



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India)

क्षेत्रीय कार्यालय, ओडिशा / Regional Office, Odisha  
३०१-ए, तीसरी मंजिल, पाल हाईट्स, प्लाट नं जे/७, जयदेव विहार, भुवनेश्वर-७५१०१३, ओडिशा  
301-A, 3rd Floor, Pal Heights, Plot No : J7, Jayadev Vihar, Bhubaneswar-751013, Odisha  
दृष्टाप / Ph.: 0674- 2361470/670  
ई-मेल/ e-mail: roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट / Web : www.nhai.gov.in



NHAI/13011/54/RO/OD/ **3042** /2025

29.12.2025

To

The Sr. Technical Director,  
NIC Centre at MoRTH,  
Transport Bhawan,  
New Delhi 110001

Sub: Panikoili Rimuli section of NH-20: Permission for laying of Iron Ore Slurry Pipeline from Km. 13+000 to Km. 115+200 (LHS) in the state of Odisha - Reg.

Ref: PD, PIU - Keonjhar vide letter no. 1812 dated 13.11.2025  
Sir,

Please find enclosed herewith proposal of M/s Brahmani River Pellets Ltd for laying of Iron Ore Slurry Pipeline from Km. 13+000 to Km. 115+200 (LHS) in the state of Odisha. The details are as under:

Sr. No.	Along/ across	Chainage	Remarks
1	Along	Km. 13.000 to Km. 39.350 (LHS)	Through
2	Along	Km. 39.350 to Km. 74.740 (LHS)	Open Trenching
3	Along	Km. 74.740 to Km. 79.000 (LHS)	
4	Along	Km. 79.000 to Km. 79.070 (LHS)	Through HDD
5	Along	Km. 79.070 to Km. 79.500 (LHS)	
6	Along	Km. 79.500 to Km. 106.060 (LHS)	Through
7	Along	Km. 106.060 to Km. 107.000 (LHS)	Open Trenching
8	Along	Km. 107.000 to Km. 113.430 (LHS)	Through HDD
9	Along	Km. 113.430 to Km. 114.210 (LHS)	
10	Along	Km. 114.210 to Km. 115.200 (LHS)	Through
			Open Trenching

2. Accordingly, as per guidelines issued by MoRTH vide F. No. RW/NH-33044/29/2015/S&R(R) dt. 22.11.2016, the application along with the recommendations of concerned PD/Consultants are enclosed herewith with request to hoist the same in the Ministry's Website for public comments within 30 days of uploading on the website.

This is issued with the approval of Regional Officer, Odisha.

Yours Sincerely,

29.12.25  
(Abinash Behera)  
Manager (Tech)



सर्वभेद जपते

# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India)

श्वेतीय कार्यालय, ओडिशा / Regional Office, Odisha

३०१-ए, तीसरी मंजिल, पाल हाईट्स, प्लाट नं जे/७, जयदेव विहार, भुवनेश्वर-७५१०१३, ओडिशा  
301-A, 3rd Floor, Pal Heights, Plot No : J7, Jayadev Vihar, Bhubaneswar-751013, Odisha

दूरभाष / Ph.: 0674- 2361470/670

ई-मेल / e-mail: roodisha@nhai.org, ronhaiodisha@gmail.com, वेबसाइट / Web : www.nhai.gov.in



NHAI/13011/54/RO/OD/ **3043**/2025

29.12.2025

### INVITATION OF PUBLIC COMMENTS

**Sub: Panikoili Rimuli section of NH-20: Permission for laying of Iron Ore Slurry Pipeline from Km. 13+000 to Km. 115+200 (LHS) in the state of Odisha - Reg.**

Applicant, M/s Brahmani River Pellets Ltd has submitted the proposal for laying of Iron Ore Slurry Pipeline from Km. 13+000 to Km. 115+200 (LHS) in the state of Odisha. The details are as under:

Sr. No.	Along/ across	Chainage	Remarks
1	Along	Km. 13.000 to Km. 39.350 (LHS)	Through
2	Along	Km. 39.350 to Km. 74.740 (LHS)	Open Trenching
3	Along	Km. 74.740 to Km. 79.000 (LHS)	
4	Along	Km. 79.000 to Km. 79.070 (LHS)	Through HDD
5	Along	Km. 79.070 to Km. 79.500 (LHS)	
6	Along	Km. 79.500 to Km. 106.060 (LHS)	Through
7	Along	Km. 106.060 to Km. 107.000 (LHS)	Open Trenching
8	Along	Km. 107.000 to Km. 113.430 (LHS)	Through HDD
9	Along	Km. 113.430 to Km. 114.210 (LHS)	
10	Along	Km. 114.210 to Km. 115.200 (LHS)	Through
			Open Trenching

2. As per guidelines issued by MoRT&H vide F. No. RW/NH-33044/29/2015/S&R(R) dated 22.11.2016, the Highway Administration will put out the application in the public domain for 30 days for seeking claims and objections on grounds of public inconvenience, safety and general public interest.

3. In view of the above, the comments of public, if any, on the above-mentioned proposal are invited on below mentioned address:

The Regional Officer,  
National Highways Authority of India,  
Regional Office, Odisha  
301-A, 3rd Floor, Pal Heights,  
J/7, Jayadev Vihar, Bhubaneswar 751013, Odisha  
e-mail: [roodisha@nhai.org](mailto:roodisha@nhai.org)

This is issued with the approval of RO, Odisha.

29.12.25

Manager (Tech)  
National Highways Authority of India,  
Regional Office, Odisha  
301-A, 3rd Floor, Pal Heights,  
J/7, Jayadev Vihar, Bhubaneswar 751013



# भारतीय राष्ट्रीय राजमार्ग प्राधिकरण

(सड़क परिवहन और राजमार्ग मंत्रालय, भारत सरकार)

## National Highways Authority of India

(Ministry of Road Transport & Highways, Govt. of India)

प्ररियोजना कार्यालय इकाई, केन्द्रीय / Project Implementation Unit, Keonjhar  
बडेरा, मण्डुआ, केन्द्रीय - 758014, ओडिशा / Badadera, Mandua, Keonjhar- 758014, Odisha  
दूरभाष/ Ph: 06766-253295

ई-मेल / e-mail : pdnhai.kjr@nhai.org, pdnhai.kjr@gmail.com, वेबसाइट/ Web: www.nhai.gov.in



NHAI/PIU-KJR /NH-215/ROW Permission/ १४१२

Dt: 13.11.2025

To,

The Regional Officer,  
National Highways Authority of India,  
Regional Office - Odisha,  
Pal Heights, Jayadev Vihar,  
Bhubaneswar-751013

Sub: Four Laning of Panikoili - Rimuli section of NH-215 from Km.0.000 to Km.163.000 (Design length 166.173) in the state of Orissa - Revised Proposal for obtaining RoW for laying of Iron Ore Slurry Pipeline from KM 13+000 to KM 115+200 (LHS) of Panikoili-Rimuli Section of NH-20-Reg.

Ref: 1. The Authorised Signatory, BRPL, Keonjhar letter No. 54 dated 29.08.2025  
2. This office letter no. 1474 dated 03.09.2025  
3. IE letter no. 19 dated 09.09.2025  
4. The Authorised Signatory, BRPL, Keonjhar letter No. 63 dated 08.10.2025

Sir,

With reference to the subject cited above, it is for your kind information that the applicant, M/s. BRPL, Keonjhar has submitted the NOC proposal for obtaining RoW for laying of Iron Ore Slurry Pipeline from KM 13+000 to KM 115+200 (LHS) of Panikoili-Rimuli Section of NH-20 under reference 1st cited. The same has been forwarded to the Independent Engineer vide this office letter under reference 2nd cited, to conduct a site visit and to check the feasibility as per the & Ministry Circular RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 & Ministry Circulars RW/NH-37011/52/2020/BP&SP dated 15.01.2021.

2. Accordingly, the site inspection has been conducted by the Independent Engineer for the project stretch examine the proposal has been found to be in order as per guidelines vide under reference 3rd cited.

Further, the proposal has been scrutinised in light of the extant guidelines for "Accommodation of Public & Industrial Utilities along and across National Highways" issued vide Ministry Circular RW/NH-33044/29/2015/S&R (R) dated 22.11.2016 and Ministry Circulars RW/NH-37011/52/2020/BP&SP dated 15.01.2021 and the proposal has been found to be in order. The details of the Proposal and comments of this office are as under:

- The applicant M/s. BRPL, has appraised that the pipeline has been proposed to be laid in the NH-215 (New NH-20) to cater the Iron ore slurry only.
- The proposed iron ore slurry starts from Km 13+000 to Km 115+200 (LHS). The total width of corridor required is 700 mm.
- The pipes to be laid along the road may be open trenching but at Toll Plazas, drains, Bus-Bays, Truck lays, Rest areas, major intersections, VUPs, PUPS, AUPS, EUP and Crossing should be done by HDD/pushing Methodology as proposed to be adopted & should be strictly adhered to at site.

- The draft agreement as per MoRTH guideline is enclosed with the proposal.
- Check list is enclosed with the proposal.
- Letter of the Acting Team leader of the Independent Engineer for the subject project is enclosed herewith.

4. Technical Specifications & Methodology Statement of work is also attached with the proposal.
5. Alignment drawings & cross sections for the whole stretch for the above work are enclosed.
6. Performance BG, in favour of NHAI will be obtained from the Department after the in-principal approval of Competent Authority of NHAI before signing of the agreement as per MoRTH circular No.NH-12037/24/2012/SAEDP-NE dt.29.06.2012 & RW/NH-33044/29/2005-S&R(R) dt. 22.11.2016.
7. As per MoRTH circular no. RW/NH-33044/29/2005-S&R (R) dt. 22.11.2016, requisite licence fees will be taken from the Department before signing on the agreement.

4. In view of the above, the proposal of M/s. BRPL, Keonjhar is herewith submitted and is recommended for approval of the Competent Authority for the subject work.

Yours faithfully,

Encl. - As above



(Mahesh Gami)  
Project Director

Copy to:

1. The Authorised Signatory, BRPL, Keonjhar for kind information.
2. Independent Engineer, M/s. SA Infrastructure Consultants Pvt. Ltd., in association with DN Consultant, Keonjhar for kind information.



Ref. - SAICPL/DNC/O&M/NH-20/2025-26/19

Date: 09<sup>th</sup> September 2025

To,

**The Project Director (PIU)**  
**National Highway Authority of India**  
**Plot No. 63/4C7, At- Badadera,**  
**Po-Mandua, Dist, Keonjhar – 758014**  
**ODHISA.**

**Subject:** Independent Engineering Service during Operation & Maintenance stage of Four Laning of Panikoili- Keonjhar – Rimuli section of NH-20 (Old NH-215, from Km 0.000 to 163.000 (Design chain age Km 0.000 to Km 166.173) BOT Project under NHDP Phase-III in the state of Odisha  
– **Submission of Revised Proposal for obtaining ROW for laying of Iron Ore Slurry Pipeline from KM 13+000 to KM 115+200 (LHS) of Panikoili – Rimuli Section of NH - 20)**  
–Reg.

Ref: -1. NHAI/PKR/ROW/2025/PIU/KJR/1474

Dated- 03.09.2025

Dear Sir,

With reference to the subject cited above, M/s. BRPL has submitted a proposal for laying one number of 600 mm dia Slurry Pipeline along with 50 mm dia OFC duct within 700 mm width of the 5000 mm wide utility corridor from Km 13+000 to Km 115+200 along the Left Hand Side (LHS) of NH-215 (New NH-20), for the transportation of iron ore slurry.

In this regard, a joint site inspection was conducted along the proposed stretch to assess the feasibility of the proposal with respect to the availability of space in the utility corridor. It has been found that the proposal is technically feasible in the proposed locations.

Further, the proposal has been scrutinized in light of the extant guidelines for "Accommodation of Public and Industrial Utilities Along and Across National Highways," issued vide Ministry Circulars RW/NH-33044/29/2015/S&R(R) dated 22.11.2016 and RW/NH-37011/52/2020-BP&SP dated 5.01.2021. Based on the scrutiny, the proposal is found to be in order.

The details of the proposal and comments of the IE are as under.

1. The applicant M/s. BRPL, has appraised that the pipeline has been proposed to be laid in the NH-215 (New NH-20) to cater the Iron ore slurry only.
2. The proposed iron ore slurry starts from Km 13+000 to Km 115+200 (LHS). The total width of corridor required is 700 mm.
3. The pipes to be laid along the road may be open trenching but at Toll Plazas, drains, Bus-Bays, Truck lays, Rest areas, major intersections, VUPs, PUPs, AUPs, EUP and Crossing should be done by HDD/pushing Methodology as proposed to be adopted & should be strictly adhered to at site.

Team Leader

SA Infrastructure Consultants Pvt. Ltd  
In Association with DN Consultants

# BRAHMANI RIVER PELLETS LIMITED



## Registered Office :

5<sup>th</sup> Floor, IPICOL Annexe Building  
IPICOL House, Janpath  
BHUBANESWAR, ODISHA - 751022  
Tel. No. : 0674-6005101, 2543390  
Fax No. : 0674-2543398  
E-mail : admin@brplind.com  
(CIN)-U27106OR2006PLC008914

Letter No. BRPL/BP/HR/2025-54  
Dated 29<sup>th</sup> August 2025

To,

The Project Director  
National Highways Authority of India  
PIU-Keonjhar  
Badadera, Mandua, Keonjhar.

Sub: Submission of Revised Proposal for obtaining RoW for laying of Iron Ore Slurry Pipeline  
from KM 13+000 to KM 115+200 (LHS) of Panikoili-Rimuli Section of NH-20

Ref: Our Letter No. BRPL/BP/HR/2025-23 Dated 19<sup>th</sup> May 2025

Sir,

In drawing your kind attention to the subject cited above and the letter under reference, we are herewith submitting the revised proposal for obtaining RoW for laying of Iron Ore Slurry Pipeline from KM 13+000 to KM 115+200 (LHS) of Panikoili-Rimuli Section of NH-20. The proposal includes the following,

1. Revised Strip Plan from from KM 13+000 to KM 115+200 (LHS)
2. Undertakings & Affidavits
3. Copy of the Agreement
4. Check list
5. Authorization Letter for the Authorized Signatory
6. Methodology for Open trenching as well as HDD
7. Cross Section Drawing

Kindly process the same at the earlies and oblige.

Thanking You,

Yours Sincerely,

For Brahmani River Pellets Limited

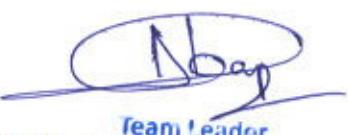
Authorized Signatory

National Highways Authority of India	
PIU - Keonjhar	
Received On	01.09.25
Entry No.	2953
Remarks	Pls check & return draft to JE
S.E. ....	AD DMT R
Steno.....	01/09/25
Accountant:	Pls check & return draft to JE
O.A. ....	
C.O. ....	
Others...	
Date of Reply	
Letter No. ....	

*Pls check & return draft to JE*

**ROW AVAILABLE FOR BRPL ON NH 20 @ LHS FROM CH 13+000 TO CH 115+200 (LHS)**

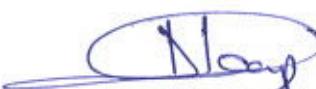
	From Chainage (m)	To Chainage (m)	Length (m)	Width Utilised for previous approved Utility from ROW Edge(m)	Offset of previously approved utility from PCL	Additional width proposed for BRPL	Offset of BRPL pipeline from PCL	Description of Previously Approved / Laid Utility Services	Type of Laying Proposed	Trench Depth from OGL (mm)
1	13+000	39+350	26350	4.300	25.700	0.700	25	JSW ( 1700 mm), Thriveni (2000 mm), Bharat Gas (600 mm)	Open Trench	1200
2	39+350	74+740	35390	4.300	25.700	0.700	25	JSW ( 1700 mm), Sompuri (2000 mm), Bharat Gas (600 mm)	Open Trench	1200
3	74+740	79+000	4260	3.700	26.300	0.700	26	JSW ( 1700 mm), Sompuri (2000 mm)	Open Trench	1200
4	79+000	79+070	70	5.000	25.000	0.700	25	JSW ( 1700 mm ), Sompuri (1800 mm), Tata (1500 mm)	HDD	4700
5	79+070	79+500	430	5.000	25.000	0.700	25	JSW ( 1700 mm), Bharat Gas (600 mm Dia) Tata (1500 mm), Sompuri (1200 mm)	HDD	4700
6	79+500	106+060	26560	3.620	26.380	0.700	26	Tata (1500 mm), Essar Minmet (1520 mm), Bharat Gas (600 mm )	Open Trench	1200



Team Leader  
 SA Infrastructure Consultants Pvt. Ltd.  
 In Association with DN Consultant.

7	106+060	107+000	940	4.420	25.580	0.700	26	PHED (800mm), Tata (1500 mm), Essar Minmet (1520 mm), Bharat Gas (600 mm )	HDD	4700
8	107+000	113+430	6430	4.920	25.080	0.700	26	PHED (800mm), Tata (1500 mm), Essar Minmet (1520 mm), Bharat Gas (600 mm ), Watco (500 mm)	HDD	4700
9	113+430	114+210	780	4.500	25.500	0.700	26	PHED (800mm), JSW ( 1700 mm), Sompuri (2000 mm)	HDD	4700
10	114+2.0	115+200	990	3.700	26.300	0.700	26	JSW ( 1700 mm), Sompuri (2000 mm)	Open Trench	1200

4. Appropriate methodology of open trench or trenchless methodology should be adopted for all such affected facilities, structures, obstructions and hindrances in the proposed stretches by the Applicant as per actual site conditions and as per instruction of the Authority.
5. There are several places where there is site constraints/presence of other utilities. Accordingly, the proposal has been submitted by the M/s. BRPL. The details of the proposal chainage wise are as under.
6. In Contract Agreement the service road at VUP, PUP, FOB and MNB locations has been constructed along with Toe and RCC drains, thus entire land of 30 meter (BHS) was consumed to facilitate the Toe drain along; hence, applicant has agreed to lay their slurry pipelines in HDD/pushing methodology.
7. The applicant has submitted the requisite drawings, documents, undertakings as per the guidelines and the proposal has been found to be in order. Further, the applicant has also submitted undertaking that where the ROW not available, they will lay pipeline outside ROW making their own arrangement at the locations where the utility corridor is not available.
8. In case if any damages occurred to any part of highway/structural component or other utility during the process of pipe laying, the same will be rectified and restored to original level/position with NHAI standards and specifications at the risk and cost of user agency i.e. (M/s. BRPL).



Team Leader  
 SA Infrastructure Consultants Pvt. Ltd  
 In Association with DN Consultants

9. M/s. BRPL mentioned and consented in their checklist, all specified items along with compliance/rectifications methods and methodologies are conforming to NHAI guidelines.
10. The applicant has undertaken to abide by all the conditions as per MoRTH guidelines F.No.RW/NH-33044/29/2015/S&R® dt.22.11.2016 and any other additional conditions imposed by MoRTH / NHAI from time to time during the proposed work of laying or crossing the NH till commissioning in entirety at all locations including any special case when designated by the Competent Authority of NHAI.
11. The pipelines which are to be laid on forest stretches shall be executed after getting approval from the Forest Department.

In view of the above, and based on technical scrutiny and joint site inspection, the proposal submitted by **M/s. BRPL** for utilization of the **utility corridor from Km 13+000 to Km 115+200 (LHS)** of NH-215 (New NH-20) is found to be **technically feasible and compliant with guidelines**.

It is therefore recommended that **approval for utilizing the NHAI utility corridor as requested by the applicant** may be considered at your end.

This is submitted for your kind information and further necessary action, please.

Thanking you and assuring our best services always.

Yours Truly,

For SA Infrastructure Consultants Pvt Ltd. In Association with DN Consultant

  
Team Leader  
SA Infrastructure Consultants Pvt. Ltd.  
In Association with DN Consultant.  
Laxmidhar Nayak 09.09.2025

Team Leader

# BRAHMANI RIVER PELLETS LTD.

4th Floor, IPICOL House, Janapath, Bhubaneswar, Odisha

Seeking ROW from Jajpur Road ( 13.000 Km ) to Keonjhar ( 115.200 Km ) on NH-20

## CHECK -LIST

Guidelines for Project Directors for processing the proposal for laying of 600mm dia Iron Ore Slurry Pipeline with OFC 50mm Dia along NH-20

### Relevant Circulars

- 1) Ministry Circular No. NH-41 (58)/68 dated 31.01.1969
- 2) Ministry Circular No. NH-3/P/66/76 dated 18/19.11.1976
- 3) Ministry Circular No. RW/NH-3/P/66/76 dated 11.05.1982
- 4) Ministry Circular No. RW/NH-11037/1/66-DOI (2) dated 28.07.1993
- 5) Ministry Circular No. RW/NH-11037/1/86/DOI dated 19.01.1995
- 6) Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999
- 7) Ministry Circular No. RW/NH-34066/7/2003 S&R (B) dated 17.09.2003
- 8) Ministry Circular No. RW/NH-33044/29/2015/S&R® dtd 22.11.16

Check list for approval for laying of Iron Ore Slurry Pipeline with OFC on NH ROW Land

SL.No.	Item	Information/status	Remarks
1	General Information	Brahmani River Pellets Ltd. has proposed to carry 4 MTPA 600mm dia Iron Ore Slurry Pipeline with 50mm dia OFC. In this context and with the available ROW width, seeking permission for laying 600mm dia Iron Ore Slurry Pipeline with 50mm dia OFC along National Highway No-20 from Jajpur Road (Chainage 13+000) to Keonjhar (Chainage 115+200) by Open Trench method in general & Horizontal Directional Drilling (HDD) method at specific location like River, Bridge, Canal, Road, Railway, Service Road...etc & places where locational constraint exist.	
1.1	Name and Address of the Applicant/Agency	BRAHMANI RIVER PELLETS LTD. 4th Floor, IPICOL House, Janapath, Bhubaneswar, Odisha	
1.2	National highway No-	NH - 20	
1.3	State	Odisha	
1.4	Location	Jajpur Road to Keonjhar	
1.5	Chainage in km	CH 13+000 km to CH 115+200 LHS	
1.6	Length in Meters	102200	
1.7	Width of available ROW	60 mtr (in general)	
	(a) Left side from center line towards increasing chainage/km direction	30 mtr	
	(b) Right side from centre line towards increasing chainage /km direction	30 mtr	
1.8	Proposal to lay underground pipes/electrical/FOC cables	Iron Ore Slurry Pipe 600mm dia with 50mm dia fibre optic cable laying in the same pipeline trench	

*Y. Ray*  
Team Leader  
SA Infrastructure Consultants Pvt. Ltd  
In Association with DN Consulta

*Site Engineer*  
B.E.  
NHAI, PIU - Keonjhar  
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for. Brahmani River Pellets Ltd.  
*Y. Ray*  
(Authorised Signatory)

PROJECT DIRECTOR  
Project Implementation Unit  
National Highways Authority of India  
MEGHALAYA

	(a) Left side from center line towards increasing chainage/km direction	Beyond 25 m from CL as per ROW availability (13.000 km to 115.200 km on LHS )	
	(b) Right side from centre line towards increasing chainage /km direction	NA	
1.9	Proposal to acquire land	NA	
	(a)Left side from center line	No	
	(b) Right side from centre line	No	
1.10	Whether proposal is in the same side where land is to be acquired	N/A	
	If not then where to lay the Pipeline	In the utility corridor of NHAI ROW	
1.11	Details of already laid services, if any ,along the proposed route	Yes, existing laid services considered in the cross sectional drawings & documents attached	
1.12	Number of lanes (2/4/6/8) existing	Existing 4 lanes	
1.13	Proposed number of lanes (2 lane with paved shoulders/4/6/8 lanes)	N/A	
1.14	Service road existing or not		
	If yes then which side	Yes	
	(a) Left side from center line towards increasing chalnage/Km direction	Existing service road varies from 14m to 30m from centre line of road	Details attached in Annexure
	(b) Right side from center line	NA	Details attached in Annexure
1.15	Proposed Service road	Yes	
	(a) Left side from center line	Proposed service road varies from 14m to 30m from centre line of road	Details attached in Annexure
	(b) Right side from center line	NA	Details attached in Annexure
1.16	Whether proposal to lay Iron Ore Slurry pipelines are after the service road or between the service road and main carriageway	HDD method is applicable in Service road after cover drain and as per availability of ROW at site	
1.17	The permission for laying of Iron Ore Slurry pipeline shall be considered for approval/rejection based on the ministry circulars mentioned as above.	Yes, agreed	
	a) Carrying of Iron Ore Slurry pipeline on Bridges shall not be permitted as fumes/gases pipe can accelerate the process of corrosion or may be cause explosion, thus bing much more injurious than leakage of water	Yes, agreed for not carrying Iron Ore Slurry pipelines on Bridges (Undertaking Attached)	

Team Leader NHAI, PIU - Keonjhar  
SA Infrastructure Consultants Pvt. Ltd.  
In Association with DN Consultant

Site Engineer  
By  
NHAI-PIU (Tech.)  
Keonjhar

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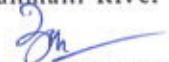
For Brahmani River Pellets Ltd.  
(Authorised Signatory)

PROJECT DIRECTOR  
Project Implementation Unit  
National Highways Authority of India  
KEONJHAR

	b) Carrying of water Pipe lines on Bridges shall also be discouraged. However, if the water supply authorities seem to have no other viable alternative and approach the Highway Authority well in time before the design of the bridge is finalised, they may be permitted to carry the pipe line on independent superstructure, supported on extended portions of piers and abutments in such a manner that in the final arrangement enough free space around the superstructure of the bridge remains available for the inspection and repairs etc.	Yes, agreed for not carrying Iron Ore/Return water pipelines on Bridges but over independent superstructure if required with permission of Authority	
	(c ) Cost of required extension of the substructure as well as that of the supporting superstructure shall be borne by the agency-in-charge of the utilities	Yes, agreed to comply	
	(d) Services are not being allowed indiscriminately on the parapet/any part of the bridges, safety of the bridges has to be kept in view while permitting various services along bridge. Approvals are to be accorded in this regard with the concurrence of the Ministry's Project Chief Engineers only	Yes, agreed to comply	
1.18	If crossings of the road involved - If Yes , it shall be either encased in pipes or through structure or conduits specially built for the purpose at the expenses of the agency owning the line	Yes, agreed to comply.	
	(a) Existing drainage structures shall not be allowed to carry the lines.	Yes, agreed to comply	
	(b) Is it on the line normal to NH	Yes	



For Brahmani River Pellets Ltd.



(Authorised Signatory)

**Team Leader**  
**SA Infrastructure Consultants Pvt. Ltd.**  
**In Association with DN Consultant.**




Site Engineer  
 NHAI, PIU - Keonjhar, R.  
 NHAI-PIU, Keonjhar



PROJECT DIRECTOR  
 Project Implementation Unit  
 National Highways Authority of India  
 KEONJHAR

	(c) Crossing shall not be too near the existing structures on the National Highway, the minimum distance being 15 M. What is the distance from the existing structures.	Distance from the nearest existing structures is beyond 15m	
	(d) The casing pipe (or conduit pipe in case of electric cable ) carrying the utility line shall be of steel, cast iron, or reinforced cement concrete and have adequate strength and be large enough to permit ready withdrawal of the carrier pipe/cable.	Yes, agreed and Casing pipe material to be used is MILD STEEL PIPE of 900mm dia for carrying Iron ore slurry pipeline 65mm dia with conduit pipe for fibre optic cable	HDD Technology will be adopted with casing pipes if required for specified locations along the road as per ROW statement,drainages,below structures, hindrances,etc
	(e) Ends of the casing /conduit pipe shall be sealed from the outside , so that it does not act as a drainage path.	Yes, agreed to comply	
	(f) The casing/conduit pipe should ,as minimum extend from drain to drain in cuts and toe of slope to toe of slope in the fills.	Yes, agreed to comply	
	(g) The top of the casing /conduit pipe should be at least 1.2 meter below the surface of the road subject to being at least 0.3 M below the drain inverts.	Yes, agreed to comply	
	(h) Crossing shall be boring method (HDD) specially where the existing road pavement is of cement concrete or dense bituminous concrete type.	Yes, crossing will be done by HDD method	
	(i) The casing/conduit pipe shall be installed with an even bearing throughout its length and in such a manner as to prevent the formation of water way along it.	Yes, agreed to comply	
2	Document/drawings enclosed with the proposal	Yes, drawing, documents, enclosed	

for.Brahmani River Pellets Ltd.

Team Leader  
SA Infrastructure Consultants Pvt. Ltd.  
In Association with DN Consultants

Site Engineer  
NHAI, PIU - Keonjhar

B.M.(Tech.)  
NHAI-PIU, Keonjhar

PROJECT DIRECTOR  
Project Implementation Unit  
National Highways Authority of India  
KEONJHAR

2.1	Cross section showing the size of trench for open trenching method (Is it normal size of 1.2m deep X 0.3m wide)	Not normal size but as per drawing attached	
	(i) Should not be greater than 60 Cm wider than the outer diameter of the pipe	Yes, agreed to comply	
	(ii) located as close to the extreme edge of the right- of-way as possible but not less than 15 meter from the center lines of the nearest carriageway	Yes, agreed to comply	
	(iii) Shall not be permitted to run along the National Highways when the road formation is situated in double cutting .Nor shall these be laid over the existing culverts and bridges.	Yes, agreed to comply	
	(d) These should be so laid that their top is at least 0.6 m below the ground level so as not to obstruct drainage of the road land	Yes, agreed to comply	
2.2	Cross section showing the size of pit and location of pipeline for HDD method	Yes, Submitted as incorporated in the drawing and attached methodology	
2.3	Strip plan/ route plan showing pipeline ,chainage, width of ROW, distance of proposed , pipeline from the edge of ROW ,important milestone , intersections, cross drainage works etc.	Yes, submitted showing all desired details in the drawings	
2.4	Methodology for laying Iron Ore Slurry pipeline	Yes, Submitted	
2.4.1	Open trenching method (may be allowed in utility corridor only where pavement is neither cement concrete nor dense bituminous concrete type .If yes, Methodology of refilling of trench	Yes, open trenching allowed as per submitted methodology at specific locations as per available ROW statement & attached drawings, further compliance by BRPL as per MoRTH/IRC guidelines and NHAI instructions for such site requirement	
	(a) The trench width should be atleast 30 cm, but not more than 60 cm wider than the outer diameter of pipe	Yes, agreed to comply	



Team Leader  
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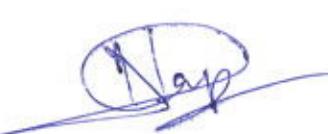
*S. S. S.*  
 Site Engineer  
 NHAI, PIU - Keonjhar  
 D.M.(Tech.)  
 NHAI-PIU, Keonjhar

For Brahmani River Pellets Ltd.

*D. K.*  
 (Authorised Signatory)

*P.*  
 PROJECT DIRECTOR  
 Project Implementation Unit  
 National Highways Authority of India  
 KEONJHAR

	(b) For filling of the trench ,Bedding should be a depth of not less than 30 cm. It shall consists of granular materials ,free of lumps,clods and cobbles and graded to yield a firm surface without sudden change in the bearing value. Unsuitable soil and rock edged should be excavated and replaced by selected material.	Yes, agreed to comply	
	(c ) The backfill shall be completed in two stages (i)side-fill to the level of the top of the pipe and (ii) overfill to the bottom of road crust.	Yes, agreed to comply	
	(d) The side fill shall consist of granular material laid in 15 cm layers each consolidated by mechanical tampering and controlled addition of moisture to 95% of the proctor's Density. Overfill shall be compacted to the same density as the material that had been removed . Consolidation by saturation or ponding will not be permitted.	Yes, agreed to comply	
	(e ) The road crust shall be build to the same strength as the existing crust on either side of the trench. Care shall be taken to avoid the formation of a dip at the trench.	Yes, agreed to comply	
	(f) The excavation shall be protected by flagman , signs and barricades , and red lights during night hours.	Yes, agreed to comply	
	(g) If required , a diversion shall be constructed at the expense of the agency owning the utility line	Yes, agreed to comply	
2.4.2	Horizontal Directional Drilling (HDD) Method	Yes, HDD method allowed as per submitted methodology at specific locations as per available ROW statement & attached drawings, further compliance by BRPL as per MoRTH/IRC guidelines and NHAI instructions for such site requirement	
2.4.3	Laying of Iron Ore Slurry pipeline through CD works and method of laying	At all CD work locations HDD method will be adopted	



Team Leader  
SA Infrastructure Consultants Pvt. Ltd.  
In Association with DN Consultant

*Sak*  
Site Engineer  
NHAI, PIU - Keonjhar

*Ry*  
D.M.(Tech.)  
NHAI-PIU, Keonjhar

For.Brahmani River Pellets Ltd.

*Jy*  
(Authorised Signatory)

	(a) On approaches , the water mains/cables shall be carried along a line as close to the edge of the right-of-way as possible up to a distance of 30 m from the bridge and subject to all other stipulations contained in this Ministry's guidelines issued with letter No. H1/P/66/76 dated 19.11.1976.	Yes, agreed to comply	
3	Draft License Agreement signed by two witnesses	Yes, submitted	
4	Performance Bank Guarantee in favour of NHAI has to be obtained @ Rs.50/- per running meter (parallel to NH) and Rs. 1,00,000/- per crossing of NH , for a period of one year initially (extendable if required till satisfactory completion of work) as a security for ensuring/making good the excavated trench for laying the cables/ducts by proper filling and compaction ,clearing debris/loose earth produced due to excavation of trenching at least 50 m away from the edge of the right of way . No payment shall be payable by the NHAI to the license for clearing debris/loose earth.	Yes, agreed for submission of Performance BG as per latest MoRTH / NHAI guidelines when asked by NHAI	
4.1	Performance BG as per above is to be obtained	Yes, agreed for submission when intimated by NHAI	
4.2	Confirmation of BG has been obtained as per NHAI guidelines	Yes, will be obtained after submission of BG	
5	Affidavit/Undertaking from the applicant for	yes, agreed & submitted	
5.1	Not to damage to other utility, if damaged then to pay the losses either to NHAI or to the concerned agency	Yes, agreed to comply & submitted undertaking	
5.2	Renewal of Bank Guarantee	Yes, agreed to comply & submitted undertaking	
5.3	Confirming all standard condition of NHAI's guideline	Yes, agreed to comply & submitted undertaking	
5.4	Shifting of Iron Ore Slurry pipeline as and when required by NHAI at our own cost	Yes, agreed to comply & submitted undertaking	
5.5	Shifting due to 6 lanning/widening of NH	Yes, agreed to comply & submitted undertaking	
5.6	Indemnity against all damages and claims clause (24)	Yes, agreed to comply & submitted undertaking	
5.7	Traffic movement during laying of Iron ore slurry pipeline to be managed by the applicant	Yes, agreed to comply & submitted undertaking	



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Site Engineer  
NHAI, PIU - Keonjhar.

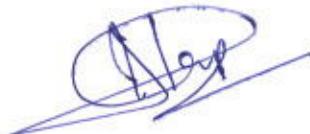
D.M.(Tech.)  
NHAI-PIU, Keonjhar

Page 10 of 11

For. Brahmani River Pellets Ltd.  
(Authorised Signatory)

PROJECT DIRECTOR  
Project Implementation Unit  
National Highways Authority of India

5.8	If any claim is raised by the concessionaire then the same has to be paid by the applicant	Yes, agreed to comply & submitted undertaking	
5.9	Prior approval of the NHAI shall be obtained before undertaking any work of installation, shifting or repairs, or alterations to the showing Iron Ore Slurry pipeline located in the National Highway right-of-way	Yes, agreed to comply & submitted undertaking	
5.10	Expenditure if any ,incurred by NHAI for repairing any damage caused to the National Highway by the laying ,maintenance or shifting of the Iron ore slurry pipeline will be done by the agency owning the line	Yes, agreed to comply & submitted undertaking	
5.11	If the NHAI considers it necessary in future to move the utility line for any work of improvement or repairs to the road ,it will be carried out as desired by the NHAI at the cost of the agency owning the utility line within a reasonable time (not exceeding 60 days) of the intimation given.	Yes, agreed to comply & submitted undertaking	
5.12	Certificate from the applicant in the following format (1) Laying of Iron ore slurry pipelines will not have any deleterious effects on any of the bridge components and roadway safety for traffic (2) for 6 lanning "we do undertake that I will relocate service road/approach road/utilities at my own cost notwithstanding the permission granted within such time as will be stipulated by NHAI for future six-lanning or any other development"	Yes, agreed to comply & submitted undertaking	
6	Who will sign the agreement on behalf of Iron Ore Slurry pipelines agency	Mr. Basudev Dash Authorised Signatory as appointed by BRAHMANI RIVER PELLETS LTD. and Power of Attorney attached M/s BRAHMANI RIVER PELLETS LTD. 4th Floor, IPICOL House, Janapath, Bhubaneswar, Odisha	
7	Certificate from the project director	Attached	



Team Leader  
SA Infrastructure Consultants Pvt. Ltd.  
In Association with DN Consultant

*Site Engineer*  
NHAI, PIU - Keonjhar  
By  
D.M.(Tech.)  
NHAI-PIU, Keonjhar

For Brahmani River Pellets Ltd.

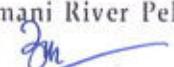
*Basudev Dash*  
(Authorised Signatory)

7.1	Certificate for confirming of all standard condition issued vide Ministry Circular No. NH-41(58)/(68) dated 31.1.1969, Ministry Circular No. NH-3/P/66/76 dated 18/19.11.1976 , Ministry Circular No. RW/NH-3/P/66/76 dated 11.5.1982 , Ministry Circular No. RW/NH-11037/1/86-DOI (2) dated 28.7.1993, Ministry Circular No. RW/NH-11037/1/86-DOI dated 19.1.1995, Ministry Circular No. RW/NH-34066/2/95/S&R dated 25.10.1999 and Ministry Circular No. RW/NH-34066/7/2003 S&R(B) dated 17.9.2003	Yes, Attached	
7.2	Certificate from PD in the following format (1)"It is certified that any other location of the Iron Ore Slurry pipelines would be extremely difficult and unreasonable costly and the installation of Iron Ore Slurry within ROW will not adversely affect the design, stability & traffic safety of the highway nor the likely future improvement such as widening of the carriageway ,easing of curve etc. " (2) for six-lanning (a) where feasibility is available " I do certify that there will be no hindrance to proposed six lanning based on the feasibility report considering proposed structures at the said location " (b) in case feasibility report is not available" I do certify that sufficient ROW is available at site for accommodating proposed six-lanning.	Attached	

  
Team Leader  
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In Association with DN Consultant.

  
Site Engineer  
NHAI, PIU - Keonjhar.

  
D.M. (Tech.)  
NHAI-PIU, Keonjhar

for Brahmani River Pellets Ltd.  
  
(Authorised Signatory)

  
PROJECT DIRECTOR  
Project Implementation Unit  
National Highways Authority of India  
KEONJHAR

8	If NH section proposed to be taken up by NHAI on BOT basis- a clause is to be inserted in the agreement ." The permitted Highway on which Licensee has been granted the right to lay cable/duct/lay Iron Ore Slurry pipeline has also been granted as a right of way to the concessionaire under the concession agreement may likely to be handed over to the concessionaire for up-gradation of.....[section from Km.....of NH No.....on build ,Operate and Transfer Basis ] and therefore , the licensee shall honour the same. "	Not applicable	
9	who will supervise the work of laying Iron Ore Slurry pipeline	M/s BRAHMANI RIVER PELLETS LTD. 4th Floor, IPICOL House, Janapath, Bhubaneswar, Odisha E-mail Id- basudev.dash@brplind.com Mob- 9937290896	
10	Who will ensure that the defects in road portion after laying of Iron Ore Slurry pipeline are corrected and if not corrected then what action will be taken.	M/s BRAHMANI RIVER PELLETS LTD. 4th Floor, IPICOL House, Janapath, Bhubaneswar, Odisha E-mail Id- basudev.dash@brplind.com Mob- 9937290896	
11	Who will pay the claims for damages done/disruption in working of concessionaire if asked by the concessionaire.	M/s BRAHMANI RIVER PELLETS LTD. 4th Floor, IPICOL House, Janapath, Bhubaneswar, Odisha E-mail Id- basudev.dash@brplind.com Mob- 9937290896	
12	A certificate from PD that he will enter the proposed permission in the register of records of the permissions in the prescribed proforma (copy enclosed).	Yes, attached	
13	If any previous approval is accorded for laying of underground Iron Ore Slurry pipeline then photocopy of register of records of permissions accorded as maintained by PD then copy be enclosed	Yes, enclosed	



Team Leader  
SA Infrastructure Consultants Pvt. Ltd.  
In Association with DN Consultants

Site Engineer  
NHAI, PIU - Keonjhar.

By  
D.M.(Tech.)  
NHAI-PIU, Keonjhar

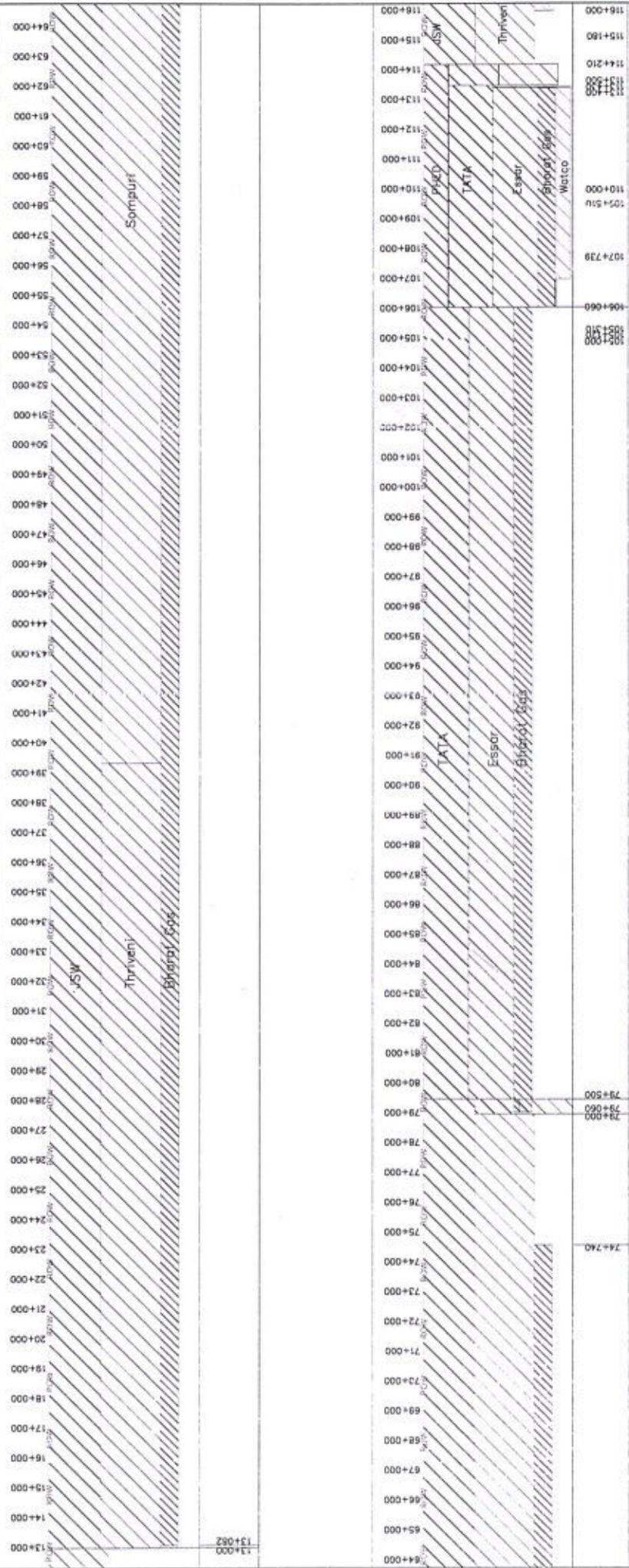
For Brahmani River Pellets Ltd.  
(Authorised Signatory)

PROJECT DIRECTOR  
Project Implementation Unit  
National Highways Authority of India  
KEONJHAR

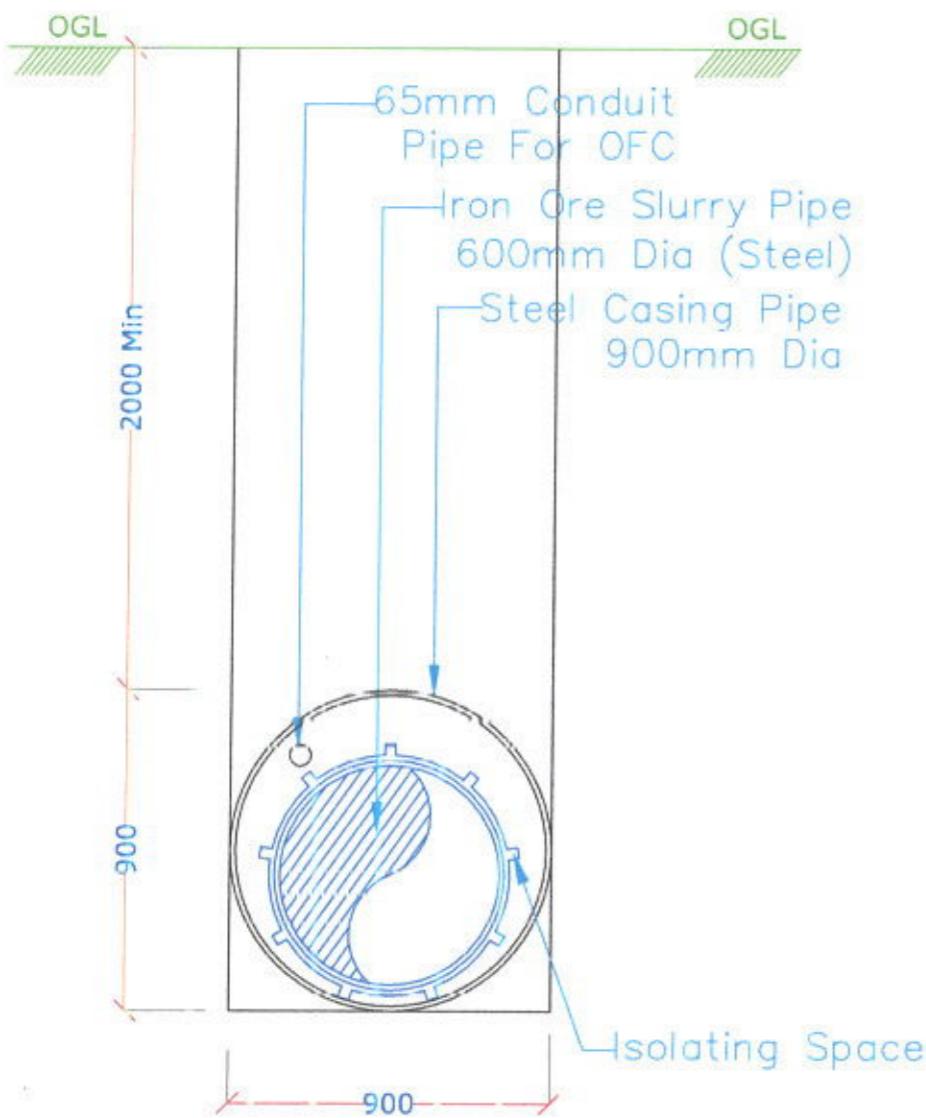
## JAJPUR

FINAL APPROVED UTILITY BY NHAI		
Approved Utility	Width	Colour Code
Essar Oil	1.200	
RWSS	Varies	
PHED	0.800	
Thirveni	2.000	
Sompuri	2.000	
JSW	1.700	
TATA	1.500	
Essar	1.520	
BRPL	0.650	
Bharat Gas	0.600	
Watco	0.500	

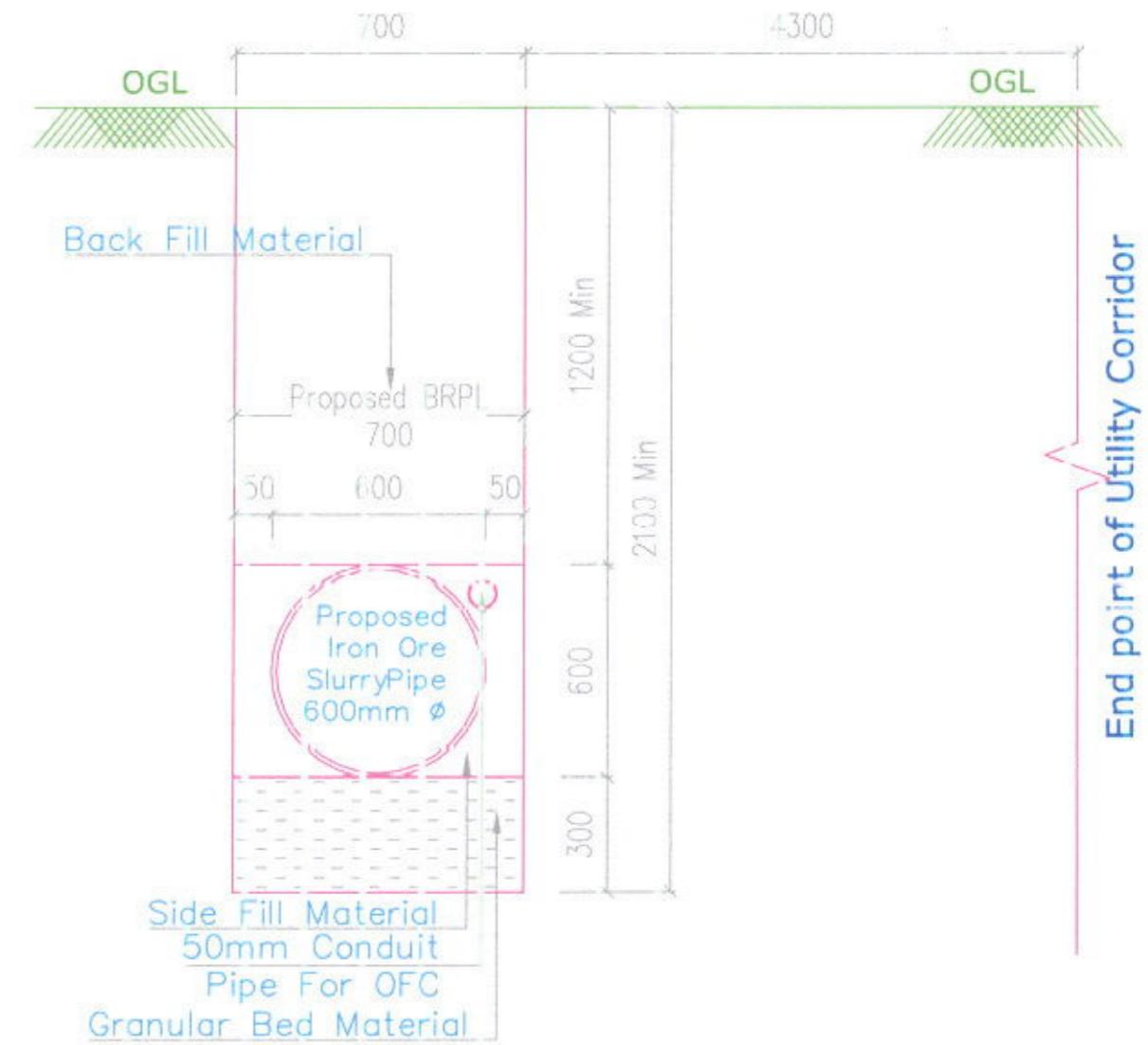
RIMULI



PROJECT : <b>SA Infrastructure Consultants Pvt. Ltd.</b>		CLIENT : <b>For Brahmani River Pellets Ltd.</b>	
 <b>Team Leader</b>		 <b>Authorised Signatory</b>	
<b>SA Infrastructure Consultants Pvt. Ltd.</b> <b>In Association with DN Consultant.</b>		<b>DESIGN CONSULTANT :</b> <b>BS CONSULTANCY SERVICES</b> 163 A, MAHENDRA ROAD P.O.-DHAU, BURAR KOLKATA-700111, WEST BENGAL TEL: 033-24121212 FAX: 033-24121212 E-mail: <a href="mailto:bscs@vsnl.net.in">bscs@vsnl.net.in</a>	
<b>DESIGN CONSULTANT :</b> <b>BS CONSULTANCY SERVICES</b> 163 A, MAHENDRA ROAD P.O.-DHAU, BURAR KOLKATA-700111, WEST BENGAL TEL: 033-24121212 FAX: 033-24121212 E-mail: <a href="mailto:bscs@vsnl.net.in">bscs@vsnl.net.in</a>		<b>TITLE :</b> <b>PROPOSED PIPELINE ALIGNMENT</b> <b>LINE DIAGRAM</b>	



## TCS SHOWING THE CASING PIPE CROSSING OF ROAD WITH HDD



## TYPICAL CROSS SECTION SHOWING SIZE OF TRENCH FOR OPEN TRENCHING

Not

Team Leader  
SA Infrastructure Consultants Pvt. Ltd  
In Association with DN Consultant.

Brahmani River Pellets Limited

**Authorized Signator**

Site Engineer  
NHAI, PIU - Keonjhar

R  
D.M.(Tech.)  
I-PIU, Keonjhar  
PROJECT DIRECTOR  
Project Implementation Unit  
of Highways Authority of India  
KEONJHAR

**TYPICAL CROSS SECTION  
FOR OPEN TRENCH AND ROAD CROSSING BY**

FOR OPEN TRENCHING AND SHORING BY										SD
<b>HDD METHOD</b>										
DRAWING NO :										
N H 5 2 0 - T C S - R O W - T C S - 0 1										
SCALE: 100m 50m 25m 12.5m 6.25m										

**NOTES:**

OWNER :  NATIONAL HIGHWAYS AUTHORITY OF INDIA

CLIENT :  
**Brahmani River Pellets Ltd**  
4th Floor, IPICOL House  
Janpath, Bhubaneswar – 751022  
ODISHA

BRPL

DESIGN CONSULTANT :  
**BS CONSULTANCY SERVICE**  
163 A, MANIKDANGA ROAD  
P.O.-GHOLA BAZAR  
KOLKATA-700111,  
WEST BENGAL

DESIGNED  
DRAWN  
CHECKED  
APPROVED

		TYPICAL CROSS SECTION FOR OPEN TRENCH AND ROAD CROSSING BY HDD METHOD							REV. 0
									SIZE A3
		DRAWING NO. : N H 5 2 0 - T C S - R O W - T C S - 0 1							
SCALE: 1:50	DATE: 2023-05-24							PAGES: 01 OF 01	



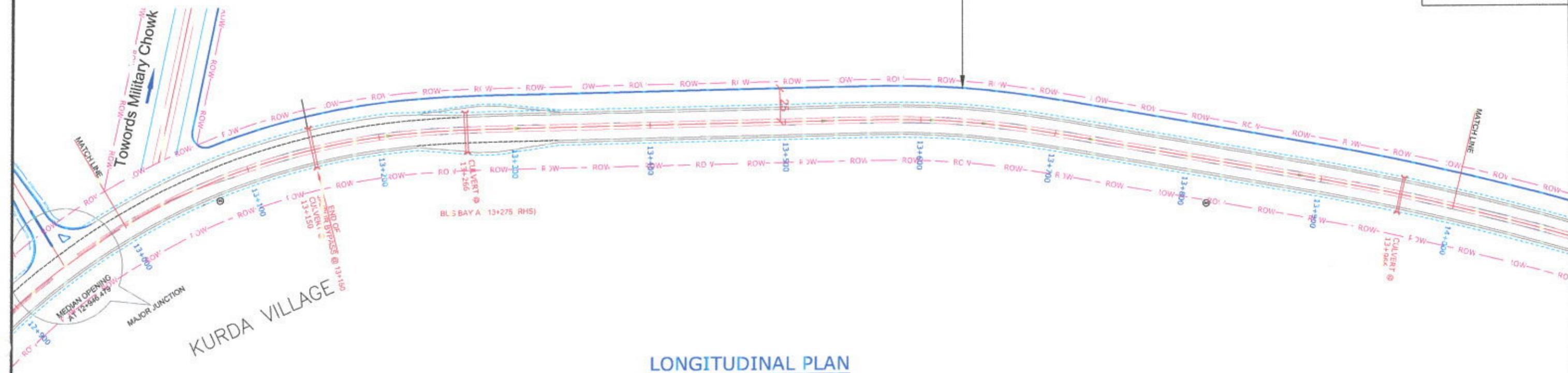
JAJPUR

## STRIP PLAN

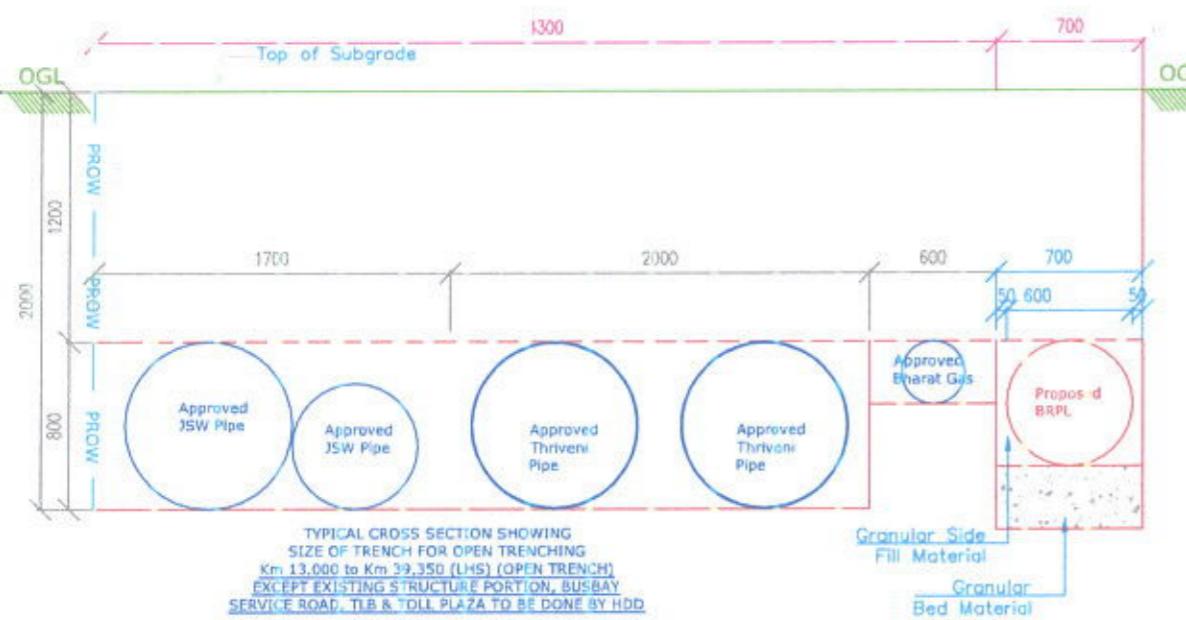
CH 13+000 TO CH 14+000

KEONJHAR

SHEET 01 OF 116



## LONGITUDINAL PLAN



  
Team Leader  
SA Infrastructure Consultants Pvt. Ltd.  
In Association with DN Consultant.

Brahmani River Pellets Limited

  
Authorized Signatory

  
Site Engineer  
NHAI, PIU - Keonjhar.

  
D.M. (Tech.)  
NHAI-PIU, Keonjhar

## LEGEND:

	Bridge
	PUP
	AUP
	VUP
	ROB
	Flyover
	Railway Track
	ROW Pillar
	Culvert
	Drain
	Tee Wall
	NHAI ROW
	Proposed Iron Ore Slurry Pipe Line

NOTES:  
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

OWNER :  NATIONAL HIGHWAYS AUTHORITY OF INDIA

PROJECT :  
PROPOSED SLURRY PIPE LINE FROM JAJPUR TO TANTO  
FOR BRAHMANI RIVER PELLETS LTD

CLIENT :  
Brahmani River Pellets Ltd

4th Floor, IPICOL House  
Janpath, Bhubaneswar - 751022  
ODISHA



DESIGN CONSULTANT :  
BS CONSULTANCY SERVICES

163 A, MANIKDANGA ROAD  
P.O.-GHOLA BAZAR  
KOLKATA-700111,  
WEST BENGAL  
APR-2020

TITLE : PROPOSED PIPELINE ALIGNMENT  
AS PER NHAI  
FROM JAJPUR TO KEONJHAR

REV. 0  
size A3

DRAWING NO :  
N H - 2 0 - R D - B R P L - S P - 0 1  
SCALE : 1:2000  
DATE : APR-2020

0 05.05.2020 ISSUED FOR IE/NHAI REVIEW  
REV. DATE DESCRIPTION DESIGNED DRAWN CHECKED APPROVED

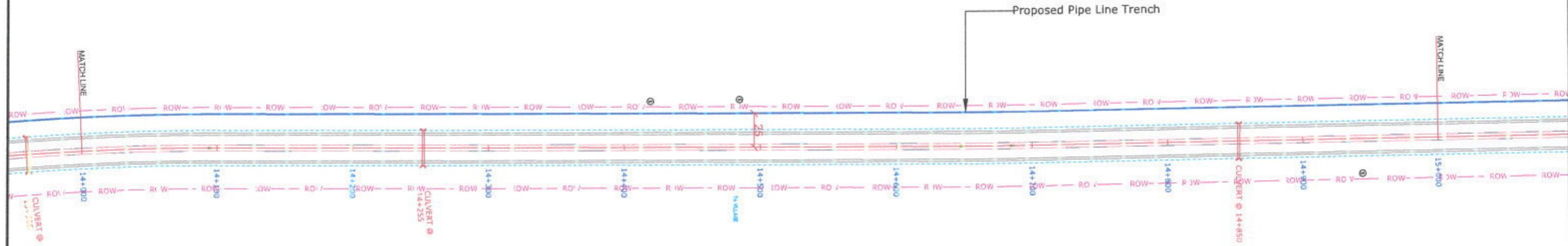


← JAJPUR

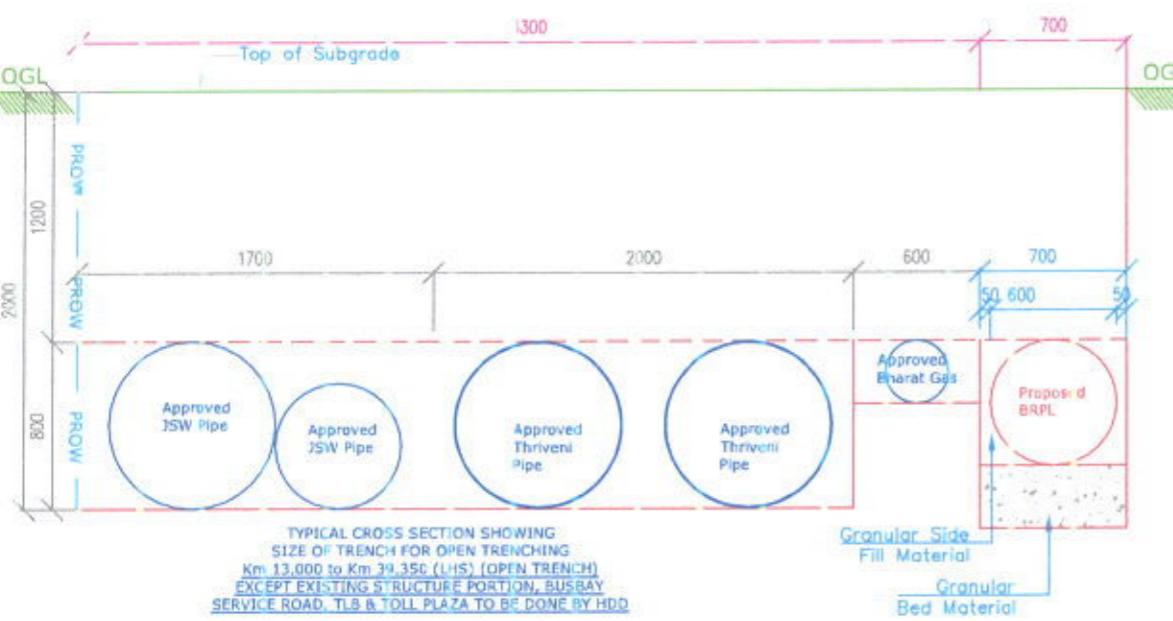
STRIP PLAN  
CH 14+000 TO CH 15+000

KEONJHAR →

SHEET 02 OF 116



LONGITUDINAL PLAN



Brahmani River Pellets Limited

  
Authorized Signatory

  
Team Leader  
SA Infrastructure Consultants Pvt. Ltd.  
In Association with DN Consultant.

LEGEND:

	Bridge
	PUP
	AUP
	VUP
	ROB
	Flyover
	Railway Track
	ROW Pillar
	Culvert
	Drain
	Tee-Wall
	NHAI ROW
	Proposed Iron Ore Slurry Pipe Line

NOTES:  
1. ALL DIMENSIONS ARE IN METERS UNLESS OTHERWISE SPECIFIED.

OWNER :  NATIONAL HIGHWAYS AUTHORITY OF INDIA

CLIENT :

Brahmani River Pellets Ltd  
4th Floor, IPICOL House  
Janpath, Bhubaneswar - 751022  
ODISHA

PROJECT :  
PROPOSED SLURRY PIPE LINE FROM JAJPUR TO TANTO  
FOR BRAHMANI RIVER PELLETS LTD

 BRPL

DESIGN CONSULTANT :  
BS CONSULTANCY SERVICES  
163 A, MANIKDANGA ROAD  
P.O.-GHOLA BAZAR  
KOLKATA-700111,  
WEST BENGAL

JOB No. :  
DESIGNED \_\_\_\_\_  
DRAWN \_\_\_\_\_  
CHECKED \_\_\_\_\_  
APPROVED \_\_\_\_\_  
DATE : APR-2020  
SCALE : 1:2000

TITLE : PROPOSED PIPELINE ALIGNMENT  
AS PER NHAI  
FROM JAJPUR TO KEONJHAR  
REV. 0  
SHEET A3  
DRAWING NO :  
N H - 2 0 - R D - B R P L - S P - 0 2  
SCALE : 1:2000  
30m 20m 10m 9m 16m 26m 32m

0 05.05.2020 ISSUED FOR IE/NHAI REVIEW

REV. DATE DESCRIPTION DESIGNED DRAWN CHECKED APPROVED

