

**N.I.T. Schedule for Survey Work with Preparation of D.P.R. for Construction of Deori-Parasauna-Telgawan UP Border Road Length 20.80 Km. for Proposed Four Lane By Pass Road, Under PWD Sub Division Waidhan, Distt. Singrauli (M.P.)**

P.A.C. Rs. 19.27 Lakh

Road SOR w.e.f. 11.04.2025 & Amendment upto date

S.No	Item No. & Description	Quantity	Unit	Rate	Amount
1	2	3	4	5	6
1	18.1 Survey and investigation for road work with chain and compass, auto level, theodolite or total station i/c fixing of permanent benchmark and also fixing of bench mark on all the permanent structures, along the alignment, like boundary wall, electrical poles etc. Also marking of locations of boundary wall, electric poles, telephone poles, trees etc. in the road plan, collection and submission of existing inventory of the road all along the alignment conducting survey @ 20 metre interval for L-section and for single lane X-section interval will be @ 0.75, 1.25, 1.875, 2.60, 3.75, 4.50, 5.50 and 6.50 metre on both side of centre line for two lane/ four lane interval for x-section shall be as specified in MORT&H Specifications. Data collected as specified above are required to be submitted in both hard and soft copies, L-section, X-section and plan is required to be submitted in the shape of drawing sheets drawn with the help of auto plotter. Soil samples @ every 500 metre or wherever soil appears to change its properties are required to be collected and soil investigation for LL, PL, swelling index and CBR are to be conducted and result too be submitted along with the project report. Job also includes collection of data for traffic census, fixing of RTL, getting it approved from Engineer-in-Charge and accordingly submission of pavement design in accordance with relevant clauses of IRC. Preparation of estimate complete and submission of same in eight copies duly spiral binded.				
	iv) For four lane road	20.80	Km	10250.00	213200.00
2	18.2 Carrying out catchment area traverse survey of minor stream (not traceable in toposheet) below 100 acres				
		80.50	Sq Km	3460.00	278530.00
3	18.3 Survey of C.D. works including taking L-Section of road, catchment area plan by Traverse method and taking trial pits of size 1.50M x 1.50M x 1.50M including preparation of detailed plans and estimates in 5 copies and all types of compliance if required from the department.				
		60.00	Each	5000.00	300000.00
4	18.4 Survey of Minor bridge including taking L section of existing road upto 500 m both side and two defined cross sections, one of 300 m U/s and one of 300 m D/s at the bridge site, one vergin cross section on alternate proposed cross sections and bed slope of stream upto sufficient long distance as required with chain and compass. Taking three trial pits of size 1.00x1.00x3.0 m and collecting samples of materials at site for ascertaining the silt factor, unit weight test, specific gravity from Govt. approved laboratories (testing charges to be borne by the agency) and preparation of detailed survey data, submission of the project duly typed, site plan and other drawings etc. complete as required by				

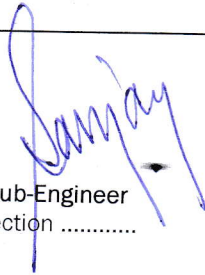
S.No	Item No. & Description	Quantity	Unit	Rate	Amount
1	2	3	4	5	6
		6.00	Each	15000.00	90000.00
5	18.5 Survey of Major bridge including taking L-section of existing road upto 500 m each side and two defined cross sections, one of 300 m U/s and one of 300 m D/s and one virgin cross section on alternate proposed cross sections and bed slope of stream upto sufficient long distance as required with chain and compass. Taking 5 trial pits, three in bed, two on banks of size 2.00x2.00x3.00 m for collecting samples of materials at site for ascertaining the silt factor, unit weight test, specific gravity from Govt. approved laboratories (testing charges to be borne by the agency) and preparation of detailed survey data, submission of the project duly typed and coloring of ammonia prints, site plan and other drawings etc. complete. And all types of compliance if required from Department. (Excluding taking trial bores and				
		3.00	Each	25000.00	75000.00
6	18.14 Preparation of Engineering drawing as strip plan, widening scheme, index / key map, typical cross section, retaining walls, road furniture, general arrangement drawings for bus bays / truck lay-bays / rest areas / toll plaza / booths / and type drawing of pipe/ slab drains etc. on computer using Auto CAD.				
		20.80	Km	9982.00	207625.60
7	18.6 Detailed topo graphy Survey of ROB/Fly Over by using total station along with the existing or new road including L- Section of alignment, Cross section @ 20 m interval, picking up all existing detailed surrounding data like electric telephone line, encroachment, existing structure etc. connecting all the primary total station control point by GIS Bench mark RL also correlate with MSL and preparation of detailed survey data, submission of the project duly typed and coloring of ammonia prints, site plan and other drawings etc. complete. And all types of compliance if required from Department. (Excluding taking trial bores and contouring) all autocad plan by using above data taking out two setof colour printout with required size.				
		3.00	Each	35000.00	105000.00
8	18.11 Preparation of initial drawing of Bridge/ ROB/Fly Over with preparing General Arrangement drawing with dimensions etc. complete and preparation of rough estimate for all components of bridge. Including supplying four copies of coloured drawings and copy of drawing on C.D. (excluding geotechnical and structural design part.)				
	i) Slab Culvert	60.00	Each	1000.00	60000.00
	(ii) Minor Bridge	6.00	Each	2500.00	15000.00
	(iii) Major Bridge	3.00	Each	4000.00	12000.00
	(iv) ROB	3.00	Each	10000.00	30000.00

*Sanjay S/S*


*SDO*

*Sanjay*

S.No	Item No. & Description	Quantity	Unit	Rate	Amount
1	2	3	4	5	6
9	19.1 Providing and carrying out video shooting of roads, bridges, buildings, other programmes including hiring of vehicle equipment's for video shooting, titling, lighting, mixing, lettering, editing, including cost of two colour CDs of approved makes and quality etc. complete.				
	i) Within 50 Kms.	7.00	Per day	2500.00	17500.00
10	19.3 Shooting of still photographs outdoor and indoor of construction and other works of building, bridges, roads etc. at any distances				
	(A) i) Post Card size ij) 4"x6" size	300.00	3 Nos	60.00	18000.00
	iv) 8"x12" Size (A-4 Size)	260.00	3 Nos	250.00	65000.00
11	11.16 Preparation of Land Acquisition proposal including collection of 7/12 and 8/A documents marking alignment on village maps, area calculation, preparation of proposal, printing, binding, etc. complete and submission of 5 sets more ever liaisoning and coordination with revenue authorities with compliance if any until finalisation of award including Joint measurement of the alignment. For new alignment.				
		16.00	Km.	27486.00	439776.00
		<b>Total Amount Rs.</b>			<b>1926631.60</b>
		<b>Say In Rs. Lacks</b>			<b>19.27</b>

  
Sub-Engineer  
P.W.D. Section .....

  
Sub Divisional Officer  
P.W.D. Sub Dn. Waidhan

  
EXECUTIVE ENGINEER  
P.W.D. DIV. SINGRAULI