

VOLUME II - BILL OF QUANTITIES

Name of work: DESIGN CONSULTANCY FOR 9 ROB'S IN ANDHRA PRADESH UNDER SETU-BHARATAM

Bid Notice No. **IPRCL/MUMBAI/PROJECTS/20/1**

Item No.		Quantity	Unit	Rate (Rs.)	Amount (Rs.)
(1)	(2)	(3)	(4)	(5)	(6)
NS/1	Conducting detailed topographic survey for relocating proposed ROB/RUB & its approaches, revising alignment and approaches of the proposed ROB/RUB as well as making changes in GAD, preparing new GADs as per revised alignment including all approval to GADs (from Rlys/ NHAI, etc as per requirement of IPRCL) complete (may involved change in span lengths) (The GADs already sproved need to revised to reduce the spans and to reduce the land aquisition involved. Earlier GADs were approved and now need to be revised in order to change the location of ROB crossing over existing LC crossing location in order to reduce the land aquisition involved due changed alignment of road/ alignment earlier proposed. The RUB will be moved to suitable location in order to avoid land aquisition) This includes preparing various land plans after obtaining land record as per revenue department and preparing application for Land Aquisition.				
	(a) ROBs as per list enclosed	9 Nos.	Each	2,50,000.00	22,50,000.00
	(b) RUBs/LHS as per list enclosed	5 Nos.	Each	60,000.00	3,00,000.00
NS/2	Detailed Design of ROB / RUB over Railways for closing LC including appraoches, conducting Geotechnical Investigation for foundation including testing & reports, Detailed structural Design for foundations, sub-structure and super structure, appraach spans, preparation of BOQ for execution of work, getting approvals from Highways, NHAI, Railways and all authorities including proof checking from approved IITs/NITs and submit complete detailed design and BOQ as per work requirement in required no of copies, detailing of Land including preparation of documents for Land aquisition, etc complete as per scope of work.				
	(a) ROBs as per list enclosed	9 Nos.	Each	12,37,458.00	1,11,37,122.00
	(b) RUBs/LHS as per list enclosed	5 Nos.	Each	2,75,000.00	13,75,000.00
NS/3	Detailed Design of ROB / RUB appraoches only for already constructed ROB over railways for closing LC including conducting Geotechnical Investigation for foundation including testing & reports, Detailed structural Design for foundations, sub-structure and super structure for approach spans, preparation of BOQ for execution of work, getting approvals from Highways, NHAI, Railways and all authorities including proof checking from approved IITs/NITs and submit complete detailed design and BOQ as per work requirement in required no of copies, detailing of Land, etc complete as per scope of work.				
	ROB for approaches design only	1 Nos.	Each	4,22,576.00	4,22,576.00
			TOTAL AMOUNT		1,54,84,698.00
	NOTE :-				
	(i) Fees to IITs/ NITs will be paid directly by IPRCL instead of re-imbursement to Consultant.				
	(ii) Original tracings shall remain property of IPRCL/Railways				

Payment stages and time limit for submissions :

Item No.	Items	Perid of Completion from date of LOA	% of payment for each item quantity
NS/1	Completion of preparation of GADs and its approvals	3 Months	100%
NS/2	Submission of BOQ for calling of tenders along with approval from IPRCL and also completion of Geotechnical Investigation & Submission of Report	3 Months	30%
NS/2	Submission of all Other reports /drawings including detailed designs as per requirement along with approvals from all authorities duly proof checked & finalization of complete work	4 Months	70%
NS/3	Submission of BOQ for calling of tenders along with approval from IPRCL and also completion of Geotechnical Investigation & Submission of Report	3 months	30%
NS/3	Submission of all Other reports /drawings including detailed designs as per requirement along with approvals from all authorities duly proof checked & finalization of complete work	4 Months	70%
	TOTAL ESTIMATED COST OF THE WORK	Rs. 1,54,84,698.00	
	CONTRACTOR TO QUOTE PERCENTAGE ABOVE/BELOW/AT PAR OF ABOVE COST		
	Contractor to clearly state whether above/below/at par. If nothing is written it will be considered below.		
	CONTRACTOR'S RATE IN PERCENTAGE ABOVE/BELOW/AT PAR OF ABOVE COST		ABOVE/BELOW/AT PAR %
	WE ARE READY TO EXECUTE THE SAID WORK AT THE RATES & AMOUNT MENTIONED ABOVE. Amount In Figures: Rs..... Amount in words: Rupees_____		
	Note: i) Rates should be quoted exclusive of GST & GST should be shown separately.		
	Contractor/ Consultant's Signature with Seal		

DETAILS OF 9 ROB'S PROPOSED UNDER SETU BHARATAM

State	LC No.	Rly. Chainage	Railway Block Section	In between Rly. stations	NH No. as per Drg.	NH name	Approved GADs- Remarks
AP	104 E/SPL 3	97/648	GUDIVADA-BHIMAVARAM	CHERUKUWADA-UNDI	214 (NEW NH-165)	Between Kathipudi & Pamarru NH-Km 70+400	ROB Composite Steel Girder on Main Span & PSC girders on approach spans
AP	79	68/0-1	VIJAYVADA-BHIMAVARAM	MANDAVALLI-KAIKALURU	214	Between Kathipudi & Pamarru NH-Km 200/400	ROB Composite Steel Girder on Main Span & PSC girders on approach spans
							RUB BOX -LHS
AP	114 T/SPL3	105/5-6	GUDIVADA-BHIMAVARAM	BHIMAVARAM- UNDI	214	Between Bhimavaram & Gudivada NH-Km 162+200	ROB Arch-Type Steel Girder & Composite Steel Girder on Main Span & PSC girders on approach spans
AP	3E/SPL3	2/(1-2)	GUDIVADA-MACHILIPATNAM	KAUTARAM-GUDIVADA	214	Between Kathipudi & Pamarru NH Km 231/700	ROB Arch- Type Girder on Main Span & PSC Girders on approach spans
							RUB BOX -LHS
AP	93	84/127	GUDIVADA-BHIMAVARAM	AKIVIDUM-PALLEVADA	NH-214 (NEW NH-165)	Between Kathipudi & Pamarru NHKm 183/700	ROB Composite Steel Girder on Main Span & PSC Girders on approach spans
							RUB BOX -LHS
AP	55 E/SPL3	46/6-7	GUDIVADA-BHIMAVARAM	GUDIVADA-MOTURU	18	Between Kathipudi & Pamarru NH Km 226/400	ROB Composite Steel Girder on Main Span & PSC girders on approach spans
							RUB BOX -LHS
AP	52 T/SPL3	44/254	GUDIVADA-BHIMAVARAM	MOTURU-GUDIVADA	214	Between Kathipudi & Pamarru NH Km 230/600	ROB Composite Steel Girder on Main Span & PSC girders on approach spans
							RUB BOX -LHS
AP	8	7/(1-2)	BHIMAVARAM-NARSAPUR	PENNADA AGRAHARAM-VIRAVASARAM	NH-214(NEW NH-165)	Between Kathipudi & Pamarru NH Km 152+419	ROB Arch-Type Girder 1 Nos & Composite Steel Girder 2 Nos on Main Span & PSC girders on approach spans
AP	RV 324	44/2-3	VIJAYANAGARAM-RAYAGADH	MARRIVALASA-PEDAMANAPURAM	NH 43 (New NH 165)	--	ROB Approaches to be designed. ROB proper is already constructed.

Remarks : - Bidder may have to revise the GADs and obtain approvals from concerned stake holders i.e. Railways, MORTH and others on the following account :

(i) To keep bare minimum land acquisition

(ii) To standardize spans over Railway portion as well as road approaches.