

0/c



NEYVELI UTTAR PRADESH POWER LIMITED
 {A JOINT VENTURE OF NLC INDIA LTD. and UP RAJYA VIDYUT UTPADAN NIGAM LTD.)
OFFICE OF THE GENERAL MANAGER/PROJECT HEAD
PACHWARA SOUTH COAL MINE PROJECT,
ShantaBhavan, Behind SBI Bank, LIC Colony
DUMKA- 814 101, JHARKHAND, INDIA,
CIN: U40300UP2012GOI053569 GSTIN: 09AAECN3221F1Z8
E-Mail: pachwara.south@nclindia.in, TEL: 06434-236147.



Lt No.NUPPL/PSCMP/GM/FC/2022/05/02

Date: 11.05.2022

To,

The Divisional Forest Officer,
 Dumka Forest Division
 Dumka- 814101
 Jharkhand, India

Sub: Submissions of response to the Essential Detail Sought (EDS) raised by the Conservator of Forest (C.F.) vide letter ref. no. 472, dated 09.05.2022 - Reg.

Ref: 1. Letter received from the DFO dumka vide ref. no. 1129 dated 10.05.2022
 2. Proposal No. FP/JH/MIN/59823/2020 Dated 20/11/2020 for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for diversion of forest area



Dear Sir,

With reference to the above-mentioned subject and vide letter no 1129 dated 10.05.2022 of Divisional Forest Officer, Dumka, Jharkhand, we are submitting point wise compliance as under:

S.N.	Particulars of EDS	Response/Compliance of the EDS
1	Online signed copy of Part I and Part II with mentioning Name, Designation of signing authority and date/place of Signature is also to be uploaded as PDF file on the part of user agency and DFO concerned. Also, Part I & Part II in prescribed form has to be signed and uploaded in PARIVESH portal as additional documents and eight (08) copies of the same to be submitted to the office of the Conservator of Forest (CF).	09 copies of Part I of Form A (taken from the online PARIVESH portal) & Part I in prescribed form are duly signed by the authorized person with stamp having details of "Name, Designation of signing authority and place" is being submitted along with authorization letter by NUPPL for kind perusal.
2	The submitted checklist is not signed by the User agency/DFO. The signed checklist has to be uploaded in PARIVESH portal as additional documents and eight (08) copies of the same to be submitted to the office of the Conservator of Forest (CF)	09 copies of the "checklist" duly signed by the authorized persons with stamp having details of "Name, Designation of signing authority and place" are being submitted for kind perusal.
3	Total tree enumerations as mentioned in the "Specific recommendation of DFO Dumka" are 90,228 while in Part II, total tree enumerations mentioned as 91,564. The reason for the inconsistency to be provided.	The enumeration of trees was conducted in the entire forest area of the Pachwara South Coal Block (PSCB) comprising as 455.1108 Ha in all three project affected villages namely Chirudih, Kundapahari and Mahuldabar. Total number of trees having girth more than 30 cm is enumerated as 90,228 in all three villages. In addition to the same, "Sal & its associates" tree having girth between 20-30 cm was also

SURAJIT DAS
 General Manager/Project Head
 Pachwara South Coal Mine Project
 NUPPL, Dumka (Jharkhand)

		<p>enumerated & found as 1236 in numbers in all three villages.</p> <p>Thus, total number of trees in the entire forest area of the Pachwara South Coal Block (PSCB) enumerated as 91,464 numbers, including 1236 no. of "Sal & its associates" tree having girth in between 20-30 cm.</p> <p>The abstract of total tree enumerations in the forest area of PSCB is attached for kind perusal.</p>
4	<p>During the site inspection carried out on 09.05.2022, it is found that marking has not done in few of the trees. Also Coppicing/regenerations is observed in the proposed forest area under diversion while the total no. of tree in 0-30 cm girth class is reported only as 1326 numbers. Clarifications on above to be provided.</p>	<p>The enumeration of trees was conducted in the entire forest area of the Pachwara South Coal Block (PSCB) comprising as 455.1108 Ha in all three project affected villages namely Chirudih, Kundapahari and Mahuldabar including the area of jungle jhari, waste land and Sec-4 notified forest. Total number of trees having girth more than 30 cm is enumerated as 90,228 in all three villages. However, marking on the trees could be completed for 82,616 trees only and remaining 7,612 numbers of trees were enumerated but could not be marked on ground due to resistance from the villagers.</p> <p>In the abstract of tree enumerations, the no. of trees under 0-30 cm girth represents the specific variety of trees only i.e. "Sal & its associates" tree. As there was extreme profuse regeneration, only "Sal & its associates" tree having girth in between 20-30 cm was enumerated & found as 1236 in numbers in all three villages. Enumeration of trees from 0-20 cm was not feasible due to profuse regeneration as observed during the site inspection carried out on 09.05.2022 as well.</p>

Please find above compliance report for your kind perusal and further necessary actions.

Thanking you.

Yours faithfully,
For Neyveli Uttar Pradesh Power Ltd.


11/05/2022

General Manager/Project Head
PSCMP, NUPPL
SURAJIT DAS
General Manager/Project Head
Pachwara South Coal Mine Project
NUPPL, Dumka (Jharkhand)

FORM - A

Form for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for Diversion of fresh forest area

PART - I

(To be filled up by User Agency)


A. General Details

A-1. Project Details


- (i). **Proposal No.** : FP/JH/MIN/59823/2020
- (ii). **Name of Project for which Forest Land is required** : Pachwara South Coal Mine Project.
- (iii). **Short narrative of the proposal and Project/scheme for which the forest land is required** : Pachwara South Coal Block was allotted to Neyveli Uttar Pradesh Power Ltd. (NUPPL)- a joint venture of NLC India Limited and Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited vide, allotment order no 13016/26/2004-CA-I/CA-III(Pt) (Vol.II), Dated 03.10.2016 from MoC, GOI.
- (iv). **State** : Jharkhand
- (v). **Category of the Proposal** : Mining
- (vi). **Shape of forest land proposed to be diverted** : Non Linear
- (vii). **Estimated cost of the Project(Rupees in lacs)** : 179501
- (viii). **Area of forest land proposed for diversion(in ha.)**: 398.3243
- (ix). **Non-forest land required for this project(in ha.)**: 316.531
- (x). **Total period for which the forest land is proposed to be diverted(in years)**: 38

A-2. Details of User Agency

- (i). **Name** : NEYVELI UTTAR PRADESH POWER LIMITED
- (ii). **Address1** : SHANTA BHAVAN, BEHIND SBI, LIC COLONY
- (iii). **Address2** : NIL
- (iv). **State** : Jharkhand
- (v). **District** : Dumka
- (vi). **Pin** : 814101
- (vii). **Landmark** : SBI LIC Colony Branch
- (viii). **Email address** : pachwara.south@nclindia.in
- (ix). **Landline Telephone No.** : 6434-236126
- (x). **Fax No.** : 6434-
- (xi). **Mobile No.** : 9489779571
- (xii). **Website (if any)** : www.nclindia.com


10/05/2022
SURAJIT DAS
General Manager/Project Head
Pachwara South Coal Mine Project
NUPPL, Dumka (Jharkhand)

A-3. Details of Person Making Application

- (i). First Name: MOHAN
(ii). Middle Name: NIL
(iii). Last Name: REDDY K
(iv). Gender: Male
(v). Designation: CEO
(vi). Address 1: 6/42, VIPUL KHAND, GOMTI NAGAR
(vii). Address 2: NIL
(viii). State: Uttar Pradesh
(ix). District: Lucknow
(x). Tehsil: Lucknow
(xi). Pin: 226010
(xii). Landmark: VIPUL KHAND, GOMTI NAGAR
(xiii). Email Address: pachwara.south@nclindia.in
(xiv). Landline Telephone No.: 522-4951065
(xv). Fax No.: NIL
(xvi). Mobile No.: 9488996781
(xvii). Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency: 

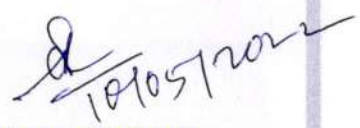
B. Details of land required for the Project

- B-1. Details of proposal seeking prior approval of Central Government under the Act for diversion of forest land for the Project already submitted in the past

List of proposal submitted in Past							
S.no	Proposal Status.	Proposal No.	Moef File No.	Area Proposed for Diversion(Ha.)	Area Diverted(Ha.)	Date of In-Principle Approval	Date of Final Approval
NIL							

- B-2. Details of forest land proposed to be diverted

B-2.1 Details of Divisions involved


SURAJIT DAS
General Manager/Project Head
Pachwara South Coal Mine Project
NUPPL, Dumka (Jharkhand)

S.no	Division Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Dumka	398.3243	316.531
Total		398.3243	316.531

B-2.2 Details of Districts involved

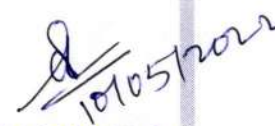
District wise breakup			
S.no	District Name	Forest Land(ha.)	Non-Forest Land(ha.)
1.	Dumka	398.3243	316.531
Total		398.3243	316.531

B-2.3 Village wise breakup











Villages wise breakup			
S.no	Village	Forest Land(ha.)	Non-Forest Land(ha.)
1	Chirudih	89.7417	116.5833
2	Kundapahari	194.2582	181.3893
3	Mahuldabar	114.3244	18.5584
Total		398.3243	316.531

B-2.4 Component wise breakup


Component wise breakup			
S.no	Component	Forest Land(ha.)	Non-Forest Land(ha.)
1	Top soil dump	6.53	0
2	Safety zone	6.5	4.34
3	Haul road between quarries	0	17.13
4	Road diversion	0	3.31
5	Settling pond	0	0.04
6	Road and Infrastructure area	0	18.47
7	Garland drains	0	4.89
8	Embankment	0	3.56
9	Green Belt	0	3.06
10	Backfilled Area	340.3843	183.2357
11	Excavated void	44.91	75.23
12	Undisturbed area	0	3.2653


SURAJIT DAS
 General Manager/Project Head
 Pachwara South Coal Mine Project
 NUPPL, Dumka (Jharkhand)

C. Maps of forest land proposed to be diverted

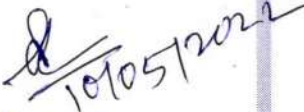
Division 1. : Dumka		
(i). Area of forest land proposed to be diverted(in ha.) : 398.3243		
(ii). Nature of the Project: Non Linear		
(a). No. of patches : Eight		
Patch wise details		
Patch No.	Area of Patch(in ha.)	Kml File of PatchesTo view KML file on google the same may be downloaded and then open if in google earth install in your computer.
1.	11.567	 View File
2.	1.6356	 View File
3.	32.7481	 View File
4.	61.7859	 View File
5.	77.9706	 View File
6.	154.3498	 View File
7.	0.0484	 View File
8.	115.0054	 View File
(iii). Copy of Survey of India Toposheet indicating boundary of forest land proposed to be diverted: 		
(iv). Scanned copy of the Geo-referenced map of the forest land proposed to be diverted prepared by using GPS or Total Station: 		

D. Justification for locating the Project in forest land and details of alternatives examined:

(i). Copy of note containing justification for locating the Project in forest land: 

E. Employment likely to be generated

(i). Whether the Project is likely to generate employment?: Yes


SURAJIT DAS
 General Manager/Project Head
 Pachware South Coal Mine Project
 NUPPL, Dumka (Jharkhand)

(iii). Temporary Employment(Number of person-days): 3000

F. Displacement of People due to the Project, if any


(i). Whether Project involves displacement?: Yes

(a). Total Number of families : 314

(b). Number of Scheduled Caste families : NIL

(c). Number of Schedule Tribes families : 298


(d). Number of other families : 16

(ii). Copy of Rehabilitation and Resettlement Plan: 

(a). Copy of approval to Ministry of Tribal Affairs, Government of India to Rehabilitation and Resettlement: 

G. Details of Cost-Benefit analysis for the Project

(i). Whether the Project requires Cost-Benefit analysis?: Yes

(a). Copy of Cost-Benefit analysis: 

H. Status of Environmental Clearance

(i). Whether the Project requires Clearance under the Environment (Protection) Act 1986 ? : Yes

(a). Status of the Environmental Clearance to the Project: EC under process

(ii). Environmental Clearance File No.: IA-J-11015/18/2020-IA-II(M)

I. Status of Wildlife Clearance

(i). Whether the Project or a part thereof is located in any Protected Area or their Eco sensitive zone? : No

J. Applicability of special provisions governing Scheduled Areas

(i). Whether the Project or a part thereof is located in a Scheduled Area? : No


SURAJIT DAS
General Manager/Project Head
Pachware South Coal Mine Project
NUPPL, Dumka (Jharkhand)

Status of settlement of rights under the Forest Rights Act, 2006 on the forest land proposed to be diverted

- (i). Whether the process for settlement of Rights under the Forest Rights Acts 2006 on the forest land proposed to be diverted has been completed? : No

L. Details of land identified for Compensatory Afforestation

- (i). Whether non-forest or Revenue forest land is required to be provided by User Agency?: Not Applicable
- (ii). Whether the area of non-forest land or Revenue forest land required to be provided by User Agency for raising Compensatory Afforestation is less than area of forest land proposed to be diverted?: Not Applicable
- (iii). Reason for not providing Non-Forest Land: Not Applicable

M. Mining Details





M-1. Details of Mineral Concessions

- (i). Whether the forest land is acquired under Coal Bearing Areas Act: Yes

(a). Total area of the mining lease(in ha.): 714.8553

(b). Area of forest land located in the mining lease(in ha.): 398.3243

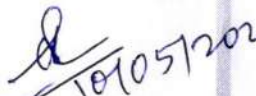
M-2. Details of Mining Plan

- (i). Date of approval of mining plan: 11 Nov 2020
- (ii). Approval authority: Ministry of Coal, Government of India
- (iii). Copy of approval of mining plan: 
- (iv). Copy of approved mining plan: 
- (v). Nature of mining (underground/opencast): Opencast
- (vi). Copy of the detailed land use plan in 1:4,000 scale prepared by using GPS or Total Station : 
- (vii). Copy of map of the outer boundary of mining lease area:  [View file](#)

M-3. Details of prospecting undertaken to assess mineral reserves

- (i). Whether detailed prospecting to assess mineral reserve in the lease has been undertaken: Yes

prospecting undertaken to assess mineral reserves					
S.no	Designation of authority responsible for grant of the original prospecting licence	Date of grant of prospecting licence	Period of validity of extension prospecting licence From	Period of validity of extension prospecting licence To date	Copy of prospecting licence


10/05/2022
SURAJIT DAS
General Manager/Project Head
Pachware South Coal Mine Project
NUPPL, Dumka (Jharkhand)

1	10/08/2019	23 Jul 2019	10 Aug 2019	09 Aug 2021	
---	------------	-------------	-------------	-------------	--

M-4. Details of extension (if any) of original prospecting licence issued in the past

(i). Whether detailed prospecting to assess mineral reserve in the lease has been undertaken: No

M-5. Brief details of prospecting activities undertaken in the mining lease :

(i). Detail of prospecting activity under taken in the mining lease: Detail exploration in the block has been carried out since 1987. Altogether 69 numbers of coring boreholes were drilled and considered for preparation of the Geological Report. Drillhole spacing found

M-5.1 Details of bore holes drilled for prospecting :

Bore holes drilled for prospecting				
S.no	No. of Bore holes (in forest land)	Diameters(in inch.) forest land	No. of Bore holes (in non-forest land)	Diameters(in inch.) non-forest land
1	15	4	54	4

M-5.2 Estimated Reserve along with accuracy and confidence level

Estimated Reserve along with accuracy and confidence level						
Minerals	Estimated Reserve (million tones)	% accuracy (+ -)	% confidence level	Estimated Reserve (million tones)	% accuracy (+ -)	% confidence level
Coal and Lignite	174.43	90	80	199.09	90	80

M-6. Details of approval under the Forest (Consevation) Act,1980 obtained for undertaking prospecting activities in the forest land located in the mining lease

(i).Whether approval under the Forest (Conservation) Act, 1980 for undertaking prospecting activities in the forest land located in the mining lease have been obtained Yes

Details of approval under the Forest(Consevation) Act,1980					
S.no	MoEF File No	Date of approval	Area of forest land diverted(in ha.)	From Date	To Date
1	FP/JH/MRL/18/2015/3304	23 Jul 2019	1.612625	10 Aug 2019	09 Aug 2021

M-7. Mineral wise details

(i). No. of minerals: One

26/05/2022
SURAJIT DAS
 General Manager/Project Head
 Pachwara South Coal Mine Project
 NUPPL, Dumka (Jharkhand)

Mineral wise details						
Minerals	Estimated reserve in non forest land(million tons.)	Estimated reserve in forest land(million tons.)	Estimated annual extraction(million tons.)	Estimated life of mine(Yrs.)	Total estimated extraction during mining lease period(million tons.)	Estimated mineral reserve at the end of mining lease(million tons.)
Coal and Lignite	199.09	174.43	13.5	38	262.84	0











M-7.1 Proposed use of the minerals proposed to be raised from the mining lease


(i). Proposed use of the minerals proposed to be raised from the mining lease: Captive


















(a). Copy note containing details of the linked end-use Project:

(ii). Copy note containing details of the plan for the transportation of the minerals proposed to be raised from the mining lease:

Additional information Details

Documents		
S.No	Documents	Remarks
1		Undertaking to bear cost of land for compensatory afforestation
2		ToR Approval Letter
3		Declaration regarding CA land
4		Undertaking regarding CA Cost
5		PCCF letter and correspondence regarding identification of CA Land
6		Undertaking regarding cost of fencing of safety zone area and afforestation
7		Undertaking regarding cost of NPV
8		Undertaking regarding FRA
9		Undertaking regarding NPV
10		Mine Plan Approval Letter


10/05/2022
SURAJIT DAS
General Manager/Project Head
Pachwara South Coal Mine Project
NUPPL, Dumka (Jharkhand)

12		Copy of Authenticated land schedule
13		EDS reply letter and compliance
14		Signed copy of note containing detail plan for coal transportation
15		Signed copy of note containing detail of linked project
16		Copy of approved Mine plan is re-uploaded
17		Undertaking-approval of Ministry of Tribal Affairs shall be obtained
18		Allotment order
19		georeferenced cadastral plan
20		forest patches on toposheet
21		Approval letter for prospecting
22		Undertaking for tree felling
23		cost benefit analysis
24		signed justification note
25		signed Geo referred map for revised Forest area (455.1108 Ha)
26		Topo Map for Forest patches
27		EDS reply submission on 16.04.2022
28		EDS reply submission on 01.04.2022

Print

10/05/2022
SURAJIT DAS
 General Manager/Project Head
 Pachwari South Coal Mine Project
 NUPPL, Dumka (Jharkhand)

APPENDIX (See Rule 6)

FORM - 'A'

**Form for seeking prior approval under section 2 of the proposals
by the State Governments and other authorities**

PART- I

(to be filled up by user agency)

1. Project details:
 - (i) Name of the Project: Pachwara South Coal Mine Project, State- Jharkhand, Category – Mining, Shape –Non-Linear, Proposal No. – FP/JH/MIN/59823/2020
 - (ii) Map showing the required forest land, boundary of adjoining forest on a 1:50,000 scale map.- Annexure No. VI
 - (iii) Cost of the project: 1795.01 Cr.
 - (iv) Justification for locating the project in forest area –Enclosure attached in Annexure No. V
 - (v) Cost-benefit analysis – Enclosure Annexure No. XXVI
 - (vi) Employment likely to be generated – 1288 No. of Persons
2. Purpose-wise break-up of the total land required: Enclosures attached in Annexure No. XXXXIII
3. Details of displacement of people due to the project, if any:
 - (i) Number of families. – 314
 - (ii) Number of Scheduled Castes/Scheduled Tribe families. – 0/298.
 - (iii) Rehabilitation plan. (To be enclosed). – An undertaking enclosed as Annexure No. XXIV
4. Whether clearance under Environment (Protection) Act, 1986 required? - The Environment Clearance (EC) for the Pachwara South Coal Block (PSCB) is under process. Terms of Reference (ToR) issued from the MoEF&CC for conducting EIA study is enclosed as Annexure No. XXXIX. Also, an undertaking to obtain NOC (Consent to Operate) under Air and Water Act from State Pollution Control Board is enclosed as Annexure No. XXIII
5. Undertaking to bear the cost of raising and maintenance of compensatory afforestation and/or penal compensatory afforestation as well as cost for protection and regeneration of Safety Zone, etc. as per the scheme prepared by the State Government – Enclosures attached in Annexure No. XVII, XVIII and XXXI
6. Details of Certificates/documents enclosed as required under the instructions – Enclosure attached in Annexure No. XXXXIV as undertaking for the “Specific Wildlife Management Plan”.


(SURAJIT DAS)

General Manager/Project Head
Pachwara South Coal Block
Neyveli Uttar Pradesh Power Ltd. (NUPPL)

SURAJIT DAS
General Manager/Project Head
Pachwara South Coal Mine Project
NUPPL, Dumka (Jharkhand)

Dated:- 10.05.2022

Place:- Dumka

State serial No. of proposal- FP/JH/MIN/59823/2020

(To be filled up by the Nodal Officer with date of receipt)

एन यू पी पी एल



नेयवेलीउत्तरप्रदेशपावरलिमिटेड

NEYVELI UTTAR PRADESH POWER LIMITED

(एन.एल.सीइंडियालिमिटेडएंव्यू.पी.राज्यविद्युतउत्पादननिगमलिमिटेडकासंयुक्तउपक्रम)

(A JOINT VENTURE OF NLCINDIA LTD. & UP RAJYA VIDYUT UTPADAN NIGAM LTD.)

घाटमपुरथर्मलपावरप्रोजेक्टसाइटआफिस, लहुरीमऊगाँवकेपास-काशिमपुर, तहसील-घाटमपुर

समूहि (डाकघर)-208001, जिलाकानपुरनगर, उत्तरप्रदेश

GHATAMPUR THERMAL POWER PROJECT SITE OFFICE,

NEAR VILLAGE LAHURIMAU-KASIMPUR, GHATAMPUR TEHSIL, P.O.: SAMUHI-208001,

KANPUR NAGAR DISTRICT, UTTAR PRADESH

CIN: U40300UP2012GO1053569, GSTIN: 09AAECN3221F1ZS

E-Mail: ceo.nuppl@nclindia.in, ts.nuppl@nclindia.in



Lr. No.: NUPPL/PSCMP/CEO/FC/2022/05/1435

Date: 09.05.2022

Authorization Letter

Shri Surajit Das, General Manager/Project Head/PSCB, is hereby authorised as applicant on behalf of **M/s Neyveli Uttar Pradesh Power Ltd.** for all matters related to Forest Clearance (FC) of Pachwara South Coal Block, Dumka, Jharkhand. He is authorised to sign all the letters, documents, reports etc. related to Forest Clearance (FC).

For Neyveli Uttar Pradesh Power Ltd.

(SANTHOSH C.S.)

Chief Executive Officer/Project Proponent

SURAJIT DAS

General Manager/Project Head
Pachwara South Coal Mine Project
NUPPL, Dumka (Jharkhand)

Check List

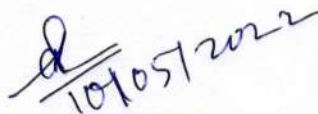
Sl. No	Particulars of Documents	Annexure	Page No
1	Acknowledgment Slip of online submission of application	I	1-2
2	FORM - A for seeking prior approval of Central Government under section 2 of the Forest(Conservation) Act,1980 for Diversion of fresh forest area (PART - I)	II	3-8
3	Copy of documents in support of the competence/authority of the person making this application to make application on behalf of the User Agency (Shri Mohan Reddy K, CEO NUPPL)	III	9
4	Copy of authorization letter from NUPPL (Shri Rajmohan S., General Manager/Project Head/PSCB)	IV	10
5	Note containing justification for locating the Project in forest land	V	11-12
6	Geo-referenced cadastral plan for the forest land under diversion	VI	13-16
7	Survey of India Toposheet indicating boundary of forest land proposed to be diverted	VII	17-19
8	KML of forest area under diversion (CD)	VIII	CD
9	Copy of Land use plan (conceptual plan) approved by the Ministry of Coal as part of approved mine plan of PSCB	IX	20
10	Revised approved forest land schedule by the Divisional Forest Officer (DFO) Dumka on 02 February 2022	X	21-46
11	Copy of Authenticated land schedule by the Revenue Department, Gopikander Block, Jharkhand	XI	47-178
12	Statement showing details of forest area proposed for diversion (Form -II)	XII	179
13	Land details for the non-forest area	XIII	180
14	Statement showing details of non-forest area involved in the project (Form -III)	XIV	181
15	Copy of the Coal Block Allotment order by the Ministry of Coal for the Pachwara South Coal Block (PSCB) to M/s NUPPL (Enclosure 12 of EDS response)	XV	182-185
16	Certificate for the minimum use of forest land (Form -IV)	XVI	186


SURAJIT DAS
 General Manager/Project Head
 Pachwara South Coal Mine Project
 NUPPL, Dumka (Jharkhand)

17	Undertaking for payment for the CA Land (Form -V)	XVII	187
18	Undertaking to bear the cost of raising Compensatory afforestation (CA)	XVIII	188
19	Undertaking for payment for the NPV of the forest area (Form -VI)	XIX	189
20	Undertaking for payment for the additional NPV of the forest area (Form -VII)	XX	190
21	Undertaking to obtain NoC for the settlement of rights under the Forest Rights Act,2006 on the forest land proposed to be diverted (Enclosure-G of EDS Response)	XXI	191
22	Species wise tree enumeration list submission to the DFO Dumka	XXII	192
23	Undertaking to obtain NOC under air and water act from State Pollution Control Board	XXIII	193
24	Undertaking for the Social Impact Assessment (SIA) & Rehabilitation and Resettlement Plan	XXIV	194
25	Copy of approved mine closure/reclamation plan	XXV	195-206
26	Copy of Cost-Benefit analysis	XXVI	207-211
27	Coal reserve under forest and non - forest area of the PSCB	XXVII	212-215
28	Certificate from the DFO Dumka & Pakur that the block not falling under National Park & wildlife santury	XXVIII	216-217
29	Copy of approval letter of mining plan from The Ministry of Coal	XXIX	218-219
30	Copy of approved mining plan and mine closure plan	XXX	220-354
31	Undertaking to bear the cost of fencing for the safety zone area	XXXI	355
32	Safety Zone demarcation map of PSCB	XXXII	356-358
33	Mining lease document of the Pachwara South Coal Block (approval of Section 11 of the Coal Bearing Areas (Acquisition and Development) Act, 1957	XXXIII	359-362
Additional documents			
34	Copy of The Mine and Minerals (Development & Regulation) amendment Act 2021	XXXIV	363-374
35	Undertaking to obtain approval of Ministry of Tribal Affairs, Government of India on Rehabilitation and Resettlement	XXXV	375
36	Copy of approval under the Forest (Consevation) Act,1980 for undertaking prospecting activities in the forest land located in the mining lease (Aproval on Form C)	XXXVI	376-380

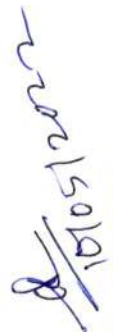

SURAJIT DAS
 General Manager/Project Head
 Pachwar South Coal Mine Project
 NUPPL, Jharkhand

37	Copy of note containing details of the linked end-use Project	XXXVII	381
38	Copy of note containing details of the plan for the transportation of the minerals proposed to be raised from the mining lease	XXXVIII	382
39	Terms of Reference (ToR) Approval Letter issued from the MoEF&CC for conducting EIA study for the PSCB	XXXIX	383-394
40	Undertaking to bear the cost of tree felling charges	XL	395
41	Stage Plan approved by the Ministry of Coal as part of approved mine plan of PSCB	XLI	396
42	Letter from the PCCF dated 24th March 2022 regarding updation of Part I	XLII	397
43	Details of the Purpose-wise break-up of the total land required	XLIII	398
44	Undertaking for "Specific Wildlife Management Plan"	XLIV	399
45	FORM - 'A'- Form for seeking prior approval under section 2 of the proposals by the State Governments and other authorities (PART- I)	XLV	400


SURAJIT DAS
 General Manager/Project Head
 Pachwar: South Coal Mine Project
 NUPPL, Dumka (Jharkhand)

Dumka Damin Range, Kathikund(Mahuldabar, Kundapahari and Chirudih Villages)

Local Name of Trees	Scientific Name of Trees	(0-30)CM.	(31-60)CM.					(91-120)CM.	(121-150)CM.	(>150)CM.	Total
			A	B	C	D	E				
Aam	Mangifera Indica	3	11	10	2	1	6				A+B+C+D+E 33
Arjun	Arjun	20	217	42	9	2	4				294
Asan	Terminalia Tomentosa	302	19191	2205	539	174	122				22533
Jamun	Syzgium Cumini	10	184	51	10	4	4				263
Kend	Diasporus Melanoxylon	4	12	4	5	1	3				29
Kurum	Others	0	1	0	0	0	0				1
Mahuwa	Madhuka Indica	206	5463	1987	821	202	202				8881
Neem	Neem	6	18	6	1	0	0				31
Sagwan	Tectona Grandis	0	2	0	0	0	0				2
Sal	Sal	305	25605	4480	1161	311	227				32089
Other	Other	380	22696	2950	780	249	253				27308
Total -		1236	73400	11735	3328	944	821				91464


SURAJIT DAS
 General Manager/Project Head
 Pachwar: South Coal Mine Project
 NUPPL, Dumka (Jharkhand)


 Divisional Forest Officer
 Dumka Forest Division, Dumka

General Manager / Project Head
 Pachwar South Coal Mine Project
 NUPPL, Dumka (Jharkhand)