

Company Profile

ODRA ASSOCIATES Pvt. Ltd. Bhubaneswar



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MESSAGE FROM CMD



It gives me great pleasure to introduce one of the industry's forerunners in infrastructure consultancy. It has been more than four years since our company entered the Consultancy business. Through these years, we have designed and developed services and solutions that are innovative, sustainable, and cost-effective. With a successful track record of timely completion of projects in complex and challenging environments, our group excels at providing reliable and sustainable solutions that meet the unique needs of each country and scale along with its growth.

Shakti Prasad Mohapatra

Chairman cum Managing Director

OUR DIRECTORS



Sairanjan Panda

Director (Project)



Samiran Haldar

Director (Survey & Accounts)

Equipped with young, dedicated, enthusiastic and extremely talented employees, we have been able to successfully complete various projects under difficult circumstances, in different environments and challenging situations to the complete satisfaction of our clients.

ABOUT US



ODRA Associates Pvt Ltd. An ISO 9001:2015 accredited multi-disciplinary Engineering Consultancy and infrastructure company established in 2019. ODRA provides integrated state-of-the-art technical assistance and engineering consultancy solutions for the infrastructure development of Railways, Highways including water resources and hydropower.

ODRA have highly qualified and experienced professionals blending real time, digital and human capabilities to provide innovative, reliable and efficient solutions to clients.

Our services include Pre-feasibility and Feasibility studies, Detailed Engineering and design studies, Preparation of Detailed Project Report (DPR), Pre-Tender/Pre-bid services, Project Management Consultancy (PMC), contract Administration & Construction Management including O&M.

Field surveys, Structural design, Traffic surveys, Forest Diversion, Geotechnical investigations are ODRA's other areas of expertise.



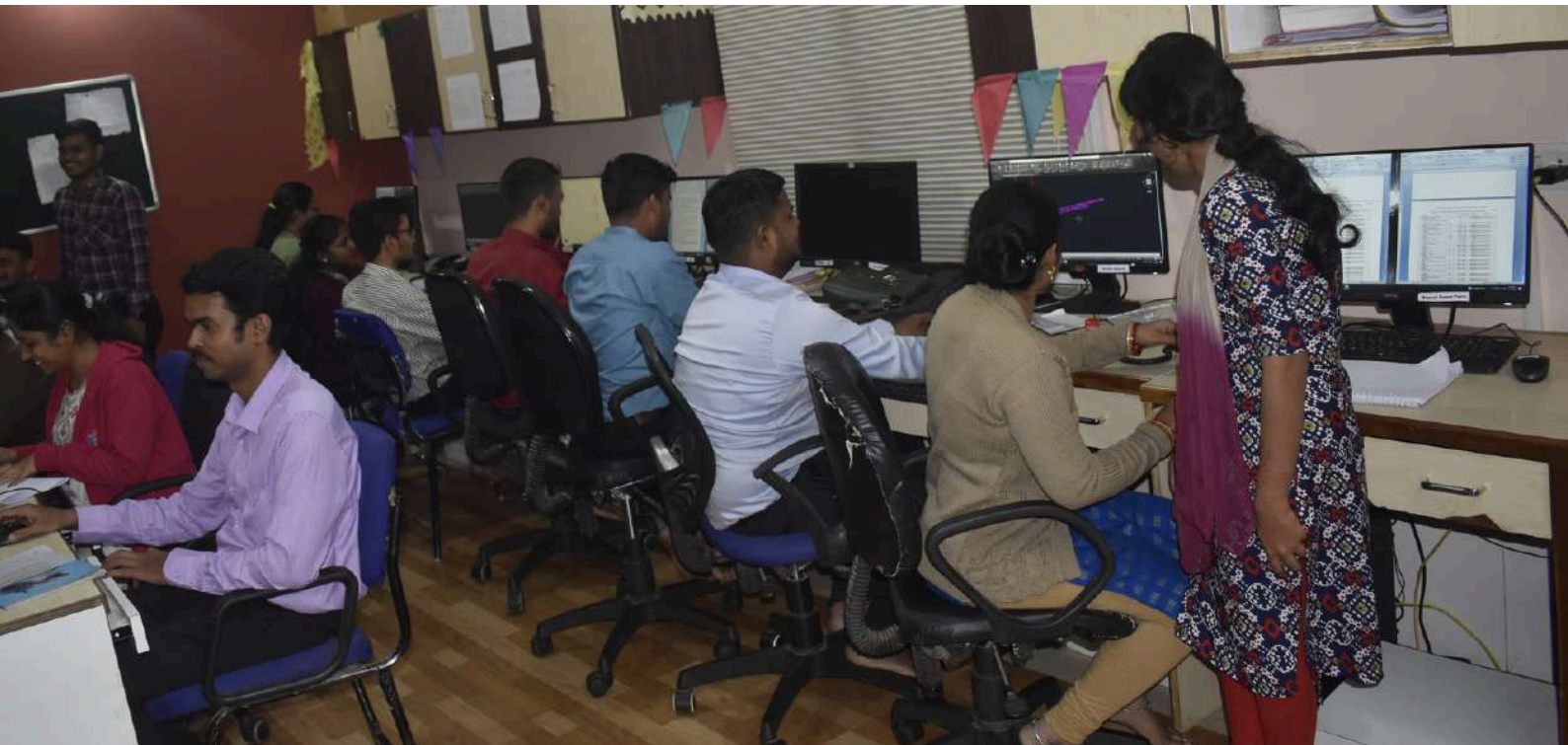
MISSION & VISION

Mission :

Our Mission is to provide appropriate services in consultancy services from field investigation stage to project completion stage.

Vision :

Our Vision is to deliver exceptional infrastructure consulting services for communities around the nation and maintain long-term relationships with our clients by giving them the best value for their investment. We are committed to delivering engineering excellence and ensuring customer satisfaction by providing optimal value engineering and trustworthy solutions.



MEET THE TEAM



Dillip Kumar Mishra

Senior consultant



Anirudha Sahu

Director (Non Executive)



Krushna Chandra Sahoo

DGM (FD)



Harsh Vardhan Mishra

Senior Manager (Highway)



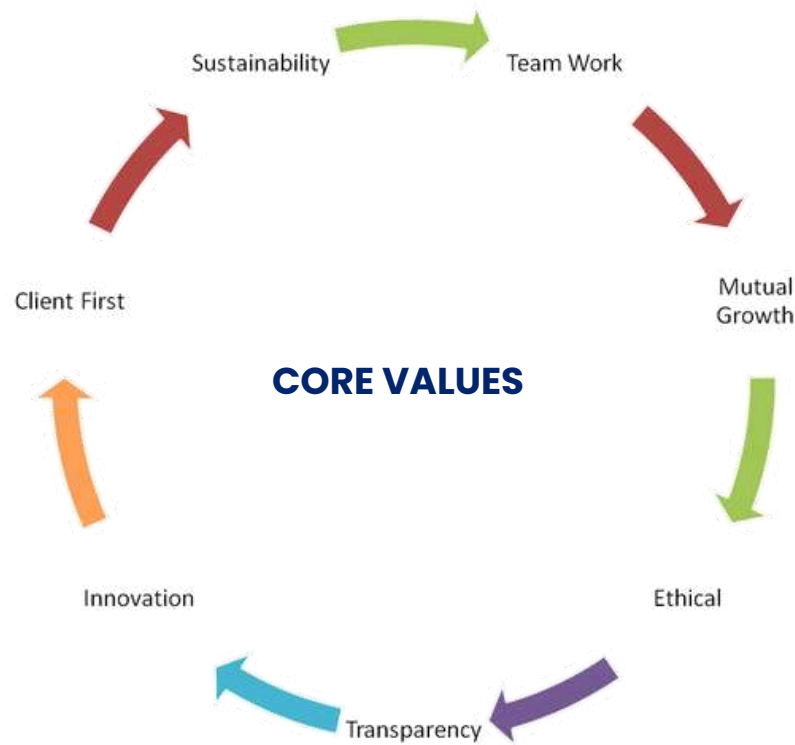
DGM (HR | BD)

KEY PERSONNEL

Name	Designation	Experience
Mr. S.P Mohapatra	Chairman cum Managing Director	Mr. SP Mohapatra is having 12 years rich experience in Railway infrastructure Planning, designing, construction and rehabilitation of Railway track, bridges, building, water supply and roads. Has in depth experience in Tendering and contract management in National and International projects.
Mr. Sairanjan Panda	Director	Mr. Sairanjan Panda is having 19 years renowned experience in the field of construction of Railway infrastructure in Private and Government sector. Mr Panda executed various railway projects in and around Odisha and Chhattisgarh States of India.
Mr. Samiran Haldar	Director	Mr. Samiran Haldar is having 16 years of extensive experience in field investigations like Topographic surveys both terrestrial and aerial modes, Geotechnical investigations etc., worked as senior professional in various MNCs.
Mr. Anirudha Sahu	Non Executive Director (Railways)	Mr. Anirudha Sahu, Ex. Chief Engineer of East Coast Railways having elegant experience of 35 years in the field of Railway Engineering dealt with various railway infrastructure projects from concept to commissioning in Indian railways. Having expertise in Planning to Execution of Railway projects in adhering to the Railway Board guidelines.
Mr. D.K Mishra	Senior Consultant (Railways)	Mr. D.K Mishra, a retired Railway traffic officer having 34 years of handfull experience in the traffic planning, traffic surveys, operational modelling, Railway operations and guidelines. Also conversant with Private railway siding proposals and their Operations

Name	Designation	Experience
Mr. SN Mohapatra	Associate-Vice President (Highways)	Mr. SN Mohapatra has been in private sector and having a fabulous experience of 18 years in the field of Railway as well as Highway infrastructure projects. Served in various MNCs and consultancy groups located in India. He has vast experience in Highway sector and dealt with several projects from planning stage to execution stage.
Mr. N.K Rout	Senior Consultant (FD)	Mr N.K Rout having 31 years experience worked in the Forest Department of Govt. of Odisha at various levels. Also worked in Bolangir East Division, Sambalpur circle and Angul Circle with special emphasis on conservation and protection of forests & Wildlife. Also worked in annual action plans for management of wildlife in Satkosia wildlife Sanctuary.
Mr. K.C Sahoo	Dy. GM (FD)	Mr K.C Sahoo, has been in private sector and having a remarkable experience of 12 years in the field of Forest Diversion works. Served in various MNCs and consultancy groups located in India. He has vast experience and well acquainted with Forest Department diversion works and obtaining approvals from MoEF as necessitated for the project development.

CORE VALUES



Team Work :

Teamwork is one of our core values and we are committed to collaborating with colleagues and clients alike.

Mutual Growth :

In our pursuit of growth, we endeavor to grow along with our clients and also provide adequate opportunities for our employees to grow along with us as well.

Ethical :

The company encourages its employees to conduct themselves in a manner that exhibits the highest level of integrity and ethics, while working with both internal and external stakeholders.

Transparency :

Our staff is encouraged to be genuine and transparent in their actions and communication related to all aspects of our operations, thus providing a trusted and safe environment for our clients to work in.

Innovation :

Every day, we commit to improving our business practices, processes, products, and services so that we can get better and better.

Client First :

It is our priority to put the interests of our clients before our own. Providing the best possible solutions to our clients is what we strive to do every day.

Sustainability :

The sustainable business practices we follow make sure that we are maximizing the utilization of resources without compromising on the quality of the products and services we provide.

OUR EXPERTISE

Surveying :

ODRA provide extensive field surveys (Terrestrial and Aerial) for all infrastructure projects in Highways, Railways and other Civil engineering areas with their own sophisticated latest instruments like DGPS, UAV Drone, Total Stations etc., We are capable of

- Reconnaissance Surveys
- DGPS PPK & RTK Survey.
- Drone Survey (UAV)
- Contour Surveys.
- Cadastral Surveys.

Railway Engineering :

ODRA take up various consultancy services in Railway sector from concept to commissioning of Private Railway Connectivity or with Indian Railways and SPVs. Our services cover:

- RETS & PETS.
- Feasibility Studies Report (FSR).
- Detailed Project Report (DPR).
- Detailed Engineering.
- Tendering Assistance
- Project Management Consultancy (PMC)

Highway Engineering :

ODRA provide consultancy services in Roads wing for highways including expressways, viaducts and tunnels from concept to detailed design, construction supervision, operation and maintenance etc., . Our services cover:

- Feasibility Studies Report (FSR).
- Detailed Project Report (DPR).
- Project Management Service (PMS)

•Traffic survey services:

- Classified Traffic Volume Count (CTVC).
- On Street and Off-Street Parking Survey.
- Intersection and Road Junction Survey.
- Axle Load Survey.
- Origin – Destination Survey.
- Speed and Delay Survey.
- Road Inventory Survey.
- Pavement Condition Survey.

Forest Diversion :

ODRA professional forest management expertise helps in meeting the regulatory requirements of the projects involving diversion of forest land, confirming to the guidelines issued by the Ministry of Environment, Forest and Climate Change (MoEF & CC) under Forest (Conservation) Act,1980. Our services will cover

- ORSAC certification for Land Diversion Proposal.
- CA Land Approval
- Clearance of Stage-I
- Clearance of Stage-II

Wildlife Conservation Works :

Sustainable land use practices, public education and awareness, tree planting, recycling, and wild life habitat creation are all examples of techniques protecting the natural environment.

Wildlife Conservation Plan (WCP/WLCP) or Wildlife Management Plan are required for Bio diversity Management and wildlife protection in and near a project area. The plan's main objective is to provide a relatively stress-free habitat for wildlife in the impact area and meet the basic needs of resident wildlife.

Irrigation :

We provide design and construction supervision services in the execution of large irrigation and hydropower projects involving the construction of canals, barrages, pipelines and associated structures.

Bridge Engineering :

Design of Bridges forms an important part of our services. Our exclusiveness lies in the fact that we have in house capabilities of carrying out all the services related to bridge design such as Soil Investigation, Survey, Design of Super Structures, Foundation Engineering etc.

Geo-technical Investigation :

We plan the structure and subsequent designs and implement on sound investigation of founding strata. During the construction we assure quality of materials, execution & post construction maintenance. There are sufficient experienced personnel for supervising tests, data interpretation & analysis.

Project Management Services :

(i) Site Management

- a. Supervise construction activity on an ongoing basis and ensuring the progress of work as per standard specifications and will meet Railways requirements.
- b. Certify measurement of work for progressive payments to contractors.
- c. Preparation of micro schedule, monitoring the project & updating the same on weekly basis & do the gap analysis for any delay in the schedule.

(ii) Inspection & Quality Control

- a. Ensure that the material supplied is as per the Railways standards and specifications, except for items such as cement and steel that can be accepted based on manufacturer's certificate.
- b. Supervise site work on an ongoing basis and ensure that work is carried out as per specifications/ Railways standards.
- c. Prepare detail Quality Assurance Plan & develop the format for recording of all tests & monitoring the same.

(iii) Planning & Control

- a. Define a detailed co-ordination procedure in consultation with Client.
- b. Monitoring and furnishing monthly physical progress of work to Client as per approved proforma.
- c. Review in consultation with Client site-in-charge, the actual progress of the project updates and the projections on a monthly basis.
- d. Tracking the status of all bought out items required for the construction of new Railways system.

(iv) Co-ordination with Railways

- a. Advice to Client about the procedures and payments required to be made to Railways towards approval of plans and estimates and final inspection and testing before commissioning of the siding. (Payments will be made directly by Client to the Railways).
- b. To interact with Sr. DEN (Co-ord.)/CTPM/CCM and other Railways authorities on monthly basis to review progress of execution of siding project.
- c. Make all necessary arrangements with the Railways for testing of the siding with suitable locomotives and trailing loads, and obtain a fitness certificate from the Railways as proof of satisfactory completion of work.

EMPANELMENTS & CLIENTELE



Certificate

This is to certify that

ODRA ASSOCIATES PRIVATE LIMITED

4th Floor, NSIC-IMDC Building, Dharmapada Bhawan, Plot No.-6,
Block -D, Mancheswar Industrial Estate, Bhubaneswar-751010, Odisha,
India

has been found in Compliance with requirements of

Quality Management System

ISO 9001:2015

for the following scope:

**Providing Project Management Consulting Services and
O&M (Operation & Maintenance) for The Projects Such
As Railway, Road, Building & Other Civil Works.**

Certificate No. : 9184/QMS/0222

Issue Date : 19-February-2022

Expiry Date : 18-February-2025

To check this certificate status visit:

"<http://uasl.uk.com/certifiedorganization.html>"

Authorised Signature

International Accurate Certification

60 Mill Mead Business Centre,
Mill Mead Road, London N17 9QU, United Kingdom
www.iacert.com & info@iacert.com



This certificate remains the property of International Accurate Certification (IAC)
to whom it must be returned on request. IAC accredited by UASL (England) UK



EAST COAST RAILWAY

Speed Post

Office of the
Principal Chief Engineer
Rail Sadan, Chandrasekharpur
Bhubaneswar-751017
Date: 24.07.2023

No. W6/PS10/OAPL/

To

M/s Odra Associates Pvt. Ltd,

Room No: 403(A), Fourth Floor, NSIC-IMDC Building,

Dharmapada Bhawan, Plot No-6, Block -D, Mancheswar, Bhubaneswar-751010

Sub: Registration as Approved Consultant for private siding works in East Coast Railway based on registration in East Central Railway.

Ref: Your letter no. ODRA/ECOR/Railway Registration/2023-24/005 dated 07.06.2023

With reference to your letter cited above, approval of competent authority is hereby communicated for registration of your firm as Approved Consultant for private siding works in East Coast Railway based on registration in East Central Railway.

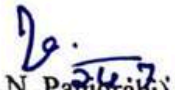
The period of approval granted is valid from **21.07.2023 to 22.05.2026**.

The conditions stipulated by the Railway Board's letter 83/WI/SP/12(Pt) dated 22.03.1993, 07.06.1994, 05.08.1994, letter no.96/CE/SP/12 (Pt.) dated 20.04.2007, letter No. 2012/CE-I/SP/4 dated 03.09.2012 or any other letter issued by the Railway Board thereafter on the subject shall be binding.

Approval granted shall be on the condition that it may be withdrawn at any time, if the performance is found to be unsatisfactory. Your yearly performance report shall be initiated and kept alive for the period.

Every change in constitution of the firm furnished with the application letter, such as, change in partners, technical employees, Engineers etc. should be intimated to this office. Every year, you shall have to submit, with proof (Performance Certificate to be given from the Party for whom worked/Railway Authority under whom worked regarding satisfactory execution of work) details of works carried out by you, participation of your firm in such works and continuation of service of retired IRSE officer not less than SAG rank in your firm.

After the lapse of original currency of three years i.e. beyond **22.05.2026**, no re-registration would be allowed but an ab-initio fresh registration by following the due procedure viz. scrutiny by a SAG committee etc. has to be followed vide Railway Board's letter dated 20.04.2007.


(L.N. Panigrahi)
Dy. Chief Engineer/General
For Chief General Engineer

Copy to: FA & CAO (F&B) & CPTM/BBS for information please.

Sr. DEN (Co)'s KUR, SBP & WAT for information & necessary action.

I/95783/2023



East Central Railway

जीएम (इंजी)
कार्यालय हाजीपुर

By Registered Post

No. ECR-HQ0ENGG(GENL)/150/2022 / 654

dtd: 30.05.2023

M/s Odra Associates Pvt. Ltd.,
4th Floor, NSIC Building,
Dharmapada Bhawan, Mancheswar
Railway Station Road, Block-D, Sector-A
Bhubaneswar-751010

Sub: Registration as approved consultant for survey & construction of private sidings in East Central Railway.

Ref: Your letter no. ODRA/ECR/Railway Registration/2022-23 dt. 15.12.22.

In reference to your above letter, you have been registered as approved consultant for undertaking survey & construction of private sidings in East Central Railway.

The registration entitles you to submit your offer for consultancy for survey & construction of private siding in East Central Railway for which the parties may approach you or invite tenders under the jurisdiction of East Central Railway.

It shall be noted that your registration in the approved list of consultant for survey & construction of private siding in East Central Railway will be valid up to **22.05.2026** and review of this list would be done based on your performance and participation in the tenders invited by various parties/agencies who intend to conduct the survey & construction of private siding. "Any change in constitution of firm as furnished with application should be intimated to this office". Your name will be automatically struck off from the approved list, if you do not tender for any work up to **22.05.2026**. The registration is subject to condition that your performance remains satisfactory.

Whenever a work of survey & construction of private siding is undertaken on the strength of this registration, it may please be ensured that the Director/Executive who has been stated to be a Retired IRSE officer rank not lower than Senior Administrative Grade in your firm is available on full time employment for full duration of the work.

उत्तर पश्चिम रेलवे
NORTH WESTERN RAILWAY

प्रधान कार्यालय,
इंजीनियरिंग विभाग, द्वितीय तल
जवाहर सर्किल के पास
जयपुर 302017
दिनांक: 06.02.24.

No. W-623/1/Reg.Consult/Energia ODRA

M/S ODRA Associates Pvt .Ltd.,
4th floor NSIC Buidling, Dharmapada Bhawan
Manchewar, Railway Station Rd, Block D, Sector A,
Bhubanewar 751010.

Sub: Registration as "Approved Consultant" for providing consultancy services , Construction Management of Siding Works in North Western Railway .

Ref: Your application No. ODRA/NWR/Railway Registration /2023-24/016 dated 07.10.23

Your request for registration in approved list of consultants for survey & construction management of private sidings works has been approved by the competent authority based on your registration with East Central Railway.

The registration will entitle you to submit your offer for Consultancy for, Survey and Construction/ Construction Management of private siding for which the parties may approach you or invite tenders under the jurisdiction of North Western Railway.

It shall be noted that your registration in the approved list of Consultants will be valid from 04.01.2024. to 22.05.2026. and a review of this list would be done based on your performance and participation in the tenders invited by the various parties/ agencies who intend to conduct the Survey and Construction of private siding. Your name will be automatically struck off from the approved list, if you do not tender for any work up to 22.05.2026. The registration is subject to the condition that your performance remains satisfactory in execution of works of survey and construction of private siding as per guidelines of Railway Board as well as North Western Railway. Some important points are enumerated below.

- (1) Whenever a work of survey or construction management of private siding is under taken by the firm on the strength of above registration, on any division of this Railway, it may please be ensured that:
 - (i) The details thereof are intimated to this office. No work is to be commenced without prior permission of Principal Chief Engineer, North Western Railway.
 - (ii) The Director/Executive of the firm, who has been stated to be a member of CEA (India), or IPWE (India) or retired IRSE officer of rank not lower than SA Grade, in your application is on full time employment on full time duration of the assigned work. He should safeguard Railway's interest while preparing the DPR. He should also ensure that there is no violation of rules/regulations which may cause loss to the Railway.


6/2/2024

दक्षिण पूर्व रेलवे

प्रधान मुख्य अभियंता का कार्यालय
गार्डनरीच, कोलकाता-700 043

सं: EST/SID/A.C./ODRA/24/

Date: 05.03.2024

To
The Director,
M/s ODRA Associates Private Limited,
4th Floor NSIC Building,
Dharmapada Bhawan,
Mancheswar Railway Station Road,
Block – D, Sector – A,
Mancheswar Industrial Estate,
Bhubaneswar,
Odisha – 751 010 (INDIA).

Dear Sir,

विषय : **Fresh Registration of M/s ODRA Associates Pvt. Ltd. as an Approved Consultant for undertaking private siding works on South Eastern Railway.**

संदर्भ : Your letter no. ODRA/SER/Railway Registration/2023-24/010 dated 27.06.2023.

Please connect the letter quoted under reference. Fresh registration of your firm as an Approved Consultant for undertaking private siding works on this Railway has been approved by the Competent Authority of this Railway.

The currency of this registration is valid w.e.f. **05.03.2024** to **04.03.2027**. However, this is subject to the condition that performance of your firm will be annually reviewed and this registration may be withdrawn at any time, if the performance of the firm is found to be unsatisfactory, in terms of Railway Board's letter no. 83/W1/SP/12(Pt) dated 22.03.93 and letter no. 2012/CE-I/SP/4 dated 03.09.12.

The conditions stipulated in the Railway Board's letter no. 83/W1/SP/12(Pt) dt.22.03.93 and its amendments shall be binding. If, it is desired to extend the validity beyond **04.03.2027**, your firm will have to apply for renewal of registration as per the procedure laid down by this Railway time to time along with all requisite particulars prescribed in the Standard Application Format of S.E.Railway available in the website : www.ser.indianrailways.gov.in duly filled in all necessary references and signed by the Head of the Organization.

In this respect, you are requested to ensure the following :-

1. Every change in the constitution of your firm, as furnished with your application, such as, change in name & address, change of partners/key personnel, technical employees, authorized signatories etc. is to be intimated to this office in time.


05/3



भारत सरकार
Government of India
सूक्ष्म, लघु एवं मध्यम उद्यम मंत्रालय
Ministry of Micro, Small and Medium Enterprises



Udyam Registration Number : UDYAM-OD-19-0049918

Type of Enterprise	MICRO	Major Activity	Services
Type of Organisation	Private Limited Company	Name of Enterprise	ODRA ASSOCIATES PRIVATE LIMITED
Owner Name	M/S ODRA ASSOCIATES PRIVATE LIMITED	PAN	AADCO0821F
Do you have GSTIN	Yes	Mobile No.	6370908455
Email Id	odraassociates@gmail.com	Social Category	General
Gender	Male	Specially Abled(DIVYANG)	No
Date of Incorporation	12/12/2019	Date of Commencement of Production/Business	12/12/2019

Bank Details

Bank Name	IFS Code	Bank Account Number
AXIS BANK	UTIB0001973	921020054817814

Employment Details

Male	Female	Other	Total
12	6	0	18

Investment in Plant and Machinery OR Equipment (in Rs.)

S.No.	Financial Year	Enterprise Type	Written Down Value (WDV)	Exclusion of cost of Pollution Control, Research & Development and Industrial Safety Devices	Net Investment in Plant and Machinery OR Equipment[(A)-(B)]	Total Turnover (A)	Export Turnover (B)	Net Turnover [(A)-(B)]	Is ITR Filled?	ITR Type
1	2022-23	Micro	3285600.00	0.00	3285600.00	0.00	0.00	0.00	Yes	ITR - 3, 5, 6
2	2021-22	Micro	1109761.00	0.00	1109761.00	6170667.00	0.00	6170667.00	Yes	ITR - 3, 5, 6

Unit(s) Details

SN	Unit Name	Flat	Building	Village/Town	Block	Road	City	Pin	State	District
1	ODRA ASSOCIATES PRIVATE LIMITED	Plot No.-5841	Jayanti Niwas	Chakeisihani	Mancheswar	Near Mangala Mandir	Bhubaneswar	751010	ODISHA	KHORDHA

Official address of Enterprise

Flat/Door/Block No.	Plot No.-5841	Name of Premises/ Building	Jayanti Niwas
Village/Town	Chakeisihani	Block	Mancheswar
Road/Street/Lane	Near Mangala Mandir	City	Bhubaneswar
State	ODISHA	District	KHORDHA, Pin : 751010
Mobile	6370908455	Email:	odraassociates@gmail.com
Latitude	20.315926636829886	Longitude:	85.8537258353683

National Industry Classification Code(S)

S.No.	Nic 2 Digit	Nic 4 Digit	Nic 5 Digit	Activity
1	71 - Architecture and engineering activities; technical testing and analysis	7110 - Architectural and engineering activities and related technical consultancy	71100 - Architectural and engineering activities and related technical consultancy	Services
2	41 - Construction of building	4100 - Construction of buildings	41001 - Construction of buildings carried out on own-account basis or on a fee or contract basis	Manufacturing
3	42 - Civil Engineering	4210 - Construction roads and railways	42101 - Construction and maintenance of motorways, streets, roads, other vehicular and pedestrian ways, highways, bridges, tunnels and subways	Manufacturing
4	42 - Civil Engineering	4210 - Construction roads and railways	42102 - Construction and maintenance of railways and rail-bridges	Manufacturing

Are you interested to get registered on Government e-Market (GeM) Portal	Yes
Are you interested to get registered on TReDS Portals(one or more)	Yes
Are you interested to get registered on National Career Service(NCS) Portal	No
Are you interested to get registered on NSIC B2B Portal	Yes
Are you interested in availing Free .IN Domain and a business email ID	Yes
District Industries Centre	KHORDHA (ODISHA)
MSME-DFO	CUTTACK (ODISHA)
Date of Udyam Registration	15/07/2023
Date of Printing	13/06/2024



ODISHA SPACE APPLICATIONS CENTRE (ORSAC)

Department of Science & Technology, Government of Odisha

No. ORSAC/PROJ/0580/2021/1138 Date: 5.01.2023

To

(As per list attached)

Sub: Extension of validity period of your firm to undertake DGPS/ ETS Survey as per ORSAC defined SOP of Geospatial survey.

Sir,

With reference to the subject cited above, the validity period of your firm to undertake DGPS/ ETS Survey as per ORSAC defined SOP of Geospatial survey is extended up to 31st January 2025. However, you are requested to celebrate your equipments and submit the same with an Annual Performance Report (APR) to this office within December-January every year.

Thanking you.

Yours faithfully,


P. K. TRIPATHY
SR. SCIENTIST &
GROUP HEAD DGPS.

**VALID
UPTO
31.01.2025**

45 M/s ODRA Associate Pvt. Ltd.

4th floor, NSIC Building, Dharmpada Bhawan,
Manchswar Railway Station Road, Block-D,
Mancheswar Industrial Estate, Bhubaneswar-751007, Ph
No.-0674-2952715/9439068176, Email-

CLIENTELE :

INDIAN RAILWAYS :



Registration under process in SECR and SWR.

PSUs and SPVs

Our team members have the distinguished experience and association with different national and international organizations in different sectors.



CORPORATE SECTOR CLIENTELE



Vimla Infrastructure (India) Pvt. Ltd.

ON GOING PROJECTS

RAILWAY PROJECTS

Carrying out Final Location Survey (FLS) for the work “Bolangir Nuapada via Patnagarh (100 km)”

The Bolangir - Nuapada **Final Location Survey (FLS)** work conducting photogrammatic survey using stereo satellite imagery data as obtained from NRSC and processing the same using suitable GIS software for generation of digital elevation model, conducting **Aerial Topographical survey** using DGPS based integrated drone i.e PPK/RTK based drone to capture essential ground features and assets and using mobile / vehicle mounted LiDAR system for proposed new BG line platform. Conducting a drone based aerial survey for the generation of orthophotos as per the railway guidelines. Providing and fixing casting-situ or pre-cast M-25 concrete pillars along the Railway alignments terms of reference and relevant provisions of Indian Railways code for engineering Department.

Conducting hydrological investigation, including detailed calculation for important major/ minor bridges using digital Elevation model. Preparation of yard ESP for all stations on Bentley power rail track. Preparation of land plans for land acquisition after approval of L-section by the Railway. Preparation and submission of **Detailed Project Report (DPR)** along with detailed estimate as per engineer code and as per railway board guideline. Total area work is about 100 kms.

Carrying out Final Location Survey (FLS) for outer corridor of Talcher Coalfield from Tentuloi to Budhapank (106 km)”

The Tentuloi to Budhapank **Final Location Survey (FLS)** work conducting photogrammatic survey using stereo satellite imagery data as obtained from NRSC and processing the same using suitable GIS software for generation of digital elevation model, conducting **Aerial Topographical survey** using DGPS based integrated drone i.e PPK/RTK based drone to capture essential ground features and assets and using mobile/ vehicle mounted LiDAR system for proposed new BG line platform. Conducting a drone based aerial survey for the generation of orthophotos as per the railway guidelines. Providing and fixing casting-situ or pre-cast M-25 concrete pillars along the Railway alignments terms of reference and relevant provisions of Indian Railways code for engineering Department.

Conducting hydrological investigation, including detailed calculation for important major/ minor bridges using digital Elevation model. Preparation of yard ESP for all stations on Bentley power rail track. Preparation of land plans for land acquisition after approval of L-section by the Railway. Preparation and submission of **Detailed Project Report (DPR)** along with detailed estimate as per engineer code and as per railway board guideline. Total area work is about 106 kms.

Conducting Final Location survey and geotechnical investigation between Km 33 to 126 i.e between the proposed new station Tanginiguda (including)- Malkangiri. (Including) of WAT Division, East Coast Railway.”

The Tanginiguda - Malkangiri **Final Location Survey (FLS)** work conducting photogrammatic survey using stereo satellite imagery data as obtained from NRSC and processing the same using suitable GIS software for generation of digital elevation model, conducting **Aerial Topographical survey** using DGPS based integrated drone i.e PPK/RTK based drone to capture essential ground features and assets and using mobile/ vehicle mounted LiDAR system for proposed new BG line platform. Conducting a drone based aerial survey for the generation of orthophotos as per the railway guidelines. Providing and fixing casting-situ or pre-cast M-25 concrete pillars along the Railway alignments terms of reference and relevant provisions of Indian Railways code for engineering Department.

Conducting hydrological investigation, including detailed calculation for important major/ minor bridges using digital Elevation model. Preparation of yard ESP for all stations on Bentley power rail track. Preparation of land plans for land acquisition after approval of L-section by the Railway. Preparation and submission of **Detailed Project Report (DPR)** along with detailed estimate as per engineer code and as per railway board guideline. Total area work is about 93 kms.

Execution of various activities like survey and other facilities with proper approach roads, Geo technical studies, preparation of GAD plans, preparation of land acquisition proposals in connection with Construction of 12 Nos ROB's along with provision of Stair case and LHS/Light FOB in lieu of closing of manned LC No of LC No-326, 329, 330, 334, 341, 345, 348, 351, 353, 354 & 358 over KUR-PSA main line of Khurda Road Division of East Coast Railway.

Conducting photogrammetry survey with hybrid technology UAS (unmanned Aerial System) to capture all essential ground features for picking of existing track alignment along with details of additional features, existing structures and transferring various locations of existing road alignment, existing structures, existing ground level, drains, electrical lines etc.

Preparation and supply of drawings for ROB's/ LHS with general arrangements, new/ extension to BG standards (Based on completion drawing of existing bridges / rough sketches by Rly) Prepared on Auto CAD on 50 micron polythene film with Indian ink with different color.

Preparation and submission of land proposal papers in live copies as per Revenue/ Forest Department's requirements for acquisition of private/ Govt. Land and Diversion of forest land including collection of certified copy of ROR (Record of Rights) from Revenue department including superimposition of proposed alignment on Revenue/ Khasra village map/plans and calculation of area to be acquired.

Other Railway Projects

- Providing Consultancy Services for the Preparation of **Detailed Project Report (DPR) & Detailed Engineering (DE)**, for the Proposed Private Siding of **M/s Rungta Metals Private Limited**. At Rairangpur, District-Mayurbhanj, Odisha, Under South Eastern Railway as per the Policy of Gati Shakti Multi Modal Cargo Terminal (GCT).
- Preparation of **Feasibility report** for establishment of Private Railway Siding (CSPGCL Siding) taking off from CERL Line for Transportation of Coal from GP-III Coal Block by developing a crossing station near Bajarmuda/Milupara, Between Ghargoda- Gare Pelma Section in connection with the Construction of New B.G. Electrified Double/Single Railway Line of **Chhattisgarh Rail Corridor Project (CGRP)**.
- Conducting Detailed topographical field survey, fixing of permanent benchmark Survey, Preparation, Submission, Co-ordination and assistance to **IRCON** during the approval of **ESP, Station yard plans, L- section drawings**, Index Plan & Index Section etc. by East Coast Railway or any other agency as per Indian Railway guideline for the Angul-Balaram-Putagadia-Jarapada-Tentuloi section **MCRL Rail corridor** project under jurisdiction of East Coast Railway at district in the state of Odisha.
- Survey works related to checking of **DGPS Points** and **Tangent points** of Circular Curve in connection with **Y-Curve shifting** work of **M/s MCL Samleswari/ IB-Valley Area Jharsuguda**.
- Preparation and Submission of **GAD** and **Structural drawing** for RE wall (Reinforced Earth wall) with Geo Technical investigation for approach road either side of Bridge No.31 (ROB) in connection with Angul-Sukinda New BG Rail line in state of Odisha, India.
- **Feasibility study, PETS** (Preliminary Engineering and Traffic Survey), **Topographic Survey, Final Location Survey**, preparation of detailed cost Estimate, Conceptual of Preliminary Design and General Arrangement Drawings of structures, alignment design, assessment of land requirement, preparation of **Detailed Project Report (DPR)** and Bill of Quantities in connection with construction of Railway siding beyond Tentuloi (Extending MCRL Railway Corridor) up to Naini Coal Mine.
- Preparation and approval of Completion drawing and agreement plan of **BOT Phase-I** of PPT. Survey for i) Track linking work between the **BOT down line** and the existing siding No 18 & 19 and siding No. 6&7. ii) Improvement on post tripling line including up-gradation to the auto spring point from 90 to 52 KG. iii) Laying of cross over from load line No-2 to load line 1 in the tippler yard iv) Shifting of RRS-5 line adjacent to RRS-4 line near gate-2 at Paradip and preparation of **alternate alignment** and plans for **development of siding**.
- Preparation, Submission, Co-ordination and assistance to **IRCON** during the approval of **ESP, L- section drawings** etc. by Independent Engineer and /or Railway for the Angul-Balaram-Putagadia-Jarapada- Tentuloi section **MCRL Rail corridor** project under jurisdiction of East Cost Railway at district in the state of Odisha.
- Preparation **Feasibility Study** for West Bokaro Chainpur Railway Siding of **M/s Tata Steel Ltd.** to accommodate 3nos. of RLS, Along With Modifications in Tracks for seamless operation of Trains with S.E Railway Network.

- **Detailed land survey** with demarcation of land, verification of KISSAM and other ancillary works for initiating **land acquisition** proposal for construction of **Loading Bulb** at Barpali/ Kuisira and left over patches of Jharsuguda- Barpali- Sardega section doubling.
- **Feasibility study** for Development of siding to handle 10 MTPA volume of coal at **Radhikapur West Mine** taking off from upcoming Putagadia Station of MCRL for **Vedanta Limited**, Jharsuguda.
- Preparation & Alteration, Submission, co-ordination and assistance to IRCON during the approval of **ESP, L-Section drawings** etc. by independent Engineer and/or Railway for the Angul-Balaram-Section MCRL Rail corridor project under jurisdiction of ECoR.
- Conducting **final location survey**, submission of plan & **L-section, ESP, GAD** of Major Bridges/ Minor Bridges/ROB/RUB and **Detailed Estimate** for DPR of West Bokaro siding of **TSL** at Chainpur.
- **Design, drawing** of Major Bridge No.18 (ROB): 2X 30.5 span of composite girder for facilitating MCL's road at CH: 12/650 approx. Construction of Angul- Balaram section of **MCRL Rail corridor** project at Angul district in the state of Odisha.
- Preparation of **Detailed Project Report (DPR)**, obtaining its approval from Railway for the construction of new line/modification of existing rail lines with provisioning of Rapid Loading System (RLS) at Jhingurda railway siding under **Jhingurda area**, NCL.
- Preparation of **Detailed Project Report (DPR)**, obtaining its approval from Railway for the construction of new line/modification of existing rail lines with provisioning of existing wharf at **Giddi-A** Railway Siding under Argada area, CCL.
- Consultancy & Engineering Services for preparation of the **Pre-Feasibility Study Report** for the proposed private siding taking off from Budhapank Station by **M/s GD Multiventures** and **M/s Logistic Solutions** at Angul District under East Coast Railway as per the extant railway Policy of Gati Shakti Multi Modal Cargo Terminal (GCT).
- Providing Consultancy Services for Preparation of the **Pre-Feasibility Study Report** for the proposed private siding of **M/s RCR Steel Works Pvt Ltd.** at Jamda as per the extant Railway Policy of Gati Shakti Multi Modal Cargo Terminal (GCT).
- Preparation of **Detailed Projects Report** for establishment of Private Railway Siding (**CSPGCL Siding**) taking off from CERL Line for Transportation of coal from GP-III Coal Block by developing a crossing station near Bajarmunda/Milupara.
- **Pre-Feasibility Study Report** for the Proposal Siding take off from LIKERA/SARDEGA Railway Station of South Eastern Railway.
- **Feasibility Study** on Development of Dedicated Rail Terminal near Baitarani west coalmine, taking off from the nearest proposed station of inner/outer corridor of Jarpada-Tentuloi-Luburi line for Loading of Coal of GMDC.
- Consultancy Services for Project Related Works of JSW Infrastructure's Keni Port Project, Jatadhari Port Project & other Railway Projects to M/s ODRA Associates Pvt.Ltd.
- Conducting **Aerial Topographical Survey using DGPS based integrated Drone** i.e, PPK/RTK based Drone for the outer corridor of Talcher Coalfield from Tentuloi to Bhudhapank Alternative Alignment-2.

HIGHWAY PROJECTS

Rengali-Kaniha Balance Work under Pallahara NH Division

Conducting detailed **topographical survey** using **Total station** or such other latest digital Equipment with (60-100mtr corridor) along the final route. Establishing horizontal & vertical control point collecting details of land, Collection of all important features such as crossroads, streams, canals, buildings and existing ponds etc. Collection of data of any LT, HT Lines, and conveyor belts details crossing the alignment.

Conducting Auto leveling at 20mtr interval by Auto level on the Proposed Alignment for fixing of the Gradient of the 2 lane Road Alignment with Paved Shoulder etc. Preparation of land plans of the 2 lane Road Alignment with Paved Shoulder on Revenue Map/sheets based on ROW demarcation work over plots.

To prepare the Alignment plan and I-Section for the Proposed 2 lane Road Alignment with Paved Shoulder, showing all the survey features based on the Detailed **Topographical Survey** in different layers. Preparation of Typical Cross-section for the Proposed 2 lane Road Alignment with Paved Shoulder fixing Horizontal and Vertical control points as per the IRC Guidelines. Fixing of center line points and with grouting of concrete pillars, including all transportation.

Carrying out **Final Location Survey** by using latest Survey Equipment on the **Final Road Alignment** of the Proposed 2 lane Road Alignment with Paved Shoulder. Fixing of Temporary benchmarks at every 250mtr interval, as well as on any permanent structures available for the Final Road Alignment. Fixing of ROW Boundary Pillars at a distance of 50mtr in straight and at 25mtr in curves for the Final Bypass Alignment.

Preparation of **Detailed Project Report** along with the Alignment Plan (Horizontal Alignment) and Vertical Alignment Drawings and design with Bill of Quantities, estimate and specifications as per MoRTH guidelines.

DPR for construction of 2 lanes with paved shoulder Nabarangapur Bypass (Design chainage Km.294/088 to Km.303/212)

Detailed **Topographical Survey** with Auto level work and Preparation of DPR, Rate Analysis, BOQ and schedules, Preparation of pavement design, Rate Analysis BOQ and schedules and preparation of L-section, cross section and **Axle load survey** for construction of Nabarangapur Bypass from 301.588 to Km 303.212 on NH-26 in the state of Odisha.

Preparation of origin destination and speed delay survey and carrying out traffic census work.

Final Location survey by fixing of ROW Pillars, centre line pillars, Fixing of TBM pillars, carrying out soil investigation work such as MMD, OMC and CBR, Preparation of GAD, of bridge for construction of Nabarangapur Bypass.

Other Highway Projects

- **Traffic Projection**, Validation for movement of iron between Khondbond & Kalamanga (TSLBSL) mines to Nayagarh/ Jaroli/ Banspani/ Jalpaposi (upcoming) siding.
- Conducting **detailed survey**, Preparation and Submission of land plan and land schedule, Preparation of **FSR & DPR** along with various drawings for widening/ development of road between Jarapada & Putagadia of Jarapada- Chhendipada road bypassing Durgapur village to the proposed railway siding near Jarapada Railway Station.
- Conducting **Design, Engineering & Planning** of independent captive Road to the proposed TLS siding at Jalpaposhi from Public/Highway/Road network, internal road network, storage and retrieval of iron ore for 10 days dispatch.
- Preparation of **DPR** for Construction of Bypass to Titlagarh town from Km 45+162 to km 52+678 of NH-59 including widening and strengthening from SL/DL to double lane with paved shoulder from km 44+000 to km 45+162 of NH-59 (missing link) under NH-division, Bolangir in the state of Odisha such as **DGPS** & detailed **topographical survey** with **Auto level** work from km 45+162 to 52+678 km of NH-59 (7.5km) including preparation of pavement Design and BOQ schedules.
- Preparation of **DPR** for Construction of Bypass to Titlagarh town from Km 45+162 to km 52+678 of NH-59 including widening and strengthening from SL/DL to double lane with paved shoulder from km 44+000 to km 45+162 of NH-59 (missing link) under NH-division, Bolangir in the state of Odisha such as **DGPS** & Detailed **Topographical Survey** with **Auto level** work from km 44+000 to km 45+162 km of NH-59 (1.1 km) including preparation of pavement Design and BOQ and preparation of L-section, cross-section, BOQ & EPC Document Schedule for bridge locations.
- Preparation of **DPR** for construction of 4 lanes Borigumma By pass (Design Chainage Km 317/700 to Km 321/415) for the year 2022-23.
- **Topographical Survey** for the Improvement to Borigumma Junction on NH-26 under NH Division, Jeypore.
- Feasibility study for development of road connectivity for the upcoming CRM Terminal of TSL near Gamharia.

FOREST DIVERSION PROJECTS

Consultancy services for Forest Land (16 Acre Approx) diversion pertaining to private railway siding Sagra, JSW.

- Collection of Geo-reference points from ORSAC and DGPS survey with ORSAC certification.
- DGPS survey of C.A land & Authentication from forest and Revenue Department. Permission for Deforestation and after compliance of all statutory & legal requirements as per the guidelines.
- Preparation & submission to MoEF & CC. Compliance & site inspection.
- Official permission granted for construction on the forest land, completion of all activity related to forest land diversion.



Construction 400KV Transmission Line from 400KV Switchyard at ACPP-II to MSDS-I Steel Plant Angul for Power supply to ACPP-II (2X525MW) Thermal Power Plant at Angul, A.K Das Associates Limited.

- Land schedule verified with Sabak, DLC and Hal record. Authentication of land schedule and layout plan by tehsildar and range officer.
- DGPS survey carried out along with fixation of pillars by writing log & lat coordinates with serial number along with the boundary line of the forest area authenticated by ORSAC and DFO.
- Identification of degraded forest land along with obtaining suitability certificate.
- Coordination with forest department for assessment of forest cover.
- Coordination with DFO for preparation of site specific C.A scheme by regional CCF. Assessment of NPV for forest lands for non forest use as per guideline of FC act.



DGPS survey of Govt land for Compensate afforestation in connection with Forest Diversion proposal as per Forest conservation Act.1980 for forest land in Jaypore-Malkangiri Project (126Km)

DGPS survey of CA land identified by District Collector from available non forest land duly approved by DFO for suitability in connection with forest diversion proposal of Jeypore-Malkangiri New Railway line project. The scope includes:

- 1) Follow up at District Collectorate for Identification of suitable CA land from land bank in district.
- 2) Field visit and joint field verification with Revenue officials and preparation of Trace map based on Cadastral Village sheet duly approved from concerned Tahasildar and District forest officer.
- 3) After identified Non-Forest CA land approved by DFO, same is communicated to District Collector to allot the said Land in favour of User Agency, to be followed up by agency.
- 4) Triangulation is to be taken in the field after getting coordinates from ORSAC.
- 5) Necessary DGPS survey of nominated CA land and DGPS data along with map, KML file, Shape file etc. to be submitted to ORSAC through DFO concerned for authentication.
- 6) Follow up at District administration for preparation of ROR in favour of Forest dept.
- 7) Pillar posting along boundary of identified CA land, duly approved by forest dept.

Other Forest Diversion Projects

- Execution of all works required for Division of forest land in accordance to Forest Conservation Act. (FCA), 1980 and Forest (Conservation) Second Amendment Rules, 2014 or latter amendment, assistance to acquisition of Tenancy land as per The Railway (Amendment) Act,2008 and assistance to transfer of Govt. land to South Eastern Railway in connection to construction of Jharsuguda- Sardega New Railway Line (Phase-I).
- Consultancy services for all works pertaining to forest land (1.44 Ha Approx) diversion work for the diversion of existing OPTCL transmission line from filling the application till getting the final approval from DFO, Sundargarh and other concerned Govt. Authorities.

EQUIPMENT & SOFTWARE

List of Equipment :

- Total Station – Sokkia cx105 – 2 No.s
- Prism – Sokkia –6 No.s
- Auto Level – Sokkia – 2 No.s
- Hand GPS– Garmin – 3 No.s
- DGPS –Stonex (Base-1 & Rover-2)
- DGPS –Trimble R12 (Base-1 & Rover-2)
- Drone– Ryno Lite Drone (PPK)
- Drone – DJI– 1 No.
- Portable Axle Weigh Pad 20 Ton.
- Axle Weight Pad and Monitor – SPET-0506/SP Engineering-1 No.

List of Software :

- Auto-CAD
- Staad-pro
- Global Mapper
- 3Ds Max
- Revit
- Microsoft Office
- Photoshop
- Google Earth

Completed Projects

SL No.	Subject of Work	Completion Date
1.	IPRCL- Preparation and approval of completion Dwg. and agreement plan of BOT Phase-i of PPT	10.09.2020
2.	IPRCL- Track linking work between the BOT down line and the existing siding no 18 & 19 and siding no. 6 & 7	16.12.2020
3.	IPRCL- Preparation of Alt. Dwg., OHE Layout plan, signaling Interlocking plan and Cost Estimate of PEQCTPL	14.04.2021
4.	IPRCL- Conducting Preliminary Survey & fixation of alternative alignment, submission of land plan & land schedule, various drawing for finalization of coal evacuation from Radhikapur West Coal Block to Jarapada Station of East Coast Railway.	22.06.2021
5.	IPRCL- Conducting Reconnaissance Survey on topo sheet & fixation of alternative alignments, including submission of comparative abstract cost of all alternatives for finalization of coal evacuation from jamkhani & Kurloi North coal mines to nearest rail heads	25.11.2021
6.	IPRCL- Traffic projection, validation for movement of Iron ore between Khondbond & Kalamanga (TSLBSL) mines to Nayagarh/Jaroli/Banspani/Jalpaposi (upcoming) siding	27.12.2021
7.	IPRCL- Preparation of Feasibility study for West Bokaro chainpur Railway Siding of M/s Tata Steel Ltd. to accommodate 3nos. of RLS along with modifications in tracks for seamless operation of trains with S.E Railway Network	15.03.2022
8.	Feasibility study for Development of siding to handle 10 MTPA volume of coal at Radhikapur West mine taking off from upcoming putagadia Station of MCRL for Vedanta Limited, Jharsuguda.	10.05.2022
9.	Execution of all works required for diversion of forest land in accordance to Forest Conservation Act, (FCA), 1980 and Forest (Conservation) Second Amendment Rules, 2014 or Latter amendment, assistance to acquisition of Tenancy land as per The Railway (Amendment) Act,2008 and assistance to transfer of Govt land to South Eastern Railway in connection to construction of Jharsuguda-Sardega New Railway Line(Phase-I).	14.03.2022

SL No.	Subject of Work	Completion Date
10.	Feasibility Study for development of dedicated Rail Siding of Kurloi north coal mines, taking off from Belpahar station for loading of coal of Vedanta Ltd.	03.11.2022
11.	Conducting final location survey, submission of plan & L-section, ESP, GAD of Major Bridges/Minor Bridges/ROB/RUB & detailed estimate for DPR of West Bokaro siding of TSL at Chainpur	19.12.2022
12.	Consultancy services for all works pertaining to forest land (1.44 Ha Approx.) diversion work for the diversion of existing OPTCL transmission line from filling the application till getting the final approval from DFO, Sundargarh and other concerned Government Authorities.	21.01.2023
13.	Part-A:- For engineering survey and preparation of survey drawing Part-B:-Preparation of plan L-section, typical section, lands fixing of PCL etc. Part-C:-for carrying out final location survey preparation & submission of gads, fixing of TBM, row pillars and preparation of DPR etc.	24.01.2023
14.	Conducting Feasibility survey of Alternative alignments for Feasibility Study of railway Siding to JPL/Nearby Location	23.02.2023
15.	Conducting Design, Engineering & Planning of independent captive road to the proposed TSL siding at Jalpaposhi from public/Highway/Road network, internal road network, storage & retrieval of iron ore for 10 days dispatch	28.03.2023
16.	DPR for Construction of 4 lane Borigumma Bypass Design Change Km 317/700 to Km 321/415 for the year 2022-23 Traffic survey such as 7 days traffic count (TVC) OD survey, Axle load survey etc Preparation of DPR including Topographic survey, investigation conducting sub. Soil exploration project financial & Bio metrical analysis, preparation of Estimate BOQ EPC document etc.	31.03.2023

SL No.	Subject of Work	Completion Date
17.	Conducting Detailed Topographical Field Survey Fixing of Permanent benchmark Survey, Preparation, submission, Coordination and assistance to ICON during the approval of ESP, Station Yard Plan L-section Drawings index Plan and Index Section etc. by EAST Cost Railway or any other agency as per the Indian railway guidelines for the Angul-Balaram-putagadia- jarapada-Tentuloi section MCRL Rail corridor project under jurisdiction of the EAST Coast Railway in the state of Odisha	10.07.2023
18.	Preparation and submission of Detailed Project Report including Bil of Quantities, Estimates and Drawings for the proposed Independent Captive Road of The Singareni Collieries Company Limited (A Govt. Company) starting from Jarapada-Chhendipada ODR to the Proposed Goods Shed at Jarapada Railway Station.	01.08.2023
19.	Pre-Feasibility Study Report for the proposed private siding taking of from Budhapank Station by M/s GD Multiventures and M/s Logistic Solutions at Angul District under East Coast Railway as per the extant railway Policy of Gati Shakti Multi Modal Cargo Terminal (GCT).	12.12.2023
20.	Providing Consultancy services for pre-bid activities to proposed goods shed siding of Kalyani TranscoPvt.Ltd.	14.12.2023

Thank You



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