
43	ECO	BOBRNHSM1	73121197720	56	25.61	0	2991323	77	0	51.39	63	0	0	0	63
44	SE	BOBRNHSM1	73071575029	56	25.61	0	2991323	80.8	0	55.19	63	0	0	0	63
45	SE	BOBRNM1	72070263951	56	25.61	0	2991323	89.5	0	63.89	65	0	0	0	65
46	ECO	BOBRNHSM1	73121340287	56	25.61	0	2991323	89.1	0	63.49	63	.49	.49	0	63.49
47	ECO	BOBRNHSM1	73121333135	56	25.61	0	2991323	87.6	0	61.99	63	0	0	0	63
48	EC	BOBRNHSM1	73101315038	56	25.61	0	2991323	87	0	61.39	63	0	0	0	63
49	SC	BOBRNHSM1	73091341369	56	25.61	0	2991323	83.8	0	58.19	63	0	0	0	63
50	EC	BOBRNHSM1	73101314994	56	25.61	0	2991323	87	0	61.39	63	0	0	0	63
51	ECO	BOBRNM1	72120427753	58	25.61	0	2991323	87.1	0	61.49	65	0	0	0	65
52	EC	BOBRM1	72100317517	56	26	0	2991323	84	0	58	64	0	0	0	64
53	EC	BOBRNHSM1	73101292490	56	25.61	0	2991323	80.8	0	55.19	63	0	0	0	63
54	ECO	BOBRM1	72120532402	56	26	0	2991323	86.3	0	60.3	64	0	0	0	64
55	SE	BOBRNM1	72079801468	56	25.61	0	2991323	79.5	0	53.89	65	0	0	0	65
56	ER	BOBRM1	72020190627	56	26	0	2991323	80.8	0	54.8	64	0	0	0	64
57	SEC	BOBRNHSM1	73140895447	63	25.61	0	2991323	81.2	0	55.59	63	0	0	0	63
58	SC	BOBRNHSM1	73092110858	63	25.61	0	2991323	77.3	0	51.69	63	0	0	0	63
59	SE	BOBRNEL	72070153221	65	25	0	2991323	76.3	0	51.3	65	0	0	0	65
Total:						0		4955.20	0.0	3440.92	3761.00	2.18	1.58	0.60	3762.58