

Letter No.-JSW/U/O/2026/30

Date- 14.04.2026

To

The Divisional Forest Officer,  
Keonjhar Forest Division  
Keonjhar.

**Sub: Diversion of 3.960 ha (Fresh diversion 0.970 ha + re-diversion of 2.990 ha) of forest land for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd. under Keonjhar Forest Division in Keonjhar District, Odisha.**

**X-Sub: Submission of Compliance of Stage-I stipulation imposed by MoEF&CC, Govt. of India. IRO, Bhubaneswar**

**Ref: Your Office Letter No.13269/6F-Mining-08/2022, dt.21.11.2023.  
Letter No. 5-ORB572/2023-BHU, dt.10.11.2023 of MoEF&CC, Govt. of India, IRO, Bhubaneswar.**

Dear Sir,

With reference to the subject cited above, we would like to intimate you that Stage-I Forest Clearance has been obtained over 3.96 ha (Fresh diversion 0.970 ha + re-diversion of 2.990 ha) of forest land for lying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd. under Keonjhar Forest Division in Keonjhar District, Odisha vide letter No. 5-ORB572/2023-BHU, dt.10.11.2023.

Now we are submitting here with the pointwise compliance stipulated in Stage-I Forest Clearance as advice by your good office as given below.

Sl. No	Condition	Compliance
2 A.	Conditions which need to be complied prior to handing over of forest land by the State Forest Department.	
(i)	The user agency shall transfer online, the Net Present Value (NPV) of 3.960 ha forest land being diverted under this	We have transferred an amount of Rs.56,89,213/- towards NPV over 3.96 ha of forest land being diverted through RTGS vide UTR No. RTGS/

	proposal, as per the Orders of Hon'ble Supreme Court of India dated 28.03.2008, 24.04.2008 and 09.05.2008 in Writ Petition (Civil) No.202/1995 and the guidelines issued by this Ministry vide its letter No.5-3/2011-FC (Vol-I) dated 06.01.2022 and 22.03.2022. The requisite funds shall be transferred through online portal in CAMPA account of the State concerned.	ICICR42023121800504231/UBIN0996335 on dt.18.12.2023 to the forest dept. The relevant document is enclosed as <b>Annexure-01</b> .
(ii)	The identified non- land of 4.021 Ha for raising compensatory afforestation shall be transferred and mutated in the name of Forest Department and notified as RF/PF prior to Stage-II approval.	The identified non forest land for Compensatory Afforestation over 4.021 ha has transferred and mutated in favour of State Forest Dept. The ROR Copy is enclosed as <b>Annexure-02</b> . Subsequently the said land is notified as PF under Section-29 of Indian Forest Act, 1927. The Copy of the notification is enclosed as <b>Annexure-03</b>
(iii)	The land identified for the purpose of Compensatory Afforestation/Addl. C.A. shall be clearly depicted on a Survey of India Topo sheet of 1:50,000 scale.	The Topo sheet map showing the area identified for Compensatory Afforestation in 1:50,000 scale is enclosed as <b>Plate-01</b> .
(iv)	The KML files of the area to be diverted and the CA areas shall be uploaded on the e-Green watch portal with all requisite details before issuing working permission towards linear projects or submitting compliance report for seeking Stage-II approval, as the case may be.	The KML files of the area to be diverted and the CA areas is uploaded by the forest department on the e-Green watch portal with all requisite details.
(v)	The user agency shall transfer the cost of raising and maintaining the compensatory afforestation at the current wage rate in consultation with State Forest Department in the account of CAMPA of the concerned State through online portal. The Scheme may include appropriate provision for	We have transferred an amount of Rs.32,44,800/- towards the cost of Compensatory Afforestation at the current wage rate through RTGS on dt.18.12.2023 as demand raised by DFO, Keonjhar. The Payment slip is enclosed as <b>Annexure-04</b> .

	anticipated cost increase for works scheduled for subsequent years.	
(vi)	All the funds received from the user agency under the project shall be transferred/ deposited in CAMPA account only through e-portal ( <a href="https://parivesh.nic.in">https://parivesh.nic.in</a> ) Amount deposited through other mode will not be accepted as compliance of the Stage-I clearance.	All the fund under the project has been deposited in CAMPA account.
vii	The compliance report of the Stage-I approval shall be uploaded on e-portal ( <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> ).	The compliance report of the Stage-I approval is uploaded on e-portal ( <a href="https://parivesh.nic.in/">https://parivesh.nic.in/</a> ).
viii	The complete compliance of the FRA, 2006 shall be ensured by way of prescribed certificate from the concerned District Collector.	The certificate of Scheduled Tribes and Traditional Forest Dwellers (Recognition of Forest Right) Act, 2006 is issued by District Collector, Keonjhar over 0.970 ha forest area proposed for diversion vide letter No.5404, dt.20.09.2025. The copy is enclosed as <b>Annexure-05</b> . The FRA certificate over 2.99 ha of forest land applied for re-diversion is not required.
ix	The boundary of the proposed forest land for diversion, shall be demarcated on ground at the project cost, by erecting four feet high reinforced cement concrete pillars, each inscribed with its serial number, distance from pillar to pillar and GPS co-ordinates.	The boundary of the forest land proposed for diversion has demarcated by 4 feet height reinforced cement concrete pillars. Each pillar inscribed with Serial no. & DGPS Co-ordinates. Photographs of the pillars are enclosed as <b>Annexure-06</b> .
<b>B</b>	<b>Conditions which need to be strictly complied on field after handing over of forest land to the user agency by the State Forest Department but the compliance in form of undertaking shall be submitted prior to Stage-II approval.</b>	
i	Legal status of forest land proposed for diversion shall remain unchanged.	Legal status of the forest land proposed for diversion will remain unchanged. An undertaking is enclosed as <b>Annexure-07</b> .

ii	Compensatory afforestation shall be raised over 4.02 Ha of non-forest land identified in Plot No.566(P), Khata No.67 of KISSAM-Parbat-II of village Podadihi under Bsnspal Tahasil of Keonjhar District under Keonjhar Forest Division within one year from the date of Stage-II Clearance and maintained thereafter by the State Forest Department, at the cost of user agency. The species to be planted in the CA scheme shall be of native species of the area. At least 18-month-old seedlings should be planted. Intensive monitoring of the plantation needs to be done and documented using Geo tagging so that the increase of canopy density and survival and growth of plantation can be evaluated at regular intervals.	We have deposited an amount of Rs.32,44,800/- for Compensatory Afforestation cost at the current wage rate through RTGS on dt.18.12.2023 as demand raised by DFO, Keonjhar. The Payment slip is enclosed as <b>Annexure-04</b> . The implementation of same shall be conducted by forest department.
i	At the time of payment of Net Present Value (NPV) at the then prevailing rate, the user agency shall furnish an undertaking to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.	We undertake to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India. An undertaking is enclosed as <b>Annexure-07</b> .
ii	The user agency shall comply with the conditions stipulated in the final forest clearance granted to M/s NHA for four/six laning, widening and strengthening of existing two lane of N11-215 (Rimull-Rajamunda Section) in Keonjhar and Sundargarh District of Odisha vide Ministry's letter No.5-ORA198/2014-BHU dated 16.04.2019.	We will comply with the conditions stipulated in the final forest clearance granted to M/s NHA for four/six laning, widening and strengthening. An undertaking to this effect is enclosed as <b>Annexure-07</b> .
iii	The user agency shall obtain Environmental Clearance as per the provisions of Environment (Protection) Act, 1980, if applicable.	Environment (Protection) Act, 1980 is not applicable for this project.

**Station Office**

JSW Steel Ltd., JSW Centre, Bhadrasahi  
Keonjhar-758035, Odisha.

**Registered Office**

JSW Centre  
BandraKurla Complex,  
Bandra East, Mumbai – 400 051  
CIN : U27209MH2017PLC301887

**T** : +91 22 4286 1000

**F** : +91 22 4286 3000

[www.jsw.in](http://www.jsw.in)

iv	The user agency shall prepare and implement intensive Soil & Moisture Conservation Plan along both sides of proposed water pipeline corridor passing through forest area in consultation with Forest Department at project cost.	The Scheme for Soil & Moisture Conservation Plan along both sides of proposed water pipeline corridor passing through forest area is technically approved by RCCF Rourkela. The copy is enclosed as <b>Annexure-08</b> . As per the approved scheme we have constructed 13 no. of Loose Boulder Check Dam (LBCD) & Cement Concrete Check Dam at the respective area. The Geo-tag photographs are attached as <b>Annexure-09</b>
v	The user agency shall take all measures for protection and conservation in the area in consultation with State Forest Department.	We undertake to take all the measures for protection and conservation in the area in consultation with State Forest Department. An undertaking is enclosed as <b>Annexure-07</b> .
vi	The user agency shall explore the possibility of successful transplantation of maximum number of trees identified to be felled and shall be planted alongside the road and shall ensure that any tree felling shall be done only when it is unavoidable and that too under strict supervision of the State Forest Department.	We have translocated 23 nos. of trees identified for felling alongside the road as per the instruction of forest department. The Photographs is enclosed as <b>Annexure-10</b> .
vii	No labour camp shall be established on the forest land and the user agency shall provide fuels preferably alternate fuels to the labourers and the staff working at the site so as to avoid any damage and pressure on the nearby forest areas.	No labour camp will establish on the forest land. An undertaking is enclosed as <b>Annexure-07</b> . We are providing canteen facility to the labourers for fooding of the staff working at the site.
(viii)	No additional or new path will be constructed inside the forest area for any activity related to the project work.	We undertake that no additional or new path will be constructed inside the forest area for any activity related to the project work. An undertaking is enclosed as <b>Annexure-07</b> .
(ix)	The user agency while executing works, shall not fell any tree or damage forest growth in the surrounding forest area in any manner.	We undertake that while executing works, we will not fell any tree or damage forest growth in the surrounding forest area in any manner. An undertaking is enclosed as <b>Annexure-07</b> .
(x)	The layout plan of the proposed forest land shall not be changed without the	We undertake that the layout plan of the proposed forest land will not change without the prior approval

**Registered Office**

JSW Centre  
 BandraKurla Complex,  
 Bandra East, Mumbai – 400 051  
 CIN : U27209MH2017PLC301887  
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**Station Office**

JSW Steel Ltd., JSW Centre, Bhadrasahi  
 Keonjhar-758035, Odisha.

	prior approval of Ministry of Environment, Forest & Climate Change.	of Ministry of Environment, Forest & Climate Change. An undertaking is enclosed as <b>Annexure-07</b> .
xi	The forest land shall not be used for any purpose other than that specified in the proposal.	We ensure that the forest land will not use for any purpose other than that specified in the proposal. An undertaking to this effect is enclosed as <b>Annexure-07</b> .
xii	The forest land proposed to be diverted shall under no circumstances be transferred to any other user agency, department or person without the prior approval of Ministry of Environment, Forest & Climate Change.	An undertaking to this effect is enclosed as <b>Annexure-07</b> .
xiii	No damage to the flora and fauna of the adjoining area shall be caused.	We ensure that no damage to the flora and fauna of the adjoining area shall be caused. An undertaking is enclosed as <b>Annexure-7</b> .
xiv	The concerned Divisional Forest Officer, will monitor and take necessary mitigative measures to ensure that there is no adverse impact on the forests in the surrounding area.	Requested for needful action
xv	The user agency shall submit annual self-monitoring report on compliance of stipulated conditions to the Nodal Officer (FCA) of the State and concerned Regional Office of this Ministry by the end of March every year	We undertake to submit annual self- monitoring report on compliance of stipulated conditions to the Nodal Officer (FCA) of the State and concerned Regional Office of this Ministry by the end of March every year. An undertaking is enclosed as <b>Annexure-07</b> .
xvi	Any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area, shall be complied by the user agency.	We undertake to comply any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area. An undertaking is enclosed as <b>Annexure-07</b> .
xvii	The State Govt. and user agency shall ensure compliance to provisions of the all Acts, Rules, Regulations, Guidelines, NGT Order (s) & Hon'ble Court Order (s) pertaining to this	We undertake to execute the compliance to provisions of the all Acts, Rules, Regulations, Guidelines, NGT Order (s) & Hon'ble Court Order (s) pertaining to this project, if any, for the time being in force, as applicable

	project, if any, for the time being in force, as applicable to the project.	to the project. An undertaking is enclosed as <b>Annexure-07</b> .
xviii	Violation of any of these conditions will amount to violation of Forest (Conservation) Act, 1980 and action would be taken as prescribed in Para 1.21 of Chapter 1 of the Handbook of comprehensive guidelines of Forest (Conservation) Act, 1980 as issued by this Ministry's letter No.5-2/2017-FC, dated 28.03.2019.	We undertake to comply the violation of any condition of Forest Conservation Act, 1980 as prescribed in para 1.21 of Chapter 1 of Hand book of comprehensive guidelines issued by this Ministry's letter No. 5-2/2017-FC, dt.28.03.2019. An Undertaking is enclosed as <b>Annexure-07</b> .

As all the stipulated conditions have been complied by us, we, therefore request your good self to kindly take necessary action at your end for onward transmission of the compliance report for obtaining the **final approval of forest Clearance** (Stage-II) from MoEF&CC, Govt. of India over 3.960 ha (Fresh diversion 0.970 ha + re-diversion of 2.990 ha) of forest land for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd. under Keonjhar Forest Division in Keonjhar District, Odisha.

An early action at your end is highly solicited.

**Rakesh Kumar Ojha**




**(Authorized Signatory)  
JSW Utkal Steel Limited**

Encls: As above

Annexure - 01  
o/c

**JSW Utkal Steel Limited**



**No.- JSW/U/O/2023/168**

**Date - 18/12/2023**

To,

The Divisional Forest Officer,  
Keonjhar Division.

Sub: - Proposal for diversion of 3.960 ha (Fresh diversion 0.970 ha + re-diversion of 2.990 ha) of forest for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd. Under Keonjhar Forest Division in Keonjhar District, Odisha.

**X-Sub-(i) Demand of fund towards NPV over 3.96 ha forest land.**  
**(ii) Demand of fund towards approved CA Scheme.**

Ref: (i) Letter no 13267/6F- Mining-08/2022 Dated 21.11.2023.  
(ii) Letter no 13265/6F- Mining- 101/2022 Dated 21.11.2023.

Sir,

With reference to the above-mentioned letters on the captioned subject, JSW Utkal Steel Ltd. Has deposited the approved amount towards NPV over 3.96 ha forest land being diverted under the aforesaid proposal and towards cost of CA scheme vide RTGS having transection details RTGS/ICICR42023121800504231/UBIN 0996335 (Amount: - Rs 5689213.20) and RTGS/ICICR 42023121800504230/UBIN 0996335 (Amount: - Rs 3244800) on 18.12.2023.

The proof of deposit of fund is submitted to the good office for further necessary action.

Thanking you  
With Regards

Ashesh Kumar Padhy  
Authorized Signatory  
JSW Utkal Steel Limited

Enclosed: - Bank Advice Receipt

Received  
SF  
19/12/23  
Station Office  
JSW Steel, Keonjhar, Odisha  
Keonjhar - 753075 (O.D.)

Registered Office

JSW Steel  
Bhilai Industrial Complex  
Bhilai, Sarguja, Madhya Pradesh  
Pin - 492019, India  
T: +91 771 238 0000  
F: +91 771 238 0000





**ICICI Bank Advice Receipt**  
**12/18/23 10:22 AM**

**Transaction Details**

Account Number: **006105023813**

Transaction Date: **18-12-2023 00:00:00**

Transaction Amount: **INR 56,89,213.20**

Debit/Credit: **Debit**

Transaction Description : **RTGS/ICICR420231218005  
04231/UBIN0996335/**

**Note: This is an electronically generated receipt and  
does not need any signature.**



**OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION**

Phone No- 06766-254315, email ID- [dfo.keonjhar@odisha.gov.in](mailto:dfo.keonjhar@odisha.gov.in)

No. 13267

/6F-Mining-08/2022

Dated, Keonjhar the

21<sup>st</sup> November, 2023

To

The Authorized Signatory, M/s JSW Steel Limited,  
Plot No.3, Forest Park, Shishubhawan Square,  
Bhubaneswar-751009, Odisha

Sub:

Proposal for diversion of 3.960 ha (Fresh diversion 0.970 ha + re-diversion of 2.990 ha) of forest for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd. under Keonjhar Forest Division in Keonjhar District, Odisha.

X-Sub:

**Demand of funds towards Net Present Value (NPV) over 3.960 ha forest land.**

Ref:

Letter No.5-ORB572/2023-BHU dated 10.11.2023 of MoEF&CC, Govt. of India, IRO, Bhubaneswar and letter No.FE-DIV-FLD-0043-2023-24089/FE&CC dated 20.11.2023 of Govt. of Odisha Forest, Environment & Climate Change Department.

Sir,

With reference to the aforementioned letter on the captioned subject, this is to apprise that it has been stipulated vide condition No. 2.A.(i) of the Stage- I / in-principle approval *inter alia* state that User Agency shall pay NPV over 3.960 ha forest land being diverted under the aforesaid proposal as per guideline issued by this Ministry's letter No. 5-3/2011-FC(Vol-I) dated 06.01.2022 and 22.03.2022 and the same be deposited in the account of CAMPA of the State concerned.

It is therefore requested to deposit Rs.56,89,213.00 (Rupees fifty six lakhs eighty nine thousand two hundred thirteen) only towards NPV over 3.960 ha forest land being diverted under the aforesaid proposal as per guideline issued vide letter No. 5-3/2011-FC(Vol-I) dated 06.01.2022 and 22.03.2022 of MoEF&CC, Govt. of India of the applicable rate as calculated hereunder:-

1. Area of forest land to be utilised under FC Act, 1980 = 3.960 ha
2. Applicable rate of NPV per ha under FC Act, 1980 {Eco Value Class-I based on the forest type 3C/C2e(iii) Moist Peninsular Valley Sal. The average canopy density of the instant forest area is found to be 0.5 (taking in to account of Sidhamath & Thakurani RF).
3. Amount of NPV due for deposit- Rs.14,36,670/- per ha x 3.960 ha = **Rs.56,89,213.20 or Rs.56,89,213/- (Rupees fifty six lakhs eighty nine thousand two hundred thirteen) only.**

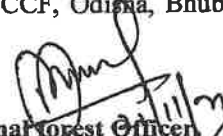
The demanded amount has to be deposited within 30 days from the date of issue of this letter through e-portal of MoEF&CC as provided in the <https://parivesh.nic.in/> and the proof/evidence of the deposit of fund be submitted to this office for further necessary action at this end.

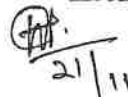
Yours faithfully,

  
Divisional forest Officer,  
Keonjhar Division.

(2)  
Memo No. 13268 /Dated 21-11-2023 21/11

Copy submitted to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela / Princl Chief Conservator of Forests, FD & NO, FC Act, O/o the PCCF, Odisha, Bhubaneswar for favour of kind information and necessary action.

  
Divisional forest Officer,  
Keonjhar Division.

  
21/11

Schedule I Form No.39-A

ଖତିୟାନ

ମୌଜା : ପୋଡ଼ାଢ଼ିହି  
ଥାନା : ନୟାକୋଟ  
ଥାନା ନମ୍ବର : 55

ତହସିଲ : ବାଂଶପାଳ  
ତହସିଲ ନମ୍ବର : 05  
ଜିଲ୍ଲା : କେନ୍ଦୁଝର

ଜମିଦାରଙ୍କ ନାମ ଓ ଖେମ୍ବଟ ବା ଖତିୟାନର କ୍ରମିକ ନମ୍ବର	ଓଡ଼ିଶା ସରକାର ପ୍ରଥମ ଭାଗ ଖୋସାଟ ନମ୍ବର ।
୧) ଖତିୟାନର କ୍ରମିକ ନଂ	1/2
୨) ପ୍ରକାର ନାମ, ପିତାର ନାମ, ଜାତି ଓ ବାସସ୍ଥାନ	ରାଜ୍ୟ ଜଙ୍ଗଲ, ପରିବେଶ ଓ ଜଳବାୟୁ ପରିବର୍ତ୍ତନ ବିଭାଗ, ଓଡ଼ିଶା ।

ନାମ	କଳକର	ଖଜଣା	ସେସ	ନିଷ୍କାର ସେସ ଓ ଅନ୍ୟାନ୍ୟ ସେସ ଯଦି କିଛି ଥାଏ	ମୋଟ	୫) କ୍ରମବର୍ଦ୍ଧନଶୀଳ ଖଜଣାର ବିବରଣୀ
୪) ବେସ		0.00	0.00	0.00	0.00	

୬) ବିଶେଷ ଅନୁସଙ୍ଗ  
ଯଦି କିଛି ଥାଏ

Alienation Case No. 25/2023 (ଦା.ଖା କେଶ ନଂ 68/2024) ହୁ.ମୁ ପୁଟ ନଂ 566/742 ରକବା ହେ 4,0200  
ଖା.ଖା 67 ରୁ ।

BLANK AREA FOR STAMPING

ଅତିମ ପ୍ରକାଶନ ତାରିଖ : 10/07/1981  
ଖଜଣା ଧାର୍ଯ୍ୟ ତାରିଖ :



ADDL. TAHASILDAR  
BANSPAL  
20/06/2024

ଖର୍ଚ୍ଚପାତ୍ରଙ୍କ କ୍ରମିକ ନଂ : 1/2		କୌଣସି ଗୋଟାଏ			କ୍ଷେତ୍ର : କେନ୍ଦୁଝର	
ପୁର ନମ୍ବର ଓ ଚକର ନମ୍ବର	ବିସମ ଓ ପୁରର ଖତଖା	ବିସମର ବିସ୍ତାରିତ ବିବରଣୀ ଓ କୌଣସି	ରାଜସ୍ୱ			ମତା
			ଏକକ	ଡି	ଫେକ୍ଟର	
୨	୮	୯	୧୦	୧୧	୧୨	
566-742	ପହର ବୃତ୍ତ		99336	4.0200		
1 ଘଟ			99336	4.0200		

  
 20/06/2024  
 ADDL. TAHASILDAR  
 BANSPAL

ରାଷ୍ଟ୍ରୀୟ ସୂଚନା ବିଜ୍ଞାନ କେନ୍ଦ୍ର, ଓଡ଼ିଶା

ପ୍ରାଧିକାରୀଙ୍କ ଦ୍ୱାରା (ସମ୍ପାଦକ)

20/06/2024

GOVERNMENT OF ODISHA  
FOREST, ENVIRONMENT AND CLIMATE CHANGE DEPARTMENT

\*\*\*\*\*

NOTIFICATION

Bhubaneswar, Dated the 01.02.25

No.FE-DIV-FLD-0043-2022-(10F-(Cons)-32/2023)- 2924 /FE&CC, In exercise of the powers conferred under Section-33 of the Odisha Forest Act, 1972 (Odisha Act 14 of 1972), the State Government do hereby declare that the following land situated in Village- **Podadihi** under Bansapal Tahasil of Keonjhar District mutated and transferred in favour of Forest, Environment & Climate Change Department for raising Compensatory Afforestation thereon against the proposed diversion of 3.960 ha (fresh diversion 0.970 ha + re-diversion of 2.990 ha) of forest land for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd. under Keonjhar Forest Division in Keonjhar District, Odisha vide 'Stage-I/ in-principle' approval of Government of India, MoEF&CC, Regional Office, Bhubaneswar communicated in letter No.5-ORB572/2023-BHU dated 10.11.2023 under Section-2 of the Forest (Conservation) Act, 1980, the limits of which are specified below and the area of which is 4.020 ha (9.9336 Ac) shall be a Protected Forest with effect from the date of issue of the Notification and shall be known as "**Podadihi-B Protected Forest**".

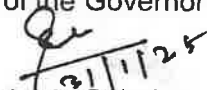
**Forest Block:**

Name of the Protected Forest : **Podadihi-B**  
Area of Protected Forest in Ha : 4.020  
Area in Acres : 9.9336  
Name of the Village : Podadihi  
Name of the Police Station : Nayakot  
Name of the Tahasil : Bansapal  
Name of the Sub-Division : Keonjhar Sadar  
Name of the District : Keonjhar

**Land Schedule:**

Village	Khata No.	Plot No.	Kissam	Area in Ac.	Boundary description			
					North	South	East	West
Podadihi	1/2	566/ 742	Parbat- II	9.9336	566	567	613/9 & 613/10	566/ 735
Total				9.9336 Ac or 4.020 Ha.				

By order of the Governor

  
(Satyabrata Sahu)

Additional Chief Secretary to Government

By e-Mail: [deputydirectorpp@rediffmail.com](mailto:deputydirectorpp@rediffmail.com)

Memo No. 2925 /FE&CC, Date 01.02.25

Copy with soft copy forwarded to the Director of Printing, Stationery and Publication, Odisha Cuttack for publication in an extra-ordinary issue of the Odisha Gazette and supply 10 copies of printed notification each to Forest, Environment &

Climate Change Department/ Director of Land Records and Surveys, Odisha, Cuttack/  
Collector, Keonjhar/ Divisional Forest Officer, Keonjhar Forest Division/ Tahasildar,  
Bansapal Tahasil, Dist.-Keonjhar.

2. The Notification is statutory and may be assigned SRO number.

*d. 31/1/2025*

OSD-cum-Special Secretary to Government

Memo No. 2926 /FE&CC, Date 01.02.25

Copy forwarded to the Assistant Inspector General of Forests, Govt. of India,  
Ministry of Environment, Forest and Climate Change, (F.C. Division), Indira Paryavaran  
Bhawan, Jor Bagh Road, Aliganj, New Delhi-110003/ Deputy Director General of Forests  
(Central), Govt. of India, MoEF&CC, Regional Office, A/3, Chandrasekharpur,  
Bhubaneswar-23 for information and necessary action.

*d. 31/1/2025*

OSD-cum-Special Secretary to Government

Memo No. 2927 /FE&CC, Date 01.02.25

Copy forwarded to the Revenue & Disaster Management Department/ Water  
Resources Department/ Steel & Mines Department/ Industries Department/ Member  
Secretary, SPCB, Odisha/ Director of Land Records and Surveys, Odisha, Cuttack/ RDC  
(ND) Sambalpur/ Collector, Keonjhar/ Tahasildar, Bansapal Tahasil, Dist.-Keonjhar for  
information and necessary action.

*d. 31/1/2025*

OSD-cum-Special Secretary to Government

Memo No. 2928 /FE&CC, Date 01.02.25

Copy forwarded to the Principal Chief Conservator of Forests & HoFF, Odisha/  
Principal Chief Conservator of Forests (WL) & CWLW, Odisha/ Principal Chief  
Conservator of Forests (FD&NO, FC Act), O/o the PCCF & HoFF, Odisha w.r.t. his letter  
No.14273, dt.22.07.2024/ Chief Conservator of Forests (Nodal) w.r.t. his Memo No.19869  
dated 01.10.2024/ Regional Chief Conservator of Forests, Rourkela Circle/ Divisional  
Forest Officer, Keonjhar Forest Division for information and necessary action.

*d. 31/1/2025*

OSD-cum-Special Secretary to Government

Memo No. 2929 /FE&CC, Date 01.02.25

Copy forwarded to the Head State Portal, IT Centre, Odisha Secretariat,  
Bhubaneswar/ OE (IT) Section, FE&CC Department w.r.t. this Department letter  
No.21646/F&E dtd.22.11.2016/ 5 spare copies for G.F. for information and necessary  
action.

*d. 31/1/2025*

OSD-cum-Special Secretary to Government

Memo No. 2930 /FE&CC, Date 01.02.25

Copy forwarded to the Director, M/s JSW Utkal Steel Ltd., Plot No.3, Forest Park,  
Bhubaneswar, Odisha 751009 for information and necessary action.

*d. 31/1/2025*

OSD-cum-Special Secretary to Government



Annexure-04  
O/L

**JSW Utkal Steel Limited**



**No.- JSW/U/O/2023/168**

**Date – 18/12/2023**

To,

The Divisional Forest Officer,  
Keonjhar Division.

Sub: - Proposal for diversion of 3.960 ha (Fresh diversion 0.970 ha + re-diversion of 2.990 ha) of forest for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd. Under Keonjhar Forest Division in Keonjhar District, Odisha.

**X-Sub-(i) Demand of fund towards NPV over 3.96 ha forest land.  
(ii) Demand of fund towards approved CA Scheme.**

Ref: (i) Letter no 13267/6F- Mining-08/2022 Dated 21.11.2023.  
(ii) Letter no 13265/6F- Mining- 101/2022 Dated 21.11.2023.

Sir,

With reference to the above-mentioned letters on the captioned subject, JSW Utkal Steel Ltd. Has deposited the approved amount towards NPV over 3.96 ha forest land being diverted under the aforesaid proposal and towards cost of CA scheme vide RTGS having transection details RTGS/ICICR42023121800504231/UBIN 0996335 (Amount: - Rs 5689213.20) and RTGS/ICICR 42023121800504230/UBIN 0996335 (Amount: - Rs 3244800) on 18.12.2023.

The proof of deposit of fund is submitted to the good office for further necessary action.

Thanking you  
With Regards

Ashesh Kumar Padhy  
Authorized Signatory  
JSW Utkal Steel Limited

Enclosed: - Bank Advice Receipt

Received  
SF  
19/12/23  
Station Office  
JSW Steel Ltd, JSW Centre, Bhubaneswar  
Keonjhar-753075 Odisha

Registered Office  
JSW Centre  
Jindal Group Complex  
Jindal Park, Mumbai - 400 055  
CIN: L21999MH2012PLC301387  
T: +91 22 4236 0000  
F: +91 22 4236 0000





**ICICI Bank Advice Receipt**  
**12/18/23 10:23 AM**

**Transaction Details**

Account Number: **006105023813**

Transaction Date: **18-12-2023 00:00:00**

Transaction Amount: **INR 32,44,800.00**

Debit/Credit: **Debit**

Transaction Description : **RTGS/ICICR420231218005  
04230/UBIN0996335/**

**Note: This is an electronically generated receipt and  
does not need any signature.**



OFFICE OF THE DIVISIONAL FOREST OFFICER, KEONJHAR DIVISION

Phone No- 06766-254315, email ID- [dfo.keonjhar@odisha.gov.in](mailto:dfo.keonjhar@odisha.gov.in)

No. 13265 /6F-Mining-101/2022  
Dated, Keonjhar the 21<sup>th</sup> November, 2023

To

The Authorized Signatory, M/s JSW Steel Limited,  
Plot No.3, Forest Park, Shishubhawan Square,  
Bhubaneswar-751009, Odisha.

Sub: Proposal for diversion of 3.960 ha (Fresh diversion 0.970 ha + re-diversion of 2.990 ha) of forest for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd. under Keonjhar Forest Division in Keonjhar District, Odisha.

X-Sub: Demand of funds towards approved CA Scheme.

Ref: Memo No. 20692 dated 17.10.2023 of Principal Chief Conservator of Forests (FD& NO, FC Act), O/o- the Principal Chief Conservator of Forests, Odisha, Bhubaneswar.

Sir,

With reference to the aforementioned memo on the captioned subject, you are requested to deposit the approved amount of **Rs.32,44,800/- (Rupees thirty two lakh forty four thousand eight hundred)** only towards the cost of Compensatory Afforestation Scheme through e-portal of MoEF&CC as provided in the <https://parivesh.nic.in/> and the proof /evidence of the deposit of fund be submitted to this office for further necessary action at this end.

**Details approved of Compensatory Afforestation Scheme.**

Sl. No.	Particulars	Amount to be deposited.
1.	Scheme for Compensatory Afforestation over 4.02 ha of non-forest Govt. land identified in Vill-Podadihi under Banspal Tahasil of BJP Forest Range.	32,44,800.00
	<b>Total</b>	<b>32,44,800.00</b>

(Rupees Rupees thirty two lakh forty four thousand eight hundred) only.

Yours faithfully,

  
21/11/23  
Divisional forest Officer,  
Keonjhar Division.

Memo No. 13266 <sup>(2)</sup> /Dated 21-11-2023 <sup>21/11</sup>

Copy submitted to the Regional Chief Conservator of Forests, Rourkela Circle, Rourkela / Princial Chief Conservator of Forests, FD & NO, FC Act, O/o the PCCF, Odisha, Bhubaneswar for favour of kind information and necessary action.

  
21/11/23  
Divisional forest Officer,  
Keonjhar Division.



**FORM NO.1**

(For Linear Projects)

Government of Odisha

OFFICE OF THE DISTRICT COLLECTOR : KEONJHAR

No. 5404 /Rev. Dt. 20 / 09 /2025


XIX-86/2025

**TO WHOMSOEVER IT MAY CONCERN**

In compliance of the Ministry of Environment and Forests (MoEF), Government of India's Letter No.11-9/98-FC-(Pt) dt.3<sup>rd</sup> August'2009 wherein the MoEF issued guidelines on submission of evidences for having initiated and completed the process of settlement of rights under the Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights Act)'2006 ( 'FRA' for short) on the forest land proposed to be diverted for non-forest purpose read with MoEF's letter dated 5<sup>th</sup> February'2013 wherein MoEF issued certain relaxation in respect of linear projects, it is certified that, area measuring **0.970 ha.** of forest land proposed to be diverted in favour of **M/s. JSW Utkal Steel Ltd.** for the purpose of laying water pipeline from Kandara to Nuagaon Mines of M/s. JSW Utkal Steel Ltd falls within jurisdiction of village Kandara, Loidapada, Bhuyanrudukela & Katesahi under Barbil Tahasil.

It is certified that,


- (a) The complete process for identification and settlement of rights under the FRA has been carried out for the entire **0.970Ha.** of forest land proposed for diversion. Copy of all requisite documents including the proceeding of SDLC, Keonjhar meeting and a copy of the proceeding of DLC meeting are enclosed as annexure- 1 to annexure-7.
- (b) No such facilities managed by Government requiring diversion of forest land u/s 3(2) of Forest Rights Act'2006 exist over the forest land proposed for diversion.
- (c) The proposal does not involve recognized rights of Primitive Tribal Groups and Pre-agricultural communities.

  
Collector, Keonjhar

Memo No. 5405 /Rev. Dt. 20 / 09 /2025

Copy of the certificate alongwith related documents ( Annexure-1 to 7) forwarded to the D.F.O. Keonjhar Division, Keonjhar for information and necessary action.

Copy forwarded to the Vice President-Administration (Authorized Signatory) of M/s. JSW Utkal Steel Ltd., JSW Centre Bandrakula Complex, Bandra East, Mumbai-400051 for information and necessary action with reference to his Letter No.199 dt.16.09.2024.

  
Addl. District Magistrate,  
Keonjhar

**PHOTOGRAPHS OF FOREST PILLAR PROPOSED FOR DIVERSION**



\* *Ramesh*  
18/7/26



PHOTOGRAPHS OF FOREST PILLAR PROPOSED FOR DIVERSION



\*  
Ramesh  
10/4/26



## UNDERTAKING

I, Rakesh Kumar Ojha, VP(Projects), Authorized Signatory of M/s JSW Utkal Steel Ltd, Barbil, do hereby undertake for the following conditions imposed in Stage-I approval for lying of water pipeline from Kandara to Nuagaon Iron Ore Mines.

1. Condition no.B.(i) the Lessee, JSW Utkal Steel Limited undertake that Legal status of the forest land proposed for diversion will remain unchanged.
2. Condition no.B.(i) the Lessee, JSW Utkal Steel Limited undertake to pay the additional amount of NPV, if so determined, as per the final decision of the Hon'ble Supreme Court of India.
3. Condition no.B.(ii) the Lessee, JSW Utkal Steel Limited undertake to comply the conditions stipulated in the final forest clearance granted to M/s NHAI for four/six laning, widening and strengthening of existing two lane of NH-215.
4. Condition no.B.(v) the Lessee, JSW Utkal Steel Limited undertake to take all the measures for protection and conservation in the area in consultation with State Forest Department.
5. Condition no.B.(vii) the Lessee, JSW Utkal Steel Limited undertake that no labour camp will establish on forest land.
6. Condition no.B.(viii) the Lessee, JSW Utkal Steel Limited undertake that no additional or new path will construct inside the forest area for any activity related to the project work.
7. Condition no.B.(ix) the Lessee, JSW Utkal Steel Limited undertake that while executing works, shall not fell any tree or damage forest growth in the surrounding forest area in any manner.
8. Condition no.B.(x) the Lessee, JSW Utkal Steel Limited undertake that the layout plan of the proposed forest land will not change without the prior approval of Ministry of Environment, Forest & Climate Change.
9. Condition no.B.(xi) the Lessee, JSW Utkal Steel Limited undertake that the forest land will not use for any purpose other than that specified in the proposal.
10. Condition no.B.(xii) the Lessee, JSW Utkal Steel Limited undertake that the forest land proposed to be diverted shall under no circumstances be transferred to any other user agency, department or person without the prior approval of Ministry of Environment, Forest & Climate Change.

**Station Office**

JSW Steel Ltd., JSW Centre, Bhadrāsahi  
Keonjhar-758035, Odisha.

**Registered Office**

JSW Centre  
BandraKurla Complex,  
Bandra East, Mumbai – 400 051  
CIN : U27209MH2017PLC301887

**T** : +91 22 4286 1000

**F** : +91 22 4286 3000

[www.jsw.in](http://www.jsw.in)

11. Condition no.B.(xiii) the Lessee, JSW Utkal Steel Limited undertake that no damage to the flora and fauna of the adjoining area shall be caused.
12. Condition no.B.(xv) the Lessee, JSW Utkal Steel Limited undertake to submit annual self- monitoring report on compliance of stipulated conditions to the Nodal Officer (FCA) of the State and concerned Regional Office of this Ministry by the end of March every year.
13. Condition no.B.(xvi) the Lessee, JSW Utkal Steel Limited undertake to comply any other conditions that the Ministry of Environment, Forests & Climate Change may impose from time to time in the interest of afforestation, conservation and management of flora and fauna in the area.
14. Condition no.B.(xvii) the Lessee, JSW Utkal Steel Limited undertake to execute the compliance to provisions of the all Acts, Rules, Regulations, Guidelines, NGT Order (s) & Hon'ble Court Order (s) pertaining to this project, if any, for the time being in force, as applicable to the project.
15. Condition no.B.(xviii) the Lessee, JSW Utkal Steel Limited undertake to comply the violation of any condition of Forest Conservation Act, 1980 as prescribed in para 1.21 of Chapter 1 of Hand book of comprehensive guidelines issued by this Ministry's letter No. 5-2/2017-FC, dt.28.03.2019



**Rakesh Kumar Ojha**

*Rakesh Kumar Ojha*  
18/4/26

**(Authorized Signatory)  
JSW Utkal Steel Limited**

Annexure-08



OFFICE OF THE REGIONAL CHIEF CONSERVATOR OF FORESTS, ROURKELA CIRCLE,  
AT/P.O. PANPOSH, ROURKELA-769 004.

Memo No. 533 /3F(Misc)-879/2023 Date: 15.02.2024

To

The Divisional Forest Officer,  
Keonjhar Division

Sub:

Diversion of 3.960 ha (Fresh diversion 0.970 ha + re-diversion of 2.990 ha) of forest land for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd. under Keonjhar Forest Division in Keonjhar District, Odisha.

Ref:

Your Memo No.1323 dated 13.02.2024.

The Scheme for implementation of intensive Soil & Moisture Conservation Plan along both sides of proposed water pipeline corridor passing through the forest area with maintenance of 10 years at the current wage rate of Rs.352/- per man day with a total financial outlay of Rs.76,96,500 /- prepared in compliance with the condition No. 2.B(iv) of the Stage-I approval accorded by IRO, MoEF & CC, Govt. of India vide their Letter 5-ORB572/2023-BHU dtd. 10.11.2023 and submitted vide your Memo under reference is hereby technically approved.

The technically approved scheme is returned herewith in duplicate for taking necessary action at your end.

Encl: As above.

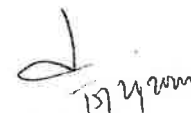
  
15/2/2024


 Regional Chief Conservator of Forests,  
Rourkela Circle

Memo No. 534

Date: 15.02.2024

Copy forwarded to the Principal Chief Conservator of Forests, Forest Diversion and Nodal Officer, FC Act, O/o the PCCF & HoFF for favour of kind information and necessary action with reference to Memo No.1324 Dtd.13.02.2024 of the DFO, Keonjhar.

  
15/2/2024

 Regional Chief Conservator of Forests,  
Rourkela Circle

SCHEME FOR  
SOIL & MOISTURE CONSERVATION PLAN  
ALONG BOTH SIDES OF PROPOSED WATER  
PIPELINE PROJECT FROM KANDARA TO  
NUAGAON IRON ORE MINES

OF

M/s JSW UTKAL STEEL LTD

(As per condition No. 2.B (iv) of the Stage-I Forest Clearance granted by IRO,  
MoEF&CC, Govt. of India, Bhubaneswar vide F. No. 5-ORB572/2023-BHU dated  
10.11.2023)

## 1. INTRODUCTION.

M/s JSW Utkal Steel Ltd, is a limited company incorporated on 15.11.2017 under the Company Act by Ministry of Corporate Affairs, Govt. of India and one of India's largest steel manufacturers with a capacity of 15 MTPA. It is one of the fastest growing companies in India with a footprint in over 140 countries. The Company also has strong presence across core economic sectors mostly in Steel, Energy, Infrastructure, Cement, Ventures and Sports. In their endeavour to expand the Steel business in India and on invitation from the Government of Odisha, JSW Steel also has formed JSW Utkal Steel Limited as a Non-Government company incorporated on 16th Nov 2017. This company deals with manufacture of ferrous and non-ferrous metals. JSW Steel is also operating 4 iron ore mines at Odisha.

M/s JSW Utkal Steel limited intends to setup a Greenfield Integrated Steel Plant along with Captive Power Plant (CPP) near Paradeep, Jagatsinghpur District, for production of 13.2 MTPA crude steel with 10 MTPA cement plant and 900 MW power via Blast Furnace (BF)-Basic Oxygen Furnace (BOF)-Caster route, followed by hot & cold rolling for production of flat & long products. In the 1st phase of the integrated steel project JSW plans to set up 20 MTPA Central Processing Unit, Grinding, Beneficiation cum-Slurry Pumping Unit of 30 MTPA Capacity at Nuagaon & 10 MTPA Central processing unit at Narayanposhi with 6MTPA Washing Unit at Odisha for transportation of raw material in slurry form through Pipe line approx. distance of 300 kms to the proposed Integrated Steel Plant at Paradeep.

M/s JSW Utkal Steel Ltd is having a power requirement of 75 MW for the proposed CPU, Grinding and Slurry pumping units at Nuagaon Mines. It is assessed that the power can be provided from nearest 132 KV substation from Nuagaon Mines based on approval from OPTCL. The User Agency is intended to take water from the reserves of water Kanpur Dam which is nearest to delivery point.

Only 1000 m<sup>3</sup>/hr of water drawl is M/s JSW's initial requirement and after the Completion of Slurry Pipeline/s in the future, 4000 m<sup>3</sup>/hr of water will be utilized for their plant requirement. Hence, Temporary Jackwell at downstream of Kanpur Dam, Pumps & Piping are to be planned to fulfil their initial requirement of 1000 m<sup>3</sup>/hr upto the delivery point. Later, Permanent Jackwell has to be designed for 4000 m<sup>3</sup>/hr on the upstream of Kanpur Dam with Pumps & Piping up to the delivery point.

There is no other alternative rout available in the vicinity of 50kms radius from Nuagaon Mines. The User Agency have applied for 4000 m<sup>3</sup>/hr water for utilization of 30 MTPA Grinding and Beneficiation & Slurry pumping station units at Nuagaon Mines based on the user agency requirement. On the basis of above scheme, JSW will start construction of temporary jack well at downstream of Kanpur Dam. At Elephant crossing points digging and laying of pipeline should be parallel and be done in consultation with local Range Officer.

Stage-I approval for diversion of 3.96 ha (diversion of 0.970 Ha. + re-diversion of 2.990 ha) forest land for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd has been accorded vide F.No. 5-ORB572/2023-BHU dated 10.11.2023 of IRO, Ministry of Environment, Forests & Climate Change, Govt. of India, Bhubaneswar subject to fulfilment of certain conditions.

As per condition No.2.B(iv) of the Stage-I approval, the User Agency has to take up *"The user agency shall prepare and implement intensive Soil & Moisture Conservation Plan along both sides of proposed water pipeline corridor passing through forest area in consultation with Forest Department at project cost"*.

## **2. LOCATION OF THE PROJECT**

The proposed permission over 3.96 ha (diversion of 0.970 Ha. + re-diversion of 2.990 ha) forest land for laying of water pipeline from Kandara to Nuagaon Iron Ore Mines of M/s JSW Utkal Steel Ltd Latitude - 21°57'43.32", Longitude- 85°19'20.70" finds place in Survey of India Topo-sheet No. F45N9, F45N5, F45H8 & F45H12.

## **3. INSPECTION, MONITORING AND EVALUATION**

For successful implementation of the above Soil & Moisture Conservation Plan along Both Sides of Proposed Water Pipeline project from Kandara to Nuagaon Iron Ore Mines, the Range Officer, Barbil Range has inspected the project site on dated 10.02.2024 with intimation vide his memo No. 75 dt. 11.02.2024 (**Copy enclosed**). In his field inspection of the project, 13 Nos. LBCD and 01 No. CC Check Dam structures are felt necessary at different locations with GPS reading and different size i.e. Kandara RF- 5 Nos, Near Rugudi under pass in Sidhamath RF- 4 Nos., Near Gamlei in Sidhamath RF- 4 Nos and Near Rugudi under pass in Sidhamath RF- 01 No. CC Check Dam to be constructed after approval of scheme.

## **4. EXECUTING AGENCY**

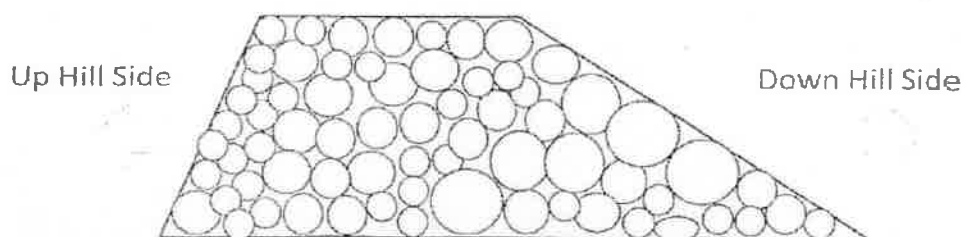
The works in the present scheme shall be executed by the User Agency having specialized departments headed by qualified persons with outsourced man and machinery. To facilitate this, the user agency shall establish its own executing and supervision cells along with required infrastructural facilities. In order to maintain the quality of work, in-house supervision through competent personnel shall be provided. The entire work shall be carried out in coordination with the Forest Department.

## **5. PROVISION OF FUNDS AND FUND UTILIZATION**

Rs. 76,96,500/- (Rupees seventy-six lakh ninety-six thousand five hundred) only shall be incurred by the User Agency i.e. M/s JSW Utkal Steel Ltd for implementation of the aforesaid scheme on approval of the scheme from the competent Authority of Forest Department.

## Design of Loose Boulder Check Dam (LBCD)

## Cross Section



Model Estimate of LBCD for Keonjhar Division				
Size- 10'x10'x5'	Details of cost for-1.00 Cum			
Description	Unit	Quantity	Rate	Amount(Rs)
<b>Materials:</b>				
Requirement of boulder- picked up and broken, 1/2 (10' + 4') x 10' x 5' = 350 cft or 9.90 cum, cost of boulder @Rs 199/- per cum for 9.9 cum.	Cum	9.9	199.00	1970.10
			<b>Sub Total: (A)</b>	<b>1970.10</b>
<b>Labour for construction of 1 cum</b>				
Stone packer	Day	0.1	392	39.20
Mason 2 <sup>nd</sup> Class	Day	0.5	442	221.00
Man Mulia	Day	1.5	352	528.00
N.B- Cost of transportation with a lead of 5 kms- Rs. 156.40 per cum			<b>Sub Total:</b>	<b>788.20</b>
			<b>For 9.9 cum i.e. 788.20 x 9.9 (B)</b>	<b>7803.18</b>
			<b>Total (A +B)</b>	<b>9773.28</b>
			<b>Cost of 10 cum</b>	<b>9773.28</b>
			<b>Cost for 1 cum</b>	<b>977.33</b>
			Overhead Charges @ 7.5%	73.30
			Contractor profit @ 7.5%	73.30
			Carriage and Royalty	279.67
			<b>Total</b>	<b>1403.60</b>
			Labour Cess 1%	14.03
				<b>1417.63</b>
			<b>Say</b>	<b>1418.00</b>

**Annexure- II**

Estimate for Reinforced Cement Concrete Check Dam for Keonjhar Forest Division (15 mt. x 4.5 mt. x 2.5 mt.)										
Sl. No.	Item wise Description	No.	Length	Width	H. / Ht	Quantity	Unit	Rate (Rs.)	Unit	Amount (Rs.)
1	Earth work excavation in Hard Soil within 50 m. initial lead and 1.5 m. initial lift including rough dressing and breaking clods etc. complete in all respect.									
	levelling the site	2	5	3	1.5	45	Cum			
						45	Cum	251.92	Cum	11,426
2	Earth work excavation in foundation in Hard Soil within 50 m. initial lead and 1.5 m. initial lift including rough dressing and breaking clods etc. complete in all respect.									
	Head Wall	1	15	1.5	1.5	33.75	Cum			
	Extension Wall	2	3	1.5	1.5	13.5	Cum			
	Wing Wall	2	2.5	1	1.5	7.5	Cum			
	Side Wall	2	2	1	1.5	6	Cum			
	D/S Cut-off Wall	1	15	0.3	2	9	Cum			
	D/S Aprone	1	15	2.7	0.5	24.3	Cum			
	U/S Cut-off Wall	1	15	0.3	0.9	1.35	Cum			
	Stream Bank Protection Wall on U/S & D/S	2	5	0.9	0.9	8.1	Cum			
						103.5	Cum			
						80.82	Cum	251.92	1 Cum	22,807
3	Filling in foundation and blinch with sand watered and rammed including material and labour, etc complete in all respect.									
	D/S Aprone	1	15	2.7	0.1	4.05	Cum			
						3.24	Cum	498.81	1 Cum	1515.14
										4)
4	Cement Concrete (1:2:6) with 4 cm size hard granite metal including cost of material and labour etc. complete in all respect.									
	Foundation									
	Head Wall	1	15	1.5	1	22.5	Cum			
	Extension Wall	2	3	1.5	1.5	13.5	Cum			
	Wing Wall	2	2.5	1	1.5	7.5	Cum			
	Side Wall	2	2	1	1.5	6	Cum			
	D/S Cut-off Wall	1	15	0.3	2	9	Cum			
	D/S Aprone	1	15	3	0.4	18	Cum			
	U/S Cut-off Wall	1	15	0.3	0.3	1.35	Cum			
	Stream Bank Protection Wall on U/S & D/S	2	5	0.9	0.9	8.1	Cum			
	Superstructure									
	Extension Wall	2	3	1	2.5	15	Cum			
	W=(1.5+0.5)/2=1 m									
	Wing Wall	2	2.5	0.75	1.5	4.88	Cum			
	W=(1+0.5)/2=0.75 m									
	Side Wall	2	1	0.75	2.5	3.75	Cum			

	$W=(1+0.5)/2=0.75$ m												
	Side Wall $W=(1+0.5)/2=0.75$ m Ht=(2.5+1.3)/2 =1.90 m	2	2.5	0.75	1.9	7.13	Cum						
	Stream Bank Protection Wall on U/S & D/S $W=(0.9+0.5)/2=0.7$ M	2	5	0.7	1	7	Cum						
						123.7	Cum						
						113.53	Cum	3887.62	1	4.41,361			
5	Rigid and smooth centering and shuttering for C.C. works including false works and dismantling them after casting including cost of materials.												
	C.C. foundation, Plinth band and footings bases of columns mass concrete precast slabs etc.												
	Superstructure												
	Head Wall U/S & D/S	2	15		1	30	Sqmt						
	Head wall sides $W=(1.5+0.7)/2=1.1$ m	2		1.1	1	2.2	Sqmt						
	Extension Wall Vertical Portion	4	3		2.5	30	Sqmt						
	Extension Wall Side in S/S $W=(1.5+0.5)/2=1$ M	2		1	2.5	5	Sqmt						
	Wing Wall Vertical Portion	4	2.5		1.3	13	Sqmt						
	Wing Wall Side in S/S	2		0.75	1.3	1.95	Sqmt						
	Side Wall Inside & Outside	4	1		2.5	10	Sqmt						
	Side Wall Inside & Outside Ht=(Ht of extension Wall-Ht of Wing Wall)/2 Ht=(2.5-1.3)/2=1.1 m	4	2.5		1.9	19	Sqmt						
	D/S Aprone	1	15		0.5	7.5	Sqmt						
	Stream Bank Protection Wall on U/S & D/S	4	5		1	20	Sqmt						
						133.65	Sqmt						
						131.15	Sqmt	107.4	Sqmt	14.086			
6	Cement Concrete (1:2:4) with 12 mm size hard broken granite Chips including all cost of labour and material but excluding cost of Transportation & Rebars etc. complete in all respect.												

1. (1) (2) (3) (4) (5) (6) (7) (8) (9) (10) (11) (12) (13) (14) (15) (16) (17) (18) (19) (20) (21) (22) (23) (24) (25) (26) (27) (28) (29) (30) (31) (32) (33) (34) (35) (36) (37) (38) (39) (40) (41) (42) (43) (44) (45) (46) (47) (48) (49) (50) (51) (52) (53) (54) (55) (56) (57) (58) (59) (60) (61) (62) (63) (64) (65) (66) (67) (68) (69) (70) (71) (72) (73) (74) (75) (76) (77) (78) (79) (80) (81) (82) (83) (84) (85) (86) (87) (88) (89) (90) (91) (92) (93) (94) (95) (96) (97) (98) (99) (100)

Head Wall Foundation	1	15	1.5	0.5	11.25	Cum			
Head Wall Superstructure W=(5+0.7)/2=1.1 m	1	15	1.1	1	16.5	Cum			
Pillars	7	0.7	0.6	1	2.94	Cum			
	2	0.7	0.3	1	0.42	Cum			
Aprone	1	15	3	0.1	4.5	Cum			
					35.61	Cum			
					29.16	Cum	6478.81	Cum	1,88,922
7 Supplying, fitting and placing uncoated HYSD bar reinforcement complete as per drawing and technical specification									
Foundation									
Mesh Longitudinal bars of 12 mm @ 0.2 m C/C	15	18			270	Mtr			
Mesh Distribution Bars of 8 mm @ 0.15 M C/C	110	2.5			275	Mtr			
Main Bars on Vertical position for Head Wall and Aprone of 12 mm @ 0.2 m C/C	120	9.5			1140	Mtr			
Distribution bars for Head Wall & Aprone of 8 mm @ 0.15 m C/C	60	1.6			960	Mtr			
Pillars Vertical Bars of 12 mm @ 0.15 m C/C	150	2			320	Mtr			
Pillars Distribution Bars of 8 mm @ 0.15 m C/C	70	4.2			294	Mtr			
Abstract									
Total length of 12 mm $\phi$ bars					1730	Mtr			
Required Weight for 12 mm bars = $D^2/162$ Kg/Mtr length i.e. 0.89 kg/Mtr			1730 x 0.89		1539.7	Kg			
Total length of 8 mm $\phi$ bars					1529	Mtr			
Required Weight for 8 mm bars = $D^2/162$ Kg/Mtr length i.e. 0.39 kg/Mtr			1529 x 0.39		596.31	Kg			
Total Reinforcement					2136.01	Kg			
Total					2136.01	Kg			

						21.36	Cum		
						21.36	Cum	8745.16	Per Qd 1,85,797
8	Cement Concrete (1:2:4) with 12 mm size hard broken granite chips including all cost of labour and material but excluding cost of Transportation & Royalty etc. complete in all respect.								
	Wearing Coat								
	Extension Wall	2	3	0.5	0.05	0.15	Cum		
	Wing Wall	2	2.5	0.5	0.05	0.13	Cum		
	Side Wall	2	3.5	0.5	0.05	0.18	Cum		
	Cushion	1	15	0.45	0.3	2.03	Cum		
	$W=(0.6+0.3)/2=0.45$ m								
	Stream Bank Protection Wall on U/S & D/S	2	5	0.5	0.05	0.25	Cum		
						2.73	Cum		
						2.32	Cum	6478.81	Cum 15,031
9	16mm thick cement plaster (1:6) including cost for material, labour, etc. complete in all respect.								
	Head Wall U/S portion	1	15		1	15	Sqmt		
	Head Wall D/S portion	1	15		1.28	19.2	Sqmt		
	Head Wall Top portion	1	15	0.7		10.5	Sqmt		
	Extension Wall U/S portion	2	3		2.5	15	Sqmt		
	Extension Wall Top portion	2	3	0.5		3	Sqmt		
	Wing Wall Front Portion	2	2.5		1.3	6.5	Sqmt		
	Wing Wall Top Portion	2	2.5	0.5		2.5	Sqmt		
	Wing Wall side above apron	2		0.5	1.3	1.3	Sqmt		
	Side Wall Front Portion	2	1.5		2.5	7.5	Sqmt		
	Side Wall Sleepy Portion - Ht = $(2.5+1.3)/2 = 1.9$ M	2	2.5		1.9	9.5	Sqmt		
	Side Wall Top Portion	2	3.5	0.5		3.5	Sqmt		
	D/S Apron	1	15	3		45	Sqmt		
	Stream Bank Protection Wall on U/S & D/S	2	5		1	10	Sqmt		
		2	5	0.5		5	Sqmt		
	Pillars	14	0.7		1	9.8	Sqmt		
		14		0.6	1	8.4	Sqmt		
	Top portion	2	0.7	0.6		2.8	Sqmt		
		2	0.7		1	1.4	Sqmt		

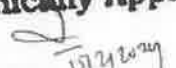


TOTAL COST OF PROJECT

Sl. No	Item of Work	Unit price	In Rupees
1	Cost of Loose Boulder Check Dam (LBCD) for @Rs. 199/- per Cum for 13 Nos.	Rs. 1418/- x Rs. 199/- x 13 nos.	36,68,366.00
2	Cost of CC Check Dam for @Rs. 61,007 per Mtr. or 1 No. (30' x 6.5' x 7.5')	Rs. 61,007/- x 45 mtr	27,45,315.00
	<b>Total</b>		<b>64,13,681.00</b>
3	Add escalation (20%)		12,82,736.20
	<b>Grand Total</b>		<b>76,96,417.20</b> Or say <b>76,96,500.00</b>

(Rupees seventy-six lakh ninety-six thousand five hundred) only.

  
13/02/24  
Divisional Forest Officer,  
Keonjhar Division.

**Technically Approved**  
  
15/2/2024  
Regional Chief Conservator of Forests  
Rourkela Circle

**PHOTOGRAPHS OF LOOSE BOULDER CHECK DAM (LBCD)**



→  
*Ramesh*  
10/4/26



**PHOTOGRAPHS OF CEMENT CONCRETE CHECK DAM**



→  
*Ramesh Chandra*  
18/1/26



**PHOTOGRAPHS OF TRANSLOCATION OF TREES**



*Prerna Singh*  
18/1/26



PHOTOGRAPHS OF TRANSLOCATION OF TREES



✓  
*Ramesh sh*  
*18/4/26*



TOPO MAP SHOWING RAISING COMPENSATORY AFFORESTATION LAND OVER AN AREA OF 4.02 HA. IDENTIFIED IN VILLAGE PODADIHI UNDER BANSPAL TAHASIL IN LIEU OF FOREST AREA TO BE DIVERTED FOR PROPOSED WATER PIPELINE CORRIDOR FROM KANDRA TO KOLMONG VILLAGE FOR JSW UTKAL STEEL LIMITED.

**No. F45N6**  
Scale 1:50,000

F45N1	F45N5	F45N9
F45N2	F45N6	F46N10
F45N3	F45N7	F45N11

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**CONVENTIONAL SYMBOLS**

**REFERENCE**

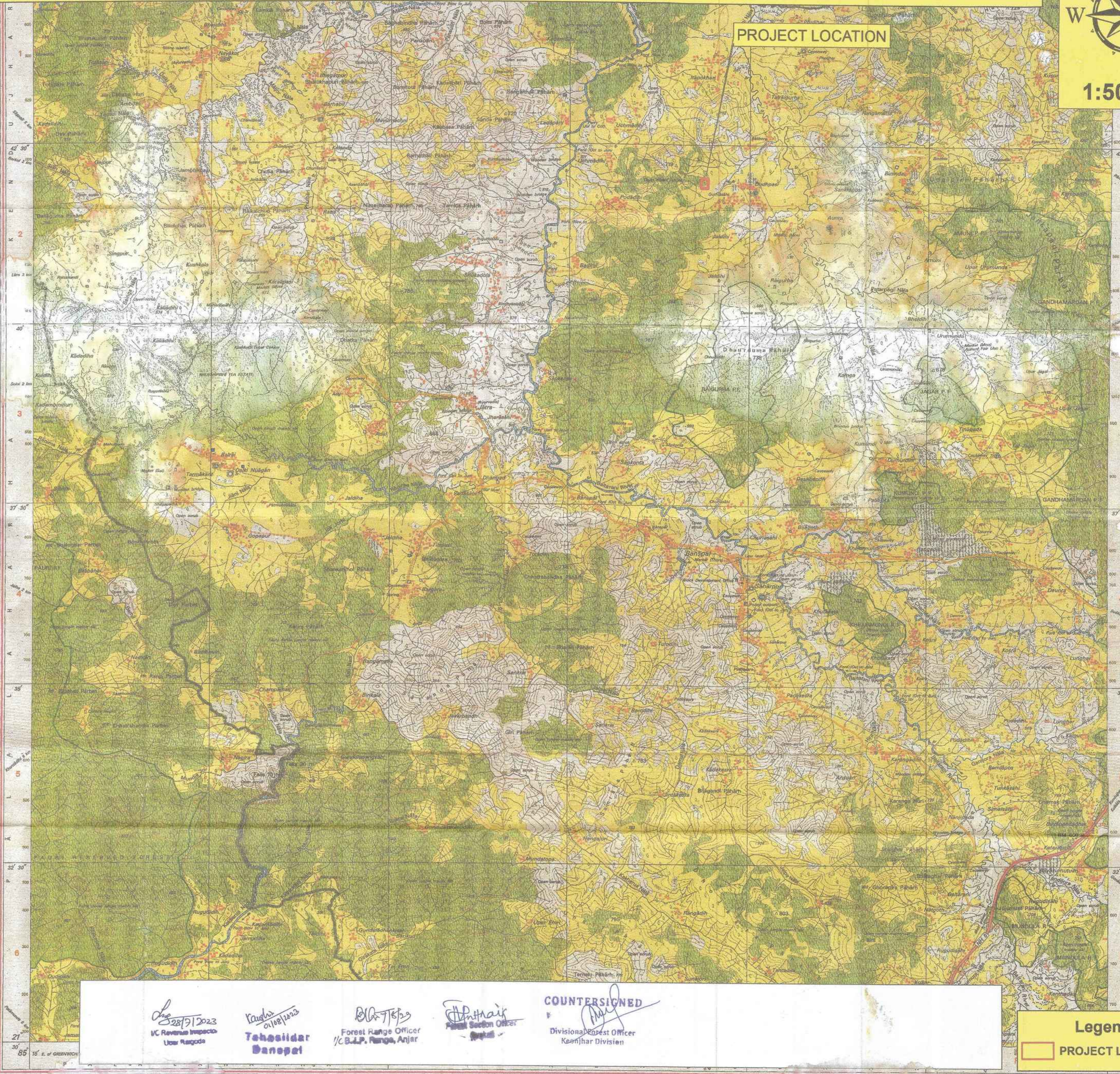
**NOTES**

**RELATION INDEX**

Projection - UTM Datum - WGS 84  
Magnetic Variation from True North about 1/2° West in 2005.  
Scale 1:50,000  
CONTOUR INTERVAL 20 METRES

For further details about this map, please contact  
Director  
Orissa Geo-Spatial Data Centre  
Survey of India  
Survey Bhawan, PO - B R Laboratory  
Bhubaneswar-761013.  
Fax : 0674 - 2301418  
WEBSITE - www.surveyofindia.gov.in

**1:50,000**



*[Signature]* 28/7/2023  
VC Revenue Inspector  
Uttam Khargada

*[Signature]*  
Tehsildar  
Banspal

*[Signature]*  
Forest Range Officer  
V.C.B.P. Range, Anjar

*[Signature]*  
Forest Section Officer  
Banspal

**COUNTERSIGNED**  
Divisional Forest Officer  
Keonjhar Division

**Legend**

PROJECT LOCATION