

Bhartiya Rail Bijlee Company Ltd

(A Subsidiary Of NTPC Ltd)

NIT No.: 9900325921/026/2015

(Contracts Services)

(Bid Proposal Sheet)

Name of Work: Construction of PQC road from Ash Dyke Lagoon-01 to Lagoon-02.

Delivery Address:

Nabinagar Thermal Power Project
H-Type Office, Thana-Khaira
Nabinagar, AurangabadNabinagar
Bihar
824303
India
06332-233034
06332-233022

SI No.	Code	Description	Unit	Quantity	Rate	Amount	Long Text
10		Part:A- Scheduled Items of works		#####	#####	#####	
10.10	CVDSR2301011	DSR2023 item: 1.1.2(iii)	M3	500	219.03	109,515.00	Yes
10.20	CVDSR2302052	DSR2023 item: 2.25	M3	1,000	156.80	156,800.00	Yes
10.30	CVDSR2304006	DSR2023 item: 4.1.8	M3	10	5,449.60	54,496.00	Yes
10.40	CVDSR2304015	DSR2023 item: 4.3.1	M2	100	313.72	31,372.00	Yes
10.50	CVDSR2305130	DSR2023 item: 5.33.1.1	M3	50	7,603.80	380,190.00	Yes
10.60	CVDSR2305010	DSR2023 item: 5.9.1	M2	200	313.72	62,744.00	Yes
10.70	CVDSR2305054	DSR2023 item: 5.22.6	KG	25,000	86.28	2,157,000.00	Yes
10.80	CVDSR2305083	DSR2023 item: 5.35	QTL	2,000	586.80	1,173,600.00	Yes
10.90	CVDSR2306002	DSR2023 item: 6.1.2	M3	50	5,705.80	285,290.00	Yes
10.100	CVDSR2316001	DSR2023 item: 16.1	M2	25,000	175.12	4,378,000.00	Yes
10.110	CVDSR2316074	DSR2023 item: 16.45	CCM	22,500	4.24	95,400.00	Yes
10.120	CVDSR2316075	DSR2023 item: 16.46.1	CCM	41,275	6.92	285,623.00	Yes
10.130	CVDSR2316081	DSR2023 item: 16.50	NO	2,000	165.04	330,080.00	Yes
10.140	CVDSR2316103	DSR2023 item: 16.62	M2	1,000	598.24	598,240.00	Yes
10.150	CVDSR2316122	DSR2023 item: 16.78.1	M3	5,500	2,227.20	12,249,600.00	Yes
10.160	CVDSR2316126	DSR2023 item: 16.80	M3	2,600	3,318.92	8,629,192.00	Yes
10.170	CVDSR2302053	DSR2023 item: 2.25A	M3	5,000	560.40	2,802,000.00	Yes

UOM Legends:- AU - Activity unit M3 - Cubic meter M2 - Square meter KG - Kilogram QTL - Quintal CCM - Cubic centimeter (CC) NO - Number

TOTAL OF BOQ PART - 00010 Rs. 33,779,142.00

(INR THREE CRORE THIRTY-SEVEN LAKH SEVENTY-NINE THOUSAND ONE HUNDRED FORTY-TWO ONLY only)

I / We quote BOQ Part-00010 of the subject work as follow :

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Above percentage	% (Percent)
Below percentage	% (Percent)
Note-1 : Bidders are requested to quote the percentage clearly in figure & words		

(Signature of Buyer's Representative)

(Signature of Supplier/Contractor)

Bhartiya Rail Bijlee Company Ltd

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NIT No.: 9900325921/026/2015

SI No.	Code	Description	Unit	Quantity	Rate	Amount	Long Text
20		Part:B- Non Scheduled Items of wors		#####	#####	#####	
20.10		NSI-01: P&L design mix cement concrete	M3	4,000	9,121.00	36,484,000.00	Yes
20.20		NSI-02: S&L of LDPESheet separation mem	M2	16,000	17.25	276,000.00	Yes
20.30		NSI-03: P&F 32 mm dia MS Round dowels	KG	45,000	49.89	2,245,050.00	Yes
20.40		NSI-04: P&F 12 mm dia HYSD Tie bars	KG	3,500	63.83	223,405.00	Yes
20.50		NSI-05: P&F plastic sheet,1.25 mm thick	M2	500	28.75	14,375.00	Yes
20.60		NSI-06: P&M admixtures in recommended p	KG	5,000	34.50	172,500.00	Yes
UOM Legends:- AU - Activity unit M3 - Cubic meter M2 - Square meter KG - Kilogram							
TOTAL OF BOQ PART - 00020				Rs. 39,415,330.00			
(INR THREE CRORE NINETY-FOUR LAKH FIFTEEN THOUSAND THREE HUNDRED THIRTY ONLY only)							
I / We quote BOQ Part-00020 of the subject work as follow :							
Above percentage		% (Percent)			
Below percentage		% (Percent)			
Note-1 : Bidders are requested to quote the percentage clearly in figure & words							
GRAND TOTAL in Figure:							
GRAND TOTAL in Words:							

(Signature of Buyer's Representative)

(Signature of Supplier/Contractor)

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NIT No.: 9900325921/026/2015**SCOPE OF WORK****00010:Part:A- Scheduled Items of works**

Scope of Works:

The scope of work includes, but is not limited to, the following:

o Construction of PQC road from Lagoon-01 to lagoon-02.

" The Construction of RCC drain and culvert as per requirement.

" The Preparation of Sub grade and providing, laying, spreading, and compacting of GSB layer.

" The Providing and laying DLC layer over GSB layer.

" Construction of PQC (Pavement Quality Concrete) road over the DLC layer in required with and thickness.

" The work shall be executed as per CPWD specifications, relevant IS codes, and the instructions of the

Engineer-in-Charge (EIC).

Special Terms & Conditions of the Contract:

1. Payment Terms: As per GCC.

2. Security Deposit / Contract Performance Security: As per Clause No. 22 of GCC, read in conjunction with SCC.

3. Defect Liability Period: Twelve months (12 month) from the certified date of completion of work.

4. Permissible Deviation Limits:

o For above-ground works: (-)100% to (+)20%

o For below-ground works: (-)30% to (+)100%

(As per Clause 49.2 of GCC)

5. Contract Price Adjustment: The rates shall remain firm. No escalation will be considered.

6. Reference Quality Plan: Please refer to the attached reference quality plan. All testing expenditure shall be borne by the vendor. The vendor shall submit a Field Quality Plan for approval by the FQA department, based on the reference quality plan.

7. Tender Drawings: Attached.

8. Free Issue Material: No free issue material.

9. Tools & Tackles / Construction Equipment: All required tools and equipment shall be arranged by the agency at its own cost. No additional payment will be made for these.

10. Facilities to be Provided by NTPC/Employer:

o Construction Power: Shall be arranged by the agency at its own cost.

o Construction Water: Shall be arranged by the agency at its own cost.

Other Terms & Conditions:

11. The contractor shall submit detailed measurements, abstracts, material statements, and reconciliation of materials for executed works, for record and billing purposes.

12. The work completion period shall be Twelve (12) months.

13. The contractor shall arrange a store/office at its own cost and removed from site after completion of work at their own cost.

14. As per NTPC/BRBCL safety norms/GCC, the contractor shall be required to take all safety measures as per safety policy while working at the plant premises at its own cost.

15. The location is notified under the ESI Act, 1948. The vendor shall ensure compliance with all required statutory provisions.

16. The agency shall take a contractor's all-risk insurance policy to cover all risks in accordance with tender provisions, to the extent acceptable to a nationalised insurance company.

17. The design mix shall be within the scope of the agency. Testing charges shall be borne by the agency. The trial mix shall also be carried out at the agency's cost.

18. The work shall be carried out outside the plant premises; the vendor shall arrange watch and ward and other necessary security arrangements at their own cost.

19. Minimum grade of cement OPC-43 grade Cement (IS:8112) shall be used for the M-35 grade of concrete for PQC and shall be in the scope of agency.

20. Agency has to establish a quality test laboratory at site at its own cost or make arrangement for the testing in NTPC approved lab on chargeable basis or NABL approved Laboratory as per direction of EIC.

21. Agency has to establish or arrange the batching plant with printer arrangement not less than 20 cum/hour capacity at their own cost.

22. Agency shall deploy sufficient engineers, Supervisors, quality engineers, safety officers/ supervisors (minimum qualification Diploma/ Engineering in civil Engineering) at site throughout the execution of Work.

23. The Contractor or their authorized representative shall attend the office regularly to submit the daily progress report and to take the instructions from Engineer in Charge or his authorised representative.

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24. Logintudanl and Contraction Joint shall be created by cutting machine already included in Bill of Quantity item of PQC M-35 grade NSI-01.
25. Steel formwork and finishing with required texture/brooming arrangement already included in the Bill of Quantity item of M-35 grade PQC grade NSI-01.
26. The raw material and brought out item shall comply to the relevant specification, IS code, IRC Standard/ Morth Specifications for road work.
27. For Curing of Concrete Hessian clothes/burlap or polythene sheets and watering device shall be arranged by vendor at their own cost.
28. The rates shall be Inclusive to all leads and elevation.
29. The Agency shall indicate the Source of material to be used at site to the Engineer In charge prior to mobilisation of relevant items and got approved from Engineer in charge prior the use at site.
30. Agency shall maintain Register for site-instructions, hindrances, bought out received Materials, cement purchase register. It would be agency's responsibility to keep the register protected and produce it to EIC, whenever required and in Final Bill, it shall be deposited finally to EIC.
31. The Storage of raw material and items as per relevant specifications and as per IS:4082 (updated version).
32. The removal of water from waterlogged area before and during the work shall be in the scope of agency and no extra payment shall be made against this item.
33. The minimum segment of 750 mtr road shall be handed over after completion in full width with all features as per drawing and specification as per direction of Engineer In Charge.
34. Other Terms & Conditions: All other conditions shall be as per NTPC/BRBCL-GCC.

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SERVICE SPECIFICATION

S.No.	Service Code	Service Text
Service Long Text		
10.10	CVDSR2301011	DSR2023 item: 1.1.2(iii)
As per DSR 2023		
10.20	CVDSR2302052	DSR2023 item: 2.25
As per DSR 2023		
10.30	CVDSR2304006	DSR2023 item: 4.1.8
As per DSR 2023		
10.40	CVDSR2304015	DSR2023 item: 4.3.1
As per DSR 2023		
10.50	CVDSR2305130	DSR2023 item: 5.33.1.1
As per DSR 2023		
10.60	CVDSR2305010	DSR2023 item: 5.9.1
As per DSR 2023		
10.70	CVDSR2305054	DSR2023 item: 5.22.6
As per DSR 2023		
10.80	CVDSR2305083	DSR2023 item: 5.35
As per DSR 2023		
10.90	CVDSR2306002	DSR2023 item: 6.1.2
As per DSR 2023		
10.100	CVDSR2316001	DSR2023 item: 16.1
As per DSR 2023		
10.110	CVDSR2316074	DSR2023 item: 16.45
As per DSR 2023		
10.120	CVDSR2316075	DSR2023 item: 16.46.1
As per DSR 2023		
10.130	CVDSR2316081	DSR2023 item: 16.50
As per DSR 2023		
10.140	CVDSR2316103	DSR2023 item: 16.62
As per DSR 2023		
10.150	CVDSR2316122	DSR2023 item: 16.78.1
As per DSR 2023		
10.160	CVDSR2316126	DSR2023 item: 16.80
As per DSR 2023		
10.170	CVDSR2302053	DSR2023 item: 2.25A

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As per DSR 2023

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SERVICE SPECIFICATION

S.No.	Service Code	Service Text
Service Long Text		
20.10		NSI-01: P&L design mix cement concrete
<p>Providing and laying design mix cement concrete of M-35 grade, in roads/ taxi tracks/ runways, using cement content as per design mix, using coarse sand and graded stone aggregate of 40 mm nominal size in appropriate proportions as per approved & specified design criteria, providing dowel bars with sleeve/ tie bars wherever required, laying at site, spreading and compacting mechanically by using needle and surface vibrators, levelling to required slope/ camber, finishing with required texture, including steel form work with sturdy M.S. channel sections, curing, making provision for contraction/ expansion, construction & longitudinal joints (10 mm wide x 50 mm deep) by groove cutting machine, providing and filling joints with approved joint filler and sealants, complete all as per direction of Engineer-in-charge (Item of joint fillers, sealants, dowel bars with sleeve/ tie bars to be paid separately).</p> <p>Note:- Cement content considered in M-35 is @ 350 kg/cum. Excess/ less cement used as per design mix is payable/ recoverable separately.</p>		
20.20		NSI-02: S&L of LDPE Sheet separation mem
Supply an laying of LDPE sheet for separtion membrane as per IS 2508		
20.30		NSI-03: P&F 32 mm dia MS Round dowels
<p>"</p> <p>Providing and fixing 32 mm dia MS Round dowels bars (epoxy coated) of Length as per drawing including expansion cap , filling cotton waste complete as per direction of EIC.The dowel bars shall conform to IS:432 of Grade I mild Steel. (Item of expansion cap to be paid separately)."</p>		
20.40		NSI-04: P&F 12 mm dia HYSD Tie bars
Providing and fixing 12 mm dia HYSD Tie bars of Length as per drawing including Supply of bitumen paint and painting complete as per direction of EIC. Tie bars shall be Thermo- Mechanically Treated (TMT) bars conforming to IS:1786 and grade of Fe 500.		
20.50		NSI-05: P&F plastic sheet,1.25 mm thick
Providing & fixig plastic sheet,1.25 mm thick for dowel bars.		
20.60		NSI-06: P&M admixtures in recommended p
Providing & mixing admixtures in recommended proportions as per IS : 9103 to accelerate/ retard setting of concrete, improve workability without impairing strength and durability as per direction of the Engineer-in-charge.		

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NIT No.: 9900325921/026/2015**ANNEXURE****VENDORS LIST**

S.No.	Collective No. / RFQ No.	Vendor Details
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NIT No.: 9900325921/026/2015**List of Documents**

Please note that below documents are needed to be provided along with Invoice.

S.No.	Document Description
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