ESSENTIAL DETAILS SOUGHT (PART-2) BY MoEF&CC

1. **Please confirm incremental GLC (ambient) for PM_{10} and $PM_{2.5}$ due to the proposed project**

The details of the air quality modelling study conducted are presented as below;

As per the CPCB standards for boiler, the emission limit for PM concentration shall not exceed 800 mg/Nm^3 for small boilers of capacity 2 TPH- 10 TPH. SCL has proposed to install a biomass-based boiler of capacity 5 TPH. Therefore, air quality modelling was undertaken for a worst-case scenario considering the PM concentration of 800 mg/Nm^3. However, SCL is committed to reduce the PM concentration to 150 mg/Nm^3. Necessary air pollution control systems will be installed to limit the PM concentration as per the standards prescribed by Punjab Pollution Control Board.

Hence a revised air quality modelling was undertaken with PM concentration of 150 mg/Nm^3 which reduces the concentration by 5 folds. The estimated PM emission rate reduces from 4 kg/hr to 1 kg/hr. The estimated peak predicted GLC for PM_{10} is about 2.18 µg/m^{3}which is insignificant. The isopleths illustrating the dispersion phenomenon of PM_{10} is shown in **Figure 1**.

Figure 1: Predicted 24-Hrs Avg. GLC's of PM_{10} within 10 km Radius of the Study Area

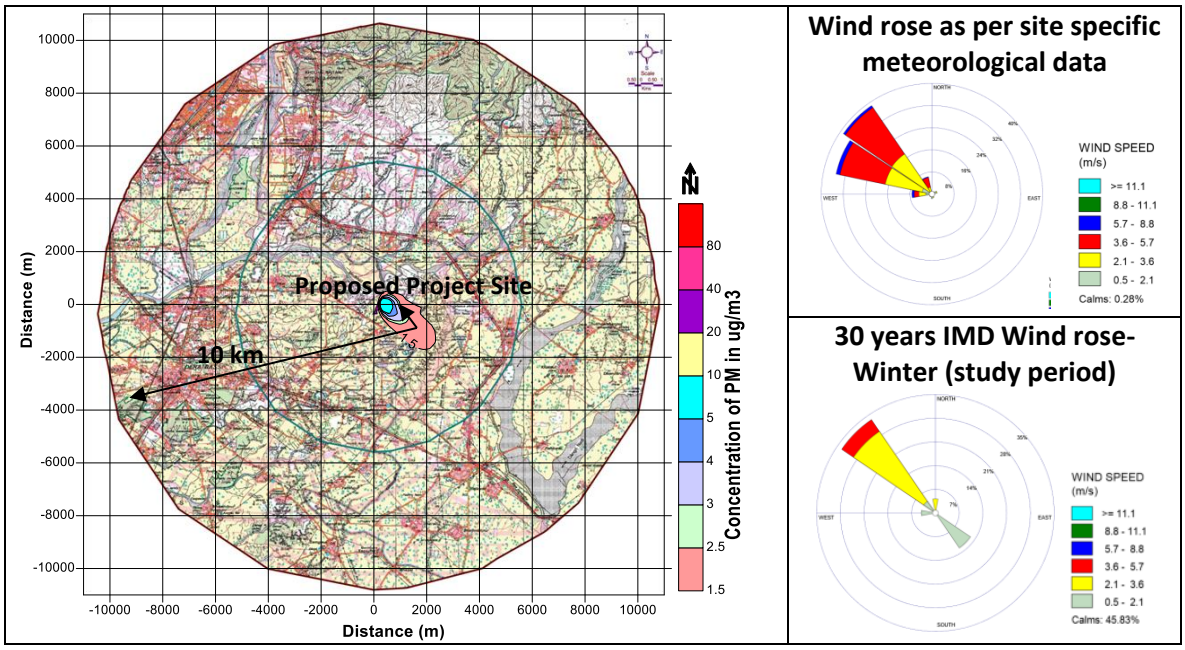

Table 2: Estimated Resultant GLC's of PM_{10} in the nearby villages

Code	Station	Direction*	Distance* (in km)	PM_{10} ($\mu g/m^3$) GLCs
AAQ1	TBRL Colony	NW	3.75	0
AAQ2	Pandwala	NW	3.10	0
AAQ3	Kami	SE	3.46	0.10
AAQ4	Alipur	SE	4.16	0.08
AAQ5	Kot	NE	3.51	0.002
AAQ6	Billa	NE	3.16	0.003
AAQ7	Mahiwala	SW	6.09	0
AAQ8	Derabassi	SW	6.46	0

Table 1 Summary of the predicted GLCs for PM_{10} and $PM_{2.5}$ in the nearby areas

Description	Unit	Value	Remarks
Peak Predicted PM_{10} incremental GLC	$\mu g/m^3$	2.18	Occurrence within the plant premises
Peak Predicted $PM_{2.5}$ incremental GLC	$\mu g/m^3$	0.436	

2. **As per attached NABET letter dated 16/8/2018, extension for accreditation till 16/11/2018 is subject to submission of required information/documents related to assessment on time to NABET.**

- Cholamandalam MS Risk Services Limited underwent NABET assessment on 12th – 14th March 2018 and was approved to be accredited with category A (**Minutes of Meeting is attached as Annexure).** The NABET Certificate is awaited
- As per the list of NABET accredited EIA consultants as published by QCI for November 2018 "List '1' – Accredited EIA Consultant Organizations (ACOs) - as on November 12, 2018", Cholamandalam MS Risk Services Limited is included **(SL No. 26)**

  Weblink: http://www.qcin.org/nabet/EIA/documents/Accredited%20consultants.pdf

26	**Cholamandalam MS Risk Services** **Address:** Dare House, IInd Floor, 2-NSC Bose Road, Chennai- 600001 **e.mail:**subbaraoNV@cholams.murugappa.com **Tel.:** 044-30445620 09840018455	1	Mining of minerals including Open cast/ Underground mining	A	1 (a) (i)
		3	River Valley projects	A	1 (c)
		4	Thermal power plants	A	1 (d)
		9	Cement plants	A	3 (b)
		10	Petroleum refining industry	A	4 (a)
		16	Chemical Fertilizers	A	5 (a)
		21	Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and	A	5 (f)

List of Accredited Consultant Organizations (Alphabetically) Rev. 71, November 12, 2018 Page 25

Scheme for Accreditation of EIA Consultant Organizations

NATIONAL ACCREDITATION BOARD FOR EDUCATION & TRAINING

QUALITY COUNCIL OF INDIA

QCI Office, 6th Floor, ITPI Building, Ring Road, I.P. Estate, New Delhi

Scheme for Accreditation of EIA Consultant Organizations

Accreditation Committee Meeting for Surveillance Assessment held on May 25, 2018

The following members were present during the meeting:

1. Prof. B.B. Dhar - Chairman
2. Dr. Nalini Bhat - Member
3. Dr. S. P.Chakrabarti - Member
4. Prof. Umesh Kulshrestha - Member

Dr. G.K. Pandey, Dr. S.R. Wate, Prof. G.J. Chakrapani and Prof. C.P. Kaushik, expressed their inability to attend the meeting.

Prof. B. B. Dhar chaired the meeting in absence of Dr. S.R. Wate.

Mr. A.K. Jha – Senior Director, Dr. Pawan Kumar Singh – Assisstant Director, and Ms. Ms. Meenakshi Arora - Accreditation Officer were present in the meeting.

Minutes of the Accreditation Committee meeting dt. May 11, 2018 were approved.

1.0 Case for Surveillance Assessment

The following case was discussed and decisions taken as noted below.

1.1 Aplinka Solutions & Technologies Pvt Ltd, Noida

The ACO has been assessed as per Version 3 of the Scheme. Result of the Surveillance assessment (SA1) is given below :

1.1.1 Category of Approval :

The ACO has scored more than 60% marks hence, it continues to be accredited with Cat. A.

1.1.2 Scope of Accreditation :

Sl. No.	NABET Scheme Sectors	Sector Description	Cat.	Sector No.(MoEFCC Notification dated Sep. 14, 2006 and Amendments)
1	1	Mining of minerals (opencast only)	A	1 (a) (i)

2	4	Thermal Power plants	B	1 (d)
3	31	Industrial estates/ parks/ complexes/areas, export processing Zones (EPZs), Special Economic Zones (SEZs), Biotech Parks, Leather Complexes	B	7 (c)
4	34	Highways	A	7 (f)
5	38	Building and construction projects	B	8 (a)
6	39	Townships and Area development projects	B	8 (b)

1.1.3 Sectors approved for EIA Coordinators (ECs)

a.Assessed as per SA norms – for ECs approved earlier:

Sl. No.	Name	Earlier approval status (in IA/subsequently)		Approval status (after SA)		Remarks
		Sectors approved	Cat.	Sectors approved	Cat.	
In-house						
1	Shekhar Upadhyay	1 (OC)	B	CWA	B	With Alert
		38	B	CA	B	
Empanelled						
2	Sanjay Kumar Singh	1 (OC)	A	CA	A	None
3	Anasua Nag	38	B	CA	B	None
		39	B	CA	B	

b. Assessed as per IA norms – for new Sectors of approved ECs and fresh ECs proposed:

Sl. No.	Name	Functional Area			Cat.	Remarks
		Applied	Recommended	Approved		
In-house						
1	Gokul Chandra Patnaik	4	Yes	Yes	B	None
2	Ashish Rana	38	Yes	Yes	B	None
		39	Yes	Yes	B	
3	Trapti Dubey	1	Yes	Yes	B	None
		38	Yes	Yes	B	
4	Amandeep Singh	38	Yes	Yes	B	None
5	Sushant Giridhar	1	Yes	Yes	B	None
		38	Yes	Yes	B	
		39	Yes	Yes	B	
Empanelled						
6	Anasua Nag	31	Yes	Yes	B	None
		34	Yes	Yes	A	

1.1.4 Functional Areas (FA) approved for Functional Area Experts (FAEs)

a. Assessed as per SA norms – for FAEs approved earlier:

Sl. No.	Name	Earlier approval status (in IA/subsequently)	Approval status (after SA)	Remarks

		FAs approved	Cat.	FAs approved	Cat.	
In-house						
1	Ashish Rana	SW	B	CA	B	.None
2	Trapti Dubey	AP	B	CA	B	*SW and HWonly.
		WP	B	CA	B	
		SHW*	B	CA	B	
3	Amandeep Singh	SW	B	CA	B	None
4	Shekhar Upadhyay	SE	A	CA	A	*With observation
		LU*	B	CA	B	
		EB	B	CA	B	
5	Sushant Giridhar	WP	B	CA	A	Upgraded to Cat A.
		AQ	B	CA	A	
6	Anju Saini	AP	B	CWA	B	With Alert
		WP	B	CWA	B	With Alert
		AQ	B	CA	B	With Observation
Empanelled						
7	P. Radhakrisnamoorthy	LU	B	CA	A	Upgraded to Cat A.
		HG	B	CA	A	
		Geo	B	CA	A	
8	Manoj Kumar Dwivedi	SC	A	CA	A	None
9	Pawan Kumar Bharti	Noise	B	CA	B	With Observation
10	Anasua Nag	EB	A	CA	A	None
		SHW	A	CA	A	
11	Sanjay Kumar Singh	NV	B	CWA	B	With Alert
		AP	A	CA	A	
12	Aneri Prabhat Singh	RH	B	CA	B	None

b.Assessed as per IA norms – approved experts for new functional areas and fresh FAEs proposed:

Sl. No.	Name	Functional Area			Cat.	Remarks
		Applied	Recommended	Approved		
Inhouse						
1	Gokul Chandra Patnaik	AP	Yes	Yes	B	None
		RH	Yes	Yes	B	
2	Pooja Verma	SHW*	Yes	Yes	B	*SW only.
		WP	Yes	Yes	B	
3	Ashish Rana	WP	Yes	Yes	B	None
4	Shashank Srivastava	SHW	Yes	Yes	B	None
		AQ	Yes	Yes	B	
		WP	Yes	Yes	B	
5	Anju Saini	SW	Yes	Yes	B	None
Empanelled						
6	Pawan Kumar Bharti	AP	Yes	Yes	B	None
7	Aneri Prabhat Singh	AP	Yes	Yes	B	None
		AQ	Yes	Yes	B	

1.1.5 Functional Area Associates (FAAs)

a. FAAS approved earlier:

Sl. No.	Name	Approval status (after SA)		Name of FAE/Mentor	Remarks
		FA	Status		
In-house					
1	Sapna Mishra	WP	Continue	Sushant Giridhar	None
		AP	Continue	Trapti Dubey	

b.FAAs Proposed:

Sl. No.	Name	Approval status (after SA)		Name of FAE/Mentor	Remarks
		Applied	Approved		
In-house					
1	Aashish Khatkar	NV	Yes	Sanjay Singh	None
		WP	Yes	Sushant Girdhar	

Note: The following will be communicated to the ACO by NABET
1. Detailed observations and reasons for alerts
2. Results of balance candidates and details of the assessment.

1.2 Cholamandalam MS Risk Services Limited,Chennai

The ACO has been assessed as per Version 3 of the Scheme. Result of the 3rd Surveillance assessment (SA) is given below :

1.2.1 Category of Approval :

The ACO has scored more than 60% marks hence, it continues to be accredited with Cat. A.

1.2.2 Scope of Accreditation:

Sl. No.	NABET Scheme Sectors	Sector Description	Cat.	Sector No.(MoEFCC Notification dated Sep. 14, 2006 and Amendments)
1	1	Mining of minerals	A	1 (a) (i)
2	3	River Valley Projects	A	1 (c)
3	4	Thermal power plants	A	1 (d)
4	9	Cement plants	A	3 (b)
5	10	Petroleum refining industry	A	4 (a)
6	16	Chemical Fertilizers	A	5 (a)
7	21	Synthetic organic chemicals industry (dyes & dye intermediates; bulk drugs and intermediates excluding drug formulations; synthetic rubbers; basic organic chemicals, other synthetic organic chemicals and chemical intermediates)	A	5 (f)
8	27	Oil & gas transportation pipeline (crude and refinery/ petrochemical products), passing through national parks/ sanctuaries/coral reefs /ecologically sensitive Areas including LNG terminal	B	6 (a)
9	24	Pulp & paper industry excluding manufacturing of paper from waste paper and manufacture of paper from ready pulp without bleaching	A	5 (i)
10	31	Industrial estates/ parks/ complexes/ Areas, export processing zones(EPZs), Special economic zones (SEZs), Biotech parks, Leather complexes	A	7 (c)
11	33	Ports, harbours, break waters and dredging	A	7 (e)
12	38	Building and construction projects	B	8 (a)
13	39	Townships and Area development projects	A	8 (b)

1.2.3 Sectors approved for EIA Coordinators (ECs)

a.Assessed as per SA norms – for ECs approved earlier:

Sl. No.	Name	Earlier approval status (in SA2/subsequently)		Approval status (after SA)		Remarks
		Sectors approved	Cat.	Sectors approved	Cat.	
In-house						
1	Sai Bhaskar Veluri	4	A	CA	A	None
		10	A	CA	A	
		21	A	CA	A	
		24	A	CA	A	
2	Ravishankar Durairaj	9	A	CA	A	None
		33	A	CA	A	
		38	B	CA	B	
Empanelled						
3	Bhupathi Raju Padmanaba	16	A	CA	A	None

b.Assessed as per IA norms – for new Sectors of approved ECs and fresh ECs proposed:

Sl. No.	Name	Functional Area			Cat.	Remarks
		Applied	Recommended	Approved		
In-house						
1	S. Sathya	24	Yes	Yes	A	None
		38	Yes	Yes	B	
		39	Yes	Yes	A	
2	Sai Bhaskar Velluri	33	Yes	Yes	A	None
3	P.V.R.S. Surendra	1	Yes	Yes	A	None
		3	Yes	Yes	A	
		4	Yes	Yes	A	
		31	Yes	Yes	A	
		38	Yes	Yes	B	
4	Vivek Naryan Singh	1	Yes	Yes	B	None
		27	Yes	Yes	B	
		4	Yes	Yes	B	

1.2.4 Functional Areas (FA) approved for Functional Area Experts (FAEs)

a. Assessed as per SA norms – for FAEs approved earlier:

Sl. No.	Name	Earlier approval status (in SA2/subsequently)		Approval status (after SA)		Remarks
		FAs approved	Cat.	FAs approved	Cat.	
In-house						
1	S. Sathya	SW	B	CA	A	Upgraded to Cat A.
2	T. Balakrishnan	EB	B	CA	A	Upgraded to Cat A.

Sl. No.	Name	Earlier approval status (in SA2/subsequently)		Approval status (after SA)		Remarks
		FAs approved	Cat.	FAs approved	Cat.	
3	C.S. Karthick	SE	B	CA	A	Upgraded to Cat A.
4	Sai Bhaskar Velluri	WP	A	CA	A	None
		AQ	A	CA	A	
		NV	A	CA	A	
		RH	A	CA	A	
5	Ravi Shankar Durairaj	AP	A	CA	A	None
		SHW	A	CA	A	
		RH	A	CA	A	
		WP	B	CA	B	
Empanelled						
6	T. P. Natesan	LU	A	CA	A	None
		HG	A	CA	A	
		Geo	A	CA	A	

b.Assessed as per IA norms – approved experts for new functional areas and fresh FAEs proposed:

Sl. No.	Name	Functional Area			Cat.	Remarks
		Applied	Recommended	Approved		
Inhouse						
1	Rajesh Kumar Verma	SE	Yes	Yes	A	None
2	Pavala Rajan. S	LU	Yes	Yes	B	None
3	Ganta Srikanth	AP	Yes	Yes	A	None
		WP	Yes	Yes	A	
4	P.R.S. Kamesh	AP	Yes	Yes	B	None
		AQ	Yes	Yes	B	
5	P.V.R.S. Surendra	SHW	-	-	-	Further Details to be sought from assessor on assessment
		AP	-	-	-	
		HG	-	-	-	
6	Vivek. N. Singh	EB	Yes	Yes	A	None
		SC	Yes	Yes	B	

1.2.5 Functional Area Associates (FAAs)

a.FAAs approved earlier:

Sl. No.	Name	Approval status (after SA)		Name of FAE/Mentor	Remarks
		FA	Status		
In-house					
1	Priyanka. C	AP	Continue	D. Ravishankar	None
		LU	Continue	T. P. Natesan	
2	Rajadurai. C	LU	Continue	T. P. Natesan	None

b.FAAs Proposed :

Sl. No.	Name	Approval status (after SA)	FAE/Mentor	Remarks

		Applied	Approved		
In-house					
1	Sujatha Gurudev	NV	Yes	Sai Bhaskar Velluri	None
		WP	Yes	D. Ravishankar	
3	Mahendra.B	AP	Yes	D. Ravishankar	None
		AQ	Yes	Sai Bhaskar Velluri	

Note: The following will be communicated to the ACO by NABET
1. Detailed observations and reasons for alerts
2. Results of balance candidates and details of the assessment.

The meeting ended with a vote of thanks to the Chair.

Issued by

A K Jha
Senior Director
QCI-NABET

Abbreviations:

AO	-	Applicant Organization
ACO	-	Accredited Consultant Organization
AC	-	Accreditation Committee
IA	-	Initial Accreditation
SA	-	Surveillance Assessment
EC	-	EIA Coordinator
FA	-	Functional Area
FAE	-	Functional Area Expert
FAA	-	Functional Area Associate
For sector numbers-		Refer the Scheme
For functional areas-		Refer the Scheme