



## Online Processing Sheet for CTE-CCA (Grant/Reject)

To be PutUp to Chairman / Member Secretary / Unit Heads by the appropriate level

. Smt. Shikha Upadhyay, Betul ( 16215 ),  
PLOT NO:21/1,  
D/141, New Minal Residency, Bhopal, Village - Palasbhedi, Bhainsdehi, Betul,  
Betul - 462021  
DIST : Betul, TAL : Bhainsdehi, SIDC : Not In SIDC

On Date : 24/04/2014

Inward : 61399  
Date : 22/03/2013  
(CTE-Fresh)

Rejected NOC Reconsidered On : 10/03/2014

Applying For : A,W Validity : 1 Years Category : RED Scale : MEDIUM

Air Sector : 0 W.W.C. (Klpd): 8.000 (Ind) 3.000 (Dom)

Haz Sector : 0 W.W.G. (Klpd): 0.000 (Ind) 2.000 (Dom)

Investment Air Water Hazardous Paid Amount :

39.83 Crs x 0 x 0 +0 x 0 40000

Payable Fees : Air : 0, Water : 0, Haz : 0 No of Plants : 1 Incenerator : 0

Online Appln,PDFs,Catg,Scale,Fees Scrutinized by : ALOK SINGHA,S.E.[1387]

Inspection Team :

To: D	To: RO/HO	To: HO	To: Unit Hd	Hazd Bru	To: M.S	Chairman	Decision Dt
26/03/2013	10/03/2014	19/03/2014	18/03/2014		16/04/2013	17/04/2013	18/04/2013

Online Appln (Queries to Industry & Replies)

Online : 61399-14/02/2013 . After 36 Days

Query On: 21/03/2013	Kindly submit a copy of Environmental Clearance, details of D.G.Set, details of Project Report/Balance Sheet, Water Balance Sheet (Water Consumption, waste water generation and its disposal system),[20/02/2013-1387]-pls submit env. cl. copy alongwith compliances of conditions proposal, mining lease copy, air/water pollution control system propose to install, submit fee details as per ca certificate ,dg set details other relevant information[18/03/2013-1387]-Kindly submit the fee details along with hard copy [21/03/2013-1387]
Reply On: 10/03/2014	The information uploaded as per query raised-Details submitted

**Inspection@ RO (100850)**

On the basis of documents submitted along with fee/EC Minutes issued by MoEF, Govt, New Delhi, the site inspected on 26.03.2013, so the case is being forwarded to take decision on grant of Permission to Establish with conditions. [1387]-28/03/2013- RO Comments/Reply :The case is recommended as per above comments / I recommend :May be GRANTED-28/03/2013

W.C Notings:

**R.O Head (Queries to Staff)**

**R.O Staff (Queries to Industry & Replies by Industry)**

**Scrutiny Comments by HO Staff**

~ The application of consent to establish for new mine of 39.8 hac is forwarded by RO, Bhopal. The mine management is proposed to call for technical presentation. Also PP may be instruct to submit the duly signed hard copy of application to this office. For instruction pl. [02/04/2013],[1398] ~ It is an application of Consent to establish of mine. The area of mine 39.837 hac. The Mine lease area is falling under interstate boundary condition with less than 0.1 km distance therefore the case of EC is falling under category "A". Mine management has not submitted the environmental clearance to the Board for which query was raised asking mine management to submit EC. Information is still not submitted. If approved application may be rejected due to non submission of EC of MoEF. [15/04/2013],[1398] ~ The Mine management has reapplied for CTE. Earlier the application was rejected due to non submission of EC. Copy of EC not submitted. Quer may be raised to RO, Bhopal and PP to submit copy of EC. [18/03/2014],[1398]

**Query@HO:**


### Inspection Report

- (1) Name of mine :- M/S Smt. Shikha Upadhyay, Village-Palaskhedl, Tehsil-Bhainsdehi, District- Betul, M. P.
- (2) Date of inspection:- 02/04/2014
- (3) Mine Area:- Area- 39.837 Ha. Khasra No. 21/1
- (4) Product & production capacity White clay - 5330 TPA
- (5) Lease Validity :- 22.03.2011 to 21.03.2031
- (6) EC details :- EC granted by MoEF vide No. J-11015/123/2011-IA.II(M) dated 06.03.2014, white clay for production capacity 5330 TPA
- (7) Mining method - Open cast manual method will be done as per the details given in the approved mining plan.
- (8) Location of mine- Nearest Village Palaskhedl is located at a distance of approx. 0.2 KM from the applied area, there are few huts of Village Palaskhedl present in the north-east direction at approx. 100 m. distance. The applied area is having a total hilly terrain sloping mostly in south direction. There is no major nalla is located outside and inside the applied area, rain water follows natural flow direction. There is no water tank in and around the applied area. Only one well present in the south-eastern part of the applied area. There is no important monument located in 500 m radius of the applied area. One main road is passing at approx. 2 KM, which is connected to Betul-Paratwada road. The land usage of mine lease falls in category of waste land.

The case may be recommended for the grant of consent to establishment subject to the following conditions.

- Thick plantation shall be done north-east boundary of mining lease area facing village needs at least 5 meter broad.
- Thick plantation shall be done on boundary of village road at least 5 meter broad.
- Road village shall not be used for transportation of materials.
- Mine shall make garland around the mine & over burden dump.
- Suitable water sprinkler system shall be made for control of fugitive emission at unloading, loading, haul road dust pollution.
- All general conditions shall be applicable.

Inspection report submitted for necessary action.

  
(Dr. Harish B. Wankhade)  
Jr. Scientist

## BRIEF BIO-DATA OF THE MINE

### Permission to Establish

S.No.	Particulars	Details
1.	Name of Mine	M/s. Smt. Shildha Upadhyay, Palaskhedl White Clay Mine, Villages: Palaskhedl, Tehsil: Bhainsdehi Distt: Betul (M.P.), Mining lease area: 39.837 Hac. [Capacity: 5330 TPA of White Clay]
2.	Details of /consent	Permission to Establish
3.	Location	Villages: Palaskhedl, Tehsil: Bhainsdehi Distt: Betul (M.P.),
4.	Environmental Clearance.	E.C. Issued vides MOEF letter No J-11015/123/2011-IA(M) dated: 06/03/2014. Capacity: 5330 TPA (White Clay Mine), Lease area: 39.837 Hac.
5.	Product name and Capacity	5330 TPA of White Clay Mine
6.	Mining method	Open cast by manual method,
7.	Water Consumption (KI Per Day)	Industrial - 8 Domestic - 3
8.	Waste water Generation, Kls/day	Industrial - 0.0 Domestic - 2.0
9.	Mining Lease Period.	Life of mine at proposed Capacity will be 29 Years
10.	Source of Air Pollution & Control arrangement	Drilling, Blasting, Transportation, Loading & Unloading, Water Sprinkling.
11.	Comments of RO	AS per IR of RO, Bhopal recommended for grant of <b>Permission to Establish</b> .
12.	Issues for discussion	1. Detail of Water/Air pollution control system. 2. Pointwise compliance of E.C. 3. Submit Gram sabha NOC 4. Hard copy of application form duly signed 5. Submit IBM approved mining plan. 6. Water balance

#### FEED BACK

1.	Name of Officer/Designation	R. K. Shivastava, S.E
2.	Date of Discussion	25.4.14
3.	Query raised.	
4.	Suggestions/Recommendations.	O.K.

  
(Signature)

**BRIEF BIO-DATA OF THE MINE****Permission to Establish**

S.No.	Particulars	Details
1.	Name of Mine	M/s. Smt. Shikha Upadhyay, Palaskhedli White Clay Mine, Villages: Palaskhedli, Tehsil: Bhainsdehi Distt: Betul (M.P.), Mining lease area: 39.837 Hac. [Capacity: 5330 TPA of White Clay]
2.	Details of /consent	Permission to Establish
3.	Location	Villages: Palaskhedli, Tehsil: Bhainsdehi Distt: Betul (M.P.),
4.	Environmental Clearance.	E.C. issued vides MOEF letter No J-11015/123/2011-IA(M) dated: 06/03/2014. Capacity: 5330 TPA (White Clay Mine), Lease area: 39.837 Hac.
5.	Product name and Capacity	5330 TPA of White Clay Mine
6.	Mining method	Open cast by manual method,
7.	Water Consumption (Kl Per Day)	Industrial - 45 Domestic - 3
8.	Waste water Generation, Kls/day	Industrial - 0.0 Domestic - 2.0
9.	Mining Lease Period.	Life of mine at proposed Capacity will be 29 Years
10.	Source of Air Pollution & Control arrangement	Drilling, Blasting, Transportation, Loading & Unloading, Water Sprinkling.
11.	Comments of RO	AS per IR of RO, Bhopal recommended for grant of <b>Permission to Establish</b> .
12.	Issues for discussion	1. Detail of Water/Air pollution control system. 2. Pointwise compliance of E.C. 3. Submit Gram sabha NOC 4. Hard copy of application form duly signed 5. Submit IBM approved mining plan. 6. Water balance

**FEED BACK**

1.	Name of Officer/Designation	VIC Akharam SF
2.	Date of Discussion	25/11/14
3.	Query raised.	1
4.	Suggestions/Recommendations.	may be considered as per R.O. recommendation.

(Signature) 25/11/14

## BRIEF BIO-DATA OF THE MINE

### Permission to Establish

S.No.	Particulars	Details
1.	Name of Mine	M/s. Smt. Shikha Upadhyay, Palaskhedli White Clay Mine, Villages: Palaskhedli, Tehsil: Bhainsdehl Distt: Betul (M.P.), Mining lease area: 39.837 Hac. [Capacity: 5330 TPA of White Clay]
2.	Details of /consent	Permission to Establish
3.	Location	Villages: Palaskhedli, Tehsil: Bhainsdehl Distt: Betul (M.P.),
4.	Environmental Clearance.	E.C. issued vides MOEF letter No J-11015/123/2011-IA(M) dated: 06/03/2014. Capacity: 5330 TPA (White Clay Mine), Lease area: 39.837 Hac.
5.	Product name and Capacity	5330 TPA of White Clay Mine
6.	Mining method	Open cast by manual method,
7.	Water Consumption (KI Per Day)	Industrial - 8 Domestic - 3
8.	Waste water Generation, Kis/day	Industrial - 0.0 Domestic - 1.0
9.	Mining Lease Period.	Life of mine at proposed Capacity will be 29 Years
10.	Source of Air Pollution & Control arrangement	Drilling, Blasting, Transportation, Loading & Unloading, Water Sprinkling.
11.	Comments of RO	AS per IR of RO, Bhopal recommended for grant of <b>Permission to Establish</b> .
12.	Issues for discussion	1. Detail of Water/Air pollution control system. 2. Pointwise compliance of E.C. 3. Submit Gram sabha NOC 4. Hard copy of application form duly signed 5. Submit IBM approved mining plan. 6. Water balance

#### FEED BACK

1.	Name of Officer/Designation	Aadesh Shrivastava E.E
2.	Date of Discussion	25/4/14
3.	Query raised.	
4.	Suggestions/Recommendations.	<ul style="list-style-type: none"> <li>• Submit copy of Gram Sabha NOC.</li> <li>• Check the documents mentioned under issues for discussion.</li> <li>• Submit NOC of forest department in reference to condition D of E.C.</li> </ul>

  
 (Signature)

## BRIEF BIO-DATA OF THE MINE

### Permission to Establish

S.No.	Particulars	Details
1.	Name of Mine	M/s. Smt. Shikha Upadhyay, Palaskhedl White Clay Mine, Villages: Palaskhedl, Tehsil: Bhainsdehi Distt: Betul (M.P.), Mining lease area: 39.837 Hac. [Capacity: 5330 TPA of White Clay]
2.	Details of /consent	Permission to Establish
3.	Location	Villages: Palaskhedl, Tehsil: Bhainsdehi Distt: Betul (M.P.),
4.	Environmental Clearance.	E.C. issued vides MOEF letter No J-11015/123/2011-IA(M) dated: 06/03/2014. Capacity: 5330 TPA (White Clay Mine), Lease area: 39.837 Hac.
5.	Product name and Capacity	5330 TPA of White Clay Mine
6.	Mining method	Open cast by manual method,
7.	Water Consumption (KI Per Day)	Industrial - 8 Domestic - 3
8.	Waste water Generation, KIs/day	Industrial - 0.0 Domestic - 1.0
9.	Mining Lease Period.	Life of mine at proposed Capacity will be 29 Years
10.	Source of Air Pollution & Control arrangement	Drilling, Blasting, Transportation, Loading & Unloading, Water Sprinkling.
11.	Comments of RO	AS per IR of RO, Bhopal recommended for grant of <b>Permission to Establish</b> .
12.	Issues for discussion	1. Detail of Water/Air pollution control system. 2. Pointwise compliance of E.C. 3. Submit Gram sabha NOC 4. Hard copy of application form duly signed 5. Submit IBM approved mining plan. 6. Water balance

#### FEED BACK

1.	Name of Officer/Designation	Abhay Sarsaf B.E
2.	Date of Discussion	25/04/2014
3.	Query raised.	
4.	Suggestions/Recommendations.	- Submit NOC of gram sabha NOC. - Mine management shall construct farmland drains and security pond.


*(Signature)*


## BRIEF BIO-DATA OF THE MINE

### Permission to Establish

S.No.	Particulars	Details
1.	Name of Mine	M/s. Smt. Shikha Upadhyay, Palaskhedl White Clay Mine, Villages: Palaskhedl, Tehsil: Bhainsdehi Distt: Betul (M.P.), Mining lease area: 39.837 Hac. [Capacity: 5330 TPA of White Clay]
2.	Details of /consent	Permission to Establish
3.	Location	Villages: Palaskhedl, Tehsil: Bhainsdehi Distt: Betul (M.P.),
4.	Environmental Clearance.	E.C. issued vides MOEF letter No J-11015/123/2011-IA(M) dated: 06/03/2014. Capacity: 5330 TPA (White Clay Mine), Lease area: 39.837 Hac.
5.	Product name and Capacity	5330 TPA of White Clay Mine
6.	Mining method	Open cast by manual method,
7.	Water Consumption (Kl Per Day)	Industrial - Domestic - 500
8.	Waste water Generation, Kl/day	Industrial - 0.0 Domestic - 1.0
9.	Mining Lease Period.	Life of mine at proposed Capacity will be 29 Years
10.	Source of Air Pollution & Control arrangement	Drilling, Blasting, Transportation, Loading & Unloading, Water Sprinkling.
11.	Comments of RO	AS per IR of RO, Bhopal recommended for grant of <b>Permission to Establish</b> .
12.	Issues for discussion	1. Detail of Water/Air pollution control system. 2. Pointwise compliance of E.C. 3. Submit Gram sabha NOC 4. Hard copy of application form duly signed 5. Submit IBM approved mining plan. 6. Water balance

#### FEED BACK

1.	Name of Officer/Designation	H.S. Manjya EE
2.	Date of Discussion	25-4-2014.
3.	Query raised.	
4.	Suggestions/Recommendations.	 May be considered as per IR of RO

  
 (Signature)

## BRIEF BIO-DATA OF THE MINE

### Permission to Establish

S.No.	Particulars	Details
1.	Name of Mine	M/s. Smt. Shikha Upadhyay, Palaskhedli White Clay Mine, Villages: Palaskhedli, Tehsil: Bhainsdehi Distt: Betul (M.P.), Mining lease area: 39.837 Hac. [Capacity: 5330 TPA of White Clay]
2.	Details of /consent	Permission to Establish
3.	Location	Villages: Palaskhedli, Tehsil: Bhainsdehi Distt: Betul (M.P.),
4.	Environmental Clearance.	E.C. issued vides MOEF letter No J-11015/123/2011-JA(M) dated: 06/03/2014. Capacity: 5330 TPA (White Clay Mine), Lease area: 39.837 Hac.
5.	Product name and Capacity	5330 TPA of White Clay Mine
6.	Mining method	Open cast by manual method,
7.	Water Consumption (Kl Per Day)	Industrial - 8 Domestic - 3
8.	Waste water Generation, Kls/day	Industrial - 0.0 Domestic - 0.0
9.	Mining Lease Period.	Life of mine at proposed Capacity will be 29 Years
10.	Source of Air Pollution & Control arrangement	Drilling, Blasting, Transportation, Loading & Unloading, Water Sprinkling.
11.	Comments of RO	AS per IR of RO, Bhopal recommended for grant of <b>Permission to Establish</b> .
12.	Issues for discussion.	1. Detail of Water/Air pollution control system. 2. Pointwise compliance of E.C. 3. Submit Gram sabha NOC 4. Hard copy of application form duly signed 5. Submit IBM approved mining plan. 6. Water balance

#### FEED BACK

1.	Name of Officer/Designation	Assistant Commr, CE
2.	Date of Discussion	25/4/2014
3.	Query raised.	
4.	Suggestions/Recommendations.	NOC from gram sabha in form of proforma must be submitted.

  
 (Signature)





# Online Processing Sheet for CTE-CCA (Grant/Reject)

To be PutUp to Chairman / Member Secretary / Unit Heads by the appropriate level

Sasan Power Limited , ( 26807 ),  
PLOT NO:vill Siddhikhard po. Tiyara distt Singrauli,  
vill Siddhikhard po Tiyara distt Singrauli (MP), Vill Siddhikhard,  
Vill Siddhikhard - 486886  
DIST : Singrauli, TAL : Singrauli, SIDC : Not In SIDC

On Date : 22/04/2014

Inward : 68960  
Date : 28/03/2014  
(CCA-Expansion)

Applying For : A,W      Validity : 1 Years      Category : RED      Scale : LARGE  
Air Sector :0      W.W.C. (Klpd): 31250.000 (Ind) 2064.000 (Dom)  
Haz Sector : 0      W.W.G. (Klpd): 60000.000 (Ind) 1548.000 (Dom)  
Investment      Air      Water      Hazardous      Paid Amount :  
5553.00 Crs      x 0      x 0      +0 x 0      600000  
Payable Fees : Air : 0, Water : 0, Haz : 0      No of Plants : 1      Incenerator : 0  
Online Appln,PDFs,Catg,Scale,Fees Scrutinized by : SHRINJWAS DWIVEDI,E.E.[1388]

### Inspection Team :

Inspection Dt	Team	Remarks	Decision Dt
27/03/2014	01/04/2014	01/04/2014	

### Online Appln (Queries to Industry & Replies)

Online : 68960-27/02/2014 . After 29 Days

Query On: 28/02/2014	Kindly update the modules related to product, raw materials, water/ coal consumption , ash generation, expected date of CTO, plantation details etc.[27/02/2014-1388]~[28/02/2014-1388]
Reply On: 28/02/2014	Records are updated. Till date 140600 trees have been planted .Expected date of CTO for Unit 1 is 15th March 2014.

### Inspection@ RO (112934)

This is coal based thermal power plant. Total proposed capacity of project is 6x660 MW for which consent to establish has been granted by the Board. Three units of 660 MW each has been granted consent to operate & are under operation. One unit of 660 MW has been installed & industry has applied for consent for operation. Remaining two units are still under construction stage. Inspection of the Unit No. 1 (for which CTO) conducted. Industry has installed electrostatic precipitator as APCE with boiler, exhaust vent has been attached with the stack (tri flue type). CHP for the unit is under completion stage. Roof sheeting & side claddings (cover) are under installation. Bag house as APC with coal bunker above feed mill is installed. Water sprinklers at transfer points for control of fugitive emissions has been installed. The industry has installed ETP to take care the effluent of all the units. STP has also been installed. ETP was found under operation. Intermediate silo for collection & distribution of fly ash is installed with bag house as APC. Arrangement for ash disposal in wet form to ash pond for the unit under consideration is complete. Similarly dry fly ash collection & disposal system is also installed. 02 dry fly ash silo (1200 mt each ) are established & operating third silo(1200mt capacity) is on completion stage & expected to be commissioned by next 15 days.. Ash dyke/ pond No. 2 is under construction & approx. 75 % work is completed. Decantation well of ash pond 1 & 2, their connection with sedimentation pond (overflow collection pond) are completed, piping work is under progress. Water level in ash dyke/ pond no. 1 was observed below the inlet level of decantation well & as per the industry representative it will take approx 3 month time to reach the inlet level. Ash water recirculation system (AWRS ) will be required there after to recirculate decanted water . Pipeline for the same is under installation. AWRS is scheduled to be completed by end of May 2014. CEMS for this unit has been installed. As informed earlier 3 Nos. of CAAQMS have been installed & under operation, however not linked with Board's web site. The industry is under construction stage & improvement or installation of plants/ machines, construction of road & other infra structures are going on. For the unit 1 for which CTO is applied pollution control measures are either complete or under completion stage. At present discharge from ash dyke is not observed. Therefore application of this unit ( unit 1) may be considered for grant of consent for operation subject to conditions of completion of AWRS within 2 months to avoid any out side discharge of ash pond overflow. [1388]-01/04/2014 [1388]-01/04/2014 [1425]-01/04/2014~ RO Comments/Reply : CTO may be granted as recommended by inspecting officers / I recommend :May be GRANTED-I Certify this unit is Watercess Paid-01/04/2014  
W.C Notings:

### R.O Head (Queries to Staff)

### R.O Staff (Queries to Industry & Replies by Industry)

## BRIEF BIO-DATA OF THE INDUSTRY

### (Consent to Operate for 1 x 660 MW TPP [Unit-1])

S.	Description	Remark
1	Name of the industry and location	<b>M/s. Sasan Power Ltd.</b> <b>Village: Sidhikhurd, Teh. &amp; Dist. Singrauli</b>
2	Name of product	<b>Coal based Thermal - 6 x 660 = 1980 MW (Total)</b> <b>Power Plant</b> <b>3 x 660 = 1980 MW (CTO granted)</b> <b>1 x 660 = 660 MW (Unit-1)</b> <ul style="list-style-type: none"> <li>▪ Out of total 6 x 660 = 1980 MW, Consent to Operate has been issued for 3 x 660 = 1980 MW earlier.</li> <li>▪ Now industry has applied for 1 x 660 (Unit-1) which is ready for commercial production.</li> </ul>
3	Status of Environmental Clearance	Environmental Clearance issued by MoEF on dt. 23/11/06 & 21/07/09
4	Status of Permission to Establish	▪ Permission to Establish issued on dated: 13/02/09 and amended letter dated: 22/04/09, 23/11/10, 06/01/12.
5	Raw material and quantity	Coal - 19.4 MTPA
6	Water consumption	52083.33 m <sup>3</sup> /day (for 1 x 660 MW)
	a. Domestic	2064 m <sup>3</sup> /day (total)
	b. Industrial	312500 m <sup>3</sup> /day (total)
7	Waste Water generation	10000 m <sup>3</sup> /day (for 1 x 660 MW)
	a. Domestic	1548 m <sup>3</sup> /day
	b. Industrial	60000 m <sup>3</sup> /day
8	Pollution control measures	
	Industrial	Effluent Treatment Plant
	Domestic	Sewage Treatment Plant
9	Source of Air Pollution & Control equipment	Boilers (Stack height - 275 mtr.) <ul style="list-style-type: none"> <li>▪ ESP has been installed with the boiler stack to meet emission norms of 50 mg/Nm<sup>3</sup>.</li> <li>▪ Bag house with coal bunker above feed mill is installed.</li> <li>▪ Water sprinklers at transfer points for control of fugitive emission.</li> </ul>
10	Fly ash quantity & disposal	2720 Tonnes/day <ul style="list-style-type: none"> <li>▪ Dry ash collection and disposal system is installed.</li> <li>▪ Two nos. dry ash silo (1200 mt. each) is in operating condition and third silo is on completion stage and expected to be commissioned in next 15 days.</li> <li>▪ Ash dyke pond no. 2 is under construction and approx 75% work is completed.</li> <li>▪ Decantation well of ash pond 1 &amp; 2 and their connection with sedimentation pond (overflow collection pond) are completed.</li> </ul>
11	Point for discussion	<ul style="list-style-type: none"> <li>✓ Industry has applied consent for operation 1 x 660 MW Unit-1.</li> <li>✓ AWRS is scheduled to be completed by end of May 2014.</li> <li>✓ Disposal and utilization of fly ash shall be as per the provisions of fly ash notification</li> </ul>
11	R.O. recommendation	R.O. recommended for Consent to Operate for 1 x 660 MW Unit-1 with a condition that industry shall complete the work of AWRS within 02 month.

### Feed Back Sheet

M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli

1	Name of Officer/ Designation	R. K. Shrivastava, S.E.
2	Date of Discussion	25.4.14
3	Query raised/Suggestions/ Recommendations	<p>CTO - Unit - I - laying of pipe line for AWRS &amp; other parts of AWRS is still incomplete, hence, the needs be present again in MPPCB after completion.</p> <p><del>Renewal Unit - III</del></p>

  
(Signature)

### Feed Back Sheet

M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli

1	Name of Officer/ Designation	V K Ahirwar SE
2	Date of Discussion	25/04/2014
3	Query raised/Suggestions/ Recommendations	<p>① Domestic water requirement - may be checked in relation to STP capacity (70KLD)</p> <p>② CHP Area needs to improve house keeping &amp; better monitoring</p> <p>③ Fly Ash utilization to be planned as per GOI notification 199942003.</p> <p>④ Treated water from ETP must- be fully utilized no discharge. is <del>to</del> allowed.</p> <p>⑤ Industry may encourage fly Ash utilization under CSR activities.</p> <p>⑥ Renewal for Unit III may be considered.</p>

(Signature) 25/4/14

### Feed Back Sheet

M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli


1	Name of Officer/ Designation	Adesh Shrivastava E.E
2	Date of Discussion	25/04/14
3	Query raised/Suggestions/ Recommendations	<ul style="list-style-type: none"><li>• Complete AWRS pipeline and other related works and submit reports.</li><li>• <del>Early</del> <sup>monthwise</sup> <del>cons</del></li><li>• Submit details about unitwise ash generation and disposal details showing utilization different utilization.</li><li>• Submit balance fee of EPC.</li></ul>

  
(Signature)

### Feed Back Sheet

M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli

1	Name of Officer/ Designation	Abhay Saraf EE
2	Date of Discussion	25-04-2014
3	Query raised/Suggestions/ Recommendations	<p><del>Answer</del></p> <p>Industry shall submit the recent photographs of AWRs <sup>system</sup> regarding completion of the pipeline.</p> <ul style="list-style-type: none"><li>• Submit Utilization plan for disposal of fly ash.</li><li>• <del>the</del> proposal for plantation.</li></ul>

  
(Signature)

### Feed Back Sheet

M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli

1	Name of Officer/ Designation	H.S. Malviya EE
2	Date of Discussion	25/9/14
3	Query raised/Suggestions/ Recommendations	<p>① AWRs shall be completed before ETO.</p> <p>② Fly ash utilizations shall be ensured from day one.</p> <p>③ Forth CAADMS shall also need to be installed.</p> <p>④ Safety of ash dyke bund shall be ensure against slush &amp; breach.</p>

  
(Signature)



# Online Processing Sheet for CTE-CCA (Grant/Reject)

To be PutUp to Chairman / Member Secretary / Unit Heads by the appropriate level

Sasan Power Limited , ( 26807 ),  
PLOT NO:vill Siddhikburd po. Tiyara distt Singrauli,  
vill Siddhikburd po Tiyara distt Singrauli (MP), Vill Siddhikburd,  
Vill Siddhikburd - 486886  
DIST : Singrauli, TAL : Singrauli, SIDC : Not In SIDC

On Date : 22/04/2014

Inward : 68540  
Date : 26/02/2014  
(CCA-Renewal)

Applying For : A,W      Validity : 1 Years      Category : RED      Scale : LARGE  
Air Sector : 0      W.W.C. (Klpd): 312500.000 (Ind) 2064.000 (Dom)  
Haz Sector : 0      W.W.G. (Klpd): 60000.000 (Ind) 1548.000 (Dom)  
Investment      Air      Water      Hazardous      Paid Amount :  
3333.00 Crs      x 0      x 0      +0 x 0      300000  
Payable Fees : Air : 0, Water : 0, Haz : 0      No of Plants : 1      Incenerator : 0

Online Appln,PDFs,Catg,Scale,Fees Scrutinized by : SHRINIWAS DWIVEDI,E.E.[1388]

Inspection Team :

Inspr. Dt.	Team	Inspr. Dt.	Team	Inspr. Dt.	Team
26/02/2014		27/02/2014		27/02/2014	
				22/03/2014	
					20/03/2014

Online Appln (Queries to Industry & Replies)

Online : 68540-10/02/2014 . After 16 Days

Query On: 26/02/2014	kindly submit compliance of conditions of CCA (CTO) granted [16/02/2014-1388]-compliance of air & water consent conditions is not being opened in website. please submit soft copy & printed copy of the same.[24/02/2014-1388]-[26/02/2014-1388]
Reply On: 28/02/2014	Compliance of Air & Water Consent Has Been Uploaded with Annexures.-CTO Compliance has been uploaded in pdf format at TAG.O.(OOO).Hardcopy of the application has been submitted today -reply already entered

### Inspection@ RO (11891)

This is case of renewal of consent for unit-3 (1x 660 MW) of the power plant. The unit was started production from dated 29.03.2013 & hence consent is valid up to 28.02.2014. Industry has applied for renewal with renewal fees as per capital investment for one year. The unit was found running & APCE like ESP & bag filters, dust collectors, water sprinklers were found operative in the unit-3 during inspection. Bag house in receiving bunker at premises has been installed. Over land conveyor (OLC) belt coal transport from mine to plant has been covered in about 90% length, total length is approx. 14.5 KM. Conveyor belt (CHP) within plant premises has been covered for the unit from coal receiving bunker to the boiler. Water sprinklers at transfer points are found installed & operative. Road along the OLC is also being made pukka. Internal roads are being made (about 90% portion is completed). Fly ash is presently disposed into ash dyke. Dry fly ash collection & distribution (8Nos. X 1200MT capacity each) are under construction. Out 8 silos 2 silos are almost completed. Bag house, telescopic chute pipeline are installed. These 2 silo are expected to commission within 10 days. ETP was found operative & treated effluent is reused in plantation. STP is installed. Garland drain around coal stock yard with baffled settling chamber, 2 nos. settling ponds, pumping sump etc. has been constructed to take care the storm water of coal stock yard. Continuous stack monitoring system for the unit is installed. The industry has installed 3 Nos. continuous ambient air monitoring station in the premises. The unit no. 2 (1x660) MW was also found under operation & unit 4 (1x660 MW) is under trial. Remaining 3 units are under construction. The industry is under construction stage & improvement or installation plants/ machines. construction of road & other infra structures are going on. One big clarifier for treatment (settling) of ash water before reuse(for making ash slurry) is at completion stage with in industry premises. Pipe line for AWRS is under laying stage. Ash water overflow pond is under construction, pumping sump within plant premise is also under construction. During inspection outside discharge of effluent was not observed. APCE were found operative. Stack monitoring was conducted 20-11-13 & PM emission was found within prescribed norms of 50mg/Nm<sup>3</sup>. Similarly ambient air quality was also conducted on 2-1-14 & found within prescribed norms at important locations. The industry is complying most of the condition. Dry ash collection /distribution silos are expected to be commissioned very shortly. Therefore renewal of consent for unit-3 of the power plant is recommended for one year from date 01/03/2014 to 28/02/2015. [1388]-26/02/2014 [1425]-27/02/2014 [1425]-27/02/2014 [1425]-27/02/2014 [1425]-27/02/2014 [1388]-27/02/2014- RO Comments/Reply :renewal may be granted as per IR. Water cess not pending as no assessment till date. I recommend :May be GRANTED-I Certify this unit is Watercess Paid-27/02/2014  
W.C Notings:

### R.O Head (Queries to Staff)



## **BRIEF BIO-DATA OF THE INDUSTRY**

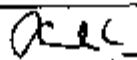
**(Renewal of Consent for 1 x 660 MW TPP [Unit-3])**

S.	Description	Remark
1	Name of the industry and location	<b>M/s. Sasan Power Ltd.</b> <b>Village: Sidhikhurd, Teh. &amp; Dist. Singrauli</b>
2	Name of product	<b>Coal based Thermal - 6 x 660 = 1980 MW (Total)</b> <b>Power Plant 1 x 660 = 660 MW (Unit-3)</b>
3	Status of Environmental Clearance	Environmental Clearance issued by MoEF on dt. 23/11/06 & 21/07/09
4	Status of Consent to Operate	Consent to Operate was issued on dt. 11/03/13.
5	Raw material and quantity	Coal - 19.4 MTPA
6	Water consumption	52083.33 m <sup>3</sup> /day (for 1 x 660 MW)
	a. Domestic	2064 m <sup>3</sup> /day (total)
	b. Industrial	312500 m <sup>3</sup> /day (total)
7	Waste Water generation	10000 m <sup>3</sup> /day (for 1 x 660 MW)
	a. Domestic	1548 m <sup>3</sup> /day
	b. Industrial	60000 m <sup>3</sup> /day
8	Pollution control measures	
	Industrial	Effluent Treatment Plant.
	Domestic	Sewage Treatment Plant
9	Source of Air Pollution & Control equipment	Boilers (Stack height - 275 mtr.) <ul style="list-style-type: none"> <li>• ESP has been installed with the boiler stack to meet emission norms of 50 mg/Nm<sup>3</sup>.</li> <li>▪ Bag house with coal bunker above feed mill is installed.</li> <li>▪ Water sprinklers at transfer points for control of fugitive emission.</li> </ul>
10	Fly ash quantity & disposal	2720 Tonnes/day <ul style="list-style-type: none"> <li>▪ Dry ash collection and disposal system is installed.</li> <li>▪ Two nos. dry ash silo (1200 mt. each) is in operating condition and third silo is on completion stage and expected to be commissioned in next 15 days.</li> <li>▪ Ash dyke pond no. 2 is under construction and approx 75% work is completed.</li> <li>▪ Decantation well of ash pond 1 &amp; 2 and their connection with sedimentation pond (overflow collection pond) are completed.</li> </ul>
11	Point for discussion	<ul style="list-style-type: none"> <li>✓ Industry has applied for Renewal of Consent for 1 x 660 MW Unit-3.</li> <li>✓ AWRS is scheduled to be completed by end of May 2014.</li> <li>✓ Disposal and utilization of fly ash shall be as per the provisions of fly ash notification</li> </ul>
12	R.O. recommendation	R.O. recommended for Renewal of Consent for 1 x 660 MW Unit-3.

### Feed Back Sheet

**M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli**


1	Name of Officer/ Designation	R.K. Shrivastava, S.E.
2	Date of Discussion	25-4-2014
3	Query raised/Suggestions/ Recommendations	- Pipe-lined water sprinkling system be introduced as so as possible.

  
(Signature)

### Feed Back Sheet

M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli

1	Name of Officer/ Designation	Adesh Shrivastava E.E.
2	Date of Discussion	25/4/14
3	Query raised/Suggestions/ Recommendations	<ul style="list-style-type: none"><li>• Submit monthwise ash generation and disposal details showing different utilisations.</li><li>• Priority should be given to utilize the ash inhouse in the cement plant at Naihar.</li><li>• Zero discharge to be ensured.</li><li>• Freeboard in ash dyke to be ensured at all times.</li><li>• Proper structural safety of ash dyke to be ensured.</li><li>• Adequacy of STP to be ensured.</li><li>• <del>Prove</del> Only optimum quantity of water to be used with coal for prevention of fugitive emission <del>control</del></li><li>• Provide display Board for monitoring parameters.</li><li>• Provide permanent sprinklers <del>over</del> along the roads on which trucks move.</li></ul>

  
(Signature)

### Feed Back Sheet

M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli

1	Name of Officer/ Designation	Abhay Saraf EE
2	Date of Discussion	25/04/2014
3	Query raised/Suggestions/ Recommendations	<ul style="list-style-type: none"><li>• Industry shall maintain zero discharge condition outside of the premises.</li><li>• Industry shall submit proposal for disposal of fly ash.</li><li>• Submit proposal for plantation.</li></ul>

(Signature)

### Feed Back Sheet

M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli

1	Name of Officer/ Designation	H.S. Malviya EE
2	Date of Discussion	25.4.14
3	Query raised/Suggestions/ Recommendations	<p>① Unit has to maintain zero discharge in any case.</p> <p>② Capacity of STP to be rechecked.</p> <p>③ May be considered with compliance of above.</p> <p>(Signature)</p>

### Feed Back Sheet

M/s. Sasan Power Ltd.  
Village: Sidhikhurd, Teh. & Dist. Singrauli

1	Name of Officer/ Designation	Gurwant Joshi, Chief Chemist.
2	Date of Discussion	28/4/2014
3	Query raised/Suggestions/ Recommendations	<p>culvert.</p> <p>For Expenditure of ₹333 cror. The ERC membership dues shall be ₹4,99,950 whereas industry has deposited ₹1,71,000 only. Balance of ₹3,28,950 is still due. Industry should submit the balance amount immediately and should submit the copy of onsite Emergency Plan (OSEP) approved for total cost of the project fees should be submitted @ ₹1.00 per lac of investment. The Renewal of the ERC membership is also due. Industry should get the membership renewed.</p>

Industry must have to maintain a zero discharge condition despite the MOEF allowance of 5% discharge.

  
(Signature)