

ICB No: OSRP-CW- ICB-P02B

[INTERNATIONAL COMPETITIVE BIDDING]

***Construction for Widening & Strengthening of
Existing Carriageway to 2-lane road from
Pirhat to Chandbali***

(Km. 27/500 to Km. 45/500 of SH-09)(Balance Works)

Project: Odisha State Roads Project

Volume-II

(Bill of Quantities)

**Employer: Works Department, Government of Odisha,
Bhubaneswar, INDIA**

A. Preamble

1. The Bill of Quantities shall be read in conjunction with the Instructions to Bidders, General and Special Conditions of Contract, Technical Specifications, and Drawing.
2. The quantities given in the Bill of Quantities are estimated and provisional, and are given to provide a common basis for bidding. The basis of payment will be the actual quantities of work ordered and carried out, as measured by the Contractor and verified by the Engineer and valued at the rates and prices bid in the priced Bill of Quantities, where applicable, and otherwise at such rates and prices as the Engineer may fix within the terms of the Contract.
3. The rates and prices bid in the priced Bill of Quantities shall, except insofar as it is otherwise provided under the Contract, include all Constructional Plant, labour, supervision, materials, erection, maintenance, insurance, profit, taxes, and duties, together with all general risks, liabilities, and obligations set out or implied in the Contract.
4. A rate or price shall be entered against each item in the priced Bill of Quantities, whether quantities are stated or not. The cost of Items against which the Contractor has failed to enter a rate or price shall be deemed to be covered by other rates and prices entered in the Bill of Quantities.
5. The whole cost of complying with the provisions of the Contract shall be included in the Items provided in the priced Bill of Quantities, and where no Items are provided, the cost shall be deemed to be distributed among the rates and prices entered for the related Items of Work.
6. General directions and descriptions of work and materials are not necessarily repeated nor summarized in the Bill of Quantities. References to the relevant sections of the Contract documentation shall be made before entering prices against each item in the priced Bill of Quantities.
7. Provisional Sums included and so designated in the Bill of Quantities shall be expended in whole or in part at the direction and discretion of the Engineer in accordance with Sub-Clause 13.5 and Clause 13.6 of the General Conditions.
8. The method of measurement of completed work for payment shall be in accordance with Specifications for Road and Bridge Works (Fifth Revision), Ministry of Shipping, Road Transport & Highways read along with the technical specifications and other relevant clauses of the contract.
9. Any arithmetic errors in computation or summation will be corrected by the Employer as follows:
 - (a) Where there is a discrepancy between amounts in figures and in words, the amount in words will govern; and
 - (b) where there is a discrepancy between the unit rate and the total amount derived from the multiplication of the unit price and the quantity, the unit rate as quoted will govern, unless in the opinion of the Employer, there is an obviously gross misplacement of the decimal point in the unit price, in which event the total amount as quoted will govern and the unit rate will be corrected.

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
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B. Work Items

BILL NO.1 : SITE CLEARANCE					
1.01	Clearing and Grubbing for road land complete as per Technical Specification Clause 201 and as per the direction of Engineer-in-charge.	Hectare	30.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
1.02	Dismantling structures and pavement including disposal of resulting material and/or salvaging useful materials complete as per Technical Specification Clause 202, 2809 and as per the direction of Engineer-in-charge.				
	a) Brick/ Stone Structures of dry or in lime/cement mortar	Cum	226.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	b) Concrete/Reinforced concrete/ Pre-stressed concrete structures including cleaning straightening & cutting of bars and separating them out from RCC/PSC.				
	For Slab Culverts & Box Culverts and Bridges				
	i)P.C.C.	Cum	350.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	ii)R.C.C.	Cum	740.00	in figure : Rs. in Word : Rupees	in figure : Rs.

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	c) Hume pipe	Lm	73.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	d) CC Kerb	Lm	206.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	e) Dry stone pitching	Cum	60.00	in figure : Rs. in Word : Rupees	in figure : Rs.

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	f) RCC railing	Lm	316.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	g) Expansion joint	Lm	126.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	h) Wearing coat				
	i) Bituminous Concrete	Sqm.	400.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	ii) Cement Concrete	Sqm.	60.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	(Total no of items to be quoted: 11) Total for Bill No. 1 (Carried forward to Summary, p. 65)				Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
BILL NO.2 : EARTH WORKS					
2.01	Roadway excavation in all kinds of soil necessary for construction of roadway, utilization of suitable soil, and disposal of unsuitable soil with all lead and lift complete as per Technical Specification Clause 301 and as per the direction of Engineer.	Cum	52,536.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
2.02	Roadway excavation in granular base necessary for construction of roadway, utilization of suitable soil, and disposal of unsuitable soil with all lead and lift complete as per Technical Specification and as per the direction of Engineer.	Cum	10,103.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
2.03	Construction of embankment with approved material obtained from approved borrow areas with all leads and lifts Complete as per Drawing and technical Specification Clause 305 and as per the direction of Engineer-in-charge.	Cum	1,76,243.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
2.04	Construction of embankment with sand from approved borrow areas with all leads and lifts complete as per Drawing and Technical Specification Clause 305 and as per the direction of Engineer-in-charge.	Cum	8,130.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
2.05	Construction of rockfill embankment with broken hard rock fragments of size not exceeding 300 mm laid in layers not exceeding 500 mm thick including filling of surface voids with stone spalls binding top layer with granular material rolled with vibratory road roller all complete as per clause 313.	Cum	855.00	in figure : Rs. in Word : Rupees	in figure : Rs.
2.06	Construction of subgrade and earthen shoulder with moorum/ gravelly soil having CBR value 10% or more from approved borrow areas with all leads and lifts Complete as per Drawing and technical Specification Clause 305 and as per the direction of Engineer-in-charge.	Cum	1,39,643.00	in figure : Rs. in Word : Rupees	in figure : Rs.
2.07	Construction of Subgrade with granular material having CBR value 10% or more obtained from roadway excavation with all leads and lifts all complete as per Drawing and Technical Specification Clause 305 and as per the direction of Engineer-in-charge.	Cum	1,282.00	in figure : Rs. in Word : Rupees	in figure : Rs.
2.08	Construction of embankment with suitable	Cum	36,775.00	in figure : Rs.	in figure : Rs.

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	material obtained from roadway excavation and structure excavation with all leads and lift all complete as per Drawing and Technical Specification Clause 305 and as per the direction of Engineer.			in Word : Rupees	
2.09	Loosening and re-compacting the existing subgrade in all kinds of soil up to a depth of 300mm to meet the requirement of table 300-2 complete as per Technical Specification Clause 305 and as per the direction of Engineer-in-charge.	Cum	3,125.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
2.10	Scarifying the existing bituminous surface layers without disturbing the base including transporting and disposing off waste material at approved location complete as per Technical Specification Clause 501 and as per the direction of Engineer-in-charge.	Sqm	8,244.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
(Total no of items to be quoted: 10) Total for Bill No. 2 (Carried forward to Summary, p. 65)					Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
BILL NO.3 : SUB-BASE AND BASE COURSES					
3.01	Construction of Granular Sub-base course using crushed stone aggregate by providing the materials conforming to Grading-V of Table 400-1 complete as per Technical Specification Clause 401 and as per the direction of Engineer-in-charge.	Cum	49,778.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
3.02	Construction of wet mix macadam complete as per Technical Specification Clause 406 and as per the direction of Engineer-in-charge.	Cum	45,973.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
(Total no of items to be quoted: 02) Total for Bill No. 3 (Carried forward to Summary, p. 65)					Rs.

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	BILL NO.4 : BITUMINOUS COURSES				
4.01	Providing bituminous Primer coat over granular surface complete all as per Technical Specification Clause 502 and as per the direction of Engineer-in-charge.	Sqm	1,77,261	in figure : Rs. in Word : Rupees	in figure : Rs.
4.02	Providing Tack coat complete as per Technical Specification Clause 503 and as per the direction of Engineer-in-charge.				
	(a) Over granular Surface treated with primer	Sqm	1,77,261.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	(b) Over normal bituminous surface	Sqm	1,77,261.00	in figure : Rs. in Word : Rupees	in figure : Rs.
4.03	Providing Dense Bituminous Macadam course using Bitumen Grade-60/70 (VG-30) complete as per Technical Specification Clause 505 and as per the direction of Engineer.	Cum	12,603.00	in figure : Rs. in Word : Rupees	in figure : Rs.

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
4.04	Providing bituminous concrete wearing course using CRMB-55 complete as per Technical Specification Clause 507 and as per the direction of the Engineer.	Cum	6,722.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
4.05	Providing and laying 20 mm thick Close Graded Premix Mixed Seal Surfacing type A complete as per Technical Specification Clause 508.	Sqm	9,221.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
4.06	Construction of dry lean cement concrete Sub- base over a prepared sub-grade with coarse and fine aggregate, concrete strength not to be less than 10 Mpa at 7 days, mixed in a batching plant, transported to site, laid with a paver with electronic sensor, compacting with 8-10 tonnes vibratory roller, finishing and curing as per Technical Specification Section 600 and as per the direction of Engineer-in-charge.	Cum	1,890.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
4.07	Construction of un-reinforced, dowel jointed, plain cement concrete pavement of M40 grade with 43 grade cement @ minimum 400 kg per cum , over a prepared dry lean concrete sub base, mixed in a batching and mixing plant as per approved mix design, transported to site by transit mixers, laid either with a fixed form or slip form paver or by hand guided method, spread, compacted and finished in a continuous operation including provision of contraction, expansion, construction and longitudinal joints, joint filler, separation membrane of 125 micron thickness, sealant primer, joint sealant, debonding strip, dowel bar, tie rod, admixtures as approved, curing compound, finishing to lines and grades as per drawing and Clause 602 of Technical Specifications.	Cum	3,780.00	in figure : Rs. in Word : Rupees	in figure : Rs.
(Total no of items to be quoted: 08) Total for Bill No. 4 (Carried forward to Summary, p. 65)					Rs.

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
BILL NO.5 : CULVERTS					
5.01	Earthwork in excavation of foundation for structures complete as per drawing and technical specifications clause 304 including all leads and lifts and as per the direction of Engineer-in-charge.	Cum	5,547.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
5.02	Earth fill below pitching in quadrant portion with approved material complete as per drawing and Technical Specification Clause 305 with all leads and lifts and as per the direction of Engineer-in-charge.	Cum	2,710.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
5.03	Providing and filling behind abutment, wing wall and return wall with granular material etc. Layers not exceeding 150mm thick including all leads and lifts complete as per Drawing, direction of the Engineer and Technical Specification Clause 304 and as per the direction of Engineer-in-charge.	Cum	1,669.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
5.04	Providing filter media behind abutment, wing wall and return wall complete as per drawing and Technical Specification clause 2504, 2509, 2510 and as per the direction of Engineer-in-charge..	Cum	727.00	in figure : Rs. in Word : Rupees	in figure : Rs.
5.05	Cement Concrete M-15 grade in levelling course etc. including centering and shuttering all complete to produce a finished concrete true to shape, line, levels and dimensions as per Drawings and Technical Specification Sections 1500 and 1700 and as per the direction of Engineer.	Cum	890.00	in figure : Rs. in Word : Rupees	in figure : Rs.
5.06	Cement Concrete M-20 grade in substructure & headwall including centering and shuttering all complete to produce a finished concrete true to shape, line, levels and dimensions as per Drawings and Technical Specification Sections 1500, 1700, 2200 and as per the direction of Engineer.	Cum	311.00	in figure : Rs. in Word : Rupees	in figure : Rs.
5.07	Reinforced Cement Concrete M-35 grade in all types of culverts all complete to produce a finished concrete true to shape, line, levels and dimensions as per drawing and technical specification Section 1500, 1700 & 2200 and as per the direction of Engineer.	Cum	2321.00	in figure : Rs. in Word : Rupees	in figure : Rs.

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(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
5.08	HYSD (TMT) bar reinforcement of Grade Fe-500 complete as per drawing and technical specifications clause 1600 and as per the direction of Engineer.	MT	139.00	in figure : Rs. in Word : Rupees	in figure : Rs.
5.09	Providing laying and joining NP-4(I.S 458) hume pipes for culverts on concrete cradle bedding excluding cost of concrete complete as per Drawing Tech. Specification section 2900 and IRC special publication No.13 and as per the direction of the Engineer.				
	a) 1000 mm dia.	Lm	375.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	b) 300 mm dia. In Single Row	Lm		in figure : Rs.	in figure : Rs.

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(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
			390.00	in Word : Rupees	
5.10	Providing and laying filter material with moorum/ gravel soil underneath stone pitching in slopes complete as per drawings and technical specification section 2504, 2509, 2510 and as per the direction of Engineer-in-charge.	Cum	337.00	in figure : Rs. in Word : Rupees	in figure : Rs.
5.11	Providing and laying stone pitching on embankment slopes complete as per drawing and technical specification Clause 2504 and as per the direction of Engineer-in-charge	Cum	674.00	in figure : Rs. in Word : Rupees	in figure : Rs.
5.12	Providing rubble stone flooring in Cement Mortar (1 Cement:3 Sand) and joints complete as per Drawing and Technical Specification Section 1400, 2504 and as per the direction of Engineer-in-charge.	Cum	967.00	in figure : Rs. in Word : Rupees	in figure : Rs.
5.13	Providing weep holes in box portion,	No	1792	in figure : Rs.	in figure : Rs.

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(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	return wall, wing wall etc. all complete as per drawing and technical specification clause . 2706 and as per the direction of Engineer-in-charge.			in Word : Rupees	
5.14	Reinforced cement concrete railing complete as per Drawing and Technical Specification Section 2700 (Including cost of Reinforcement) and as per the direction of Engineer-in-charge.	Lm	368.00	in figure : Rs. in Word : Rupees	in figure : Rs.
5.15	Bituminous wearing course 56mm thick comprising 50mm thick asphaltic concrete in a single layer over Bituminous mastic course 6mm thick with a prime coat complete as per Drawing and Technical Specification Section 2700, Clause 512 and as per the direction of Engineer-in-charge.	Sqm	2,514.00	in figure : Rs. in Word : Rupees	in figure : Rs.
5.16	Synthetic enamel painting of culvert no. and span arrangement as per IRC - 7 - 1971 and as per the direction of Engineer-in-charge.	No	68	in figure : Rs. in Word : Rupees	in figure : Rs.
5.17	Sand Filling in Foundation Trenches as	Cum	1,173.00	in figure : Rs.	in figure : Rs.

- (1) No. of corrections :-
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(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	per Drawing & Technical Specification Clause 304 and as per the direction of Engineer-in-charge.			in Word : Rupees	
(Total no of items to be quoted: 18) Total for Bill No. 5 (Carried forward to Summary, p. 65)					Rs.

BILL NO.6 : BRIDGES					
6.01	Earthwork in excavation of foundation for structures complete as per drawing and technical specification clause 304 including all leads & lift and as per the direction of Engineer-in-charge.	Cum	32,390.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
6.02	Providing and filling foundation and at the back of abutment, wing wall and return wall etc. and below pipe bed in layers not exceeding 150mm thick with granular material including all leads & lifts as per Technical Specification Clause 304 and as per the direction of Engineer-in-charge.	Cum	1,477.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
6.03	Providing Filter media behind abutment, wing wall and return wall complete as per drawing and technical Specification clause 2504 and as per the direction of Engineer-in-charge.	Cum	684.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
6.04	Cement Concrete M-15 grade in levelling course etc. including centering and shuttering all complete to produce a finished concrete true to shape, line, levels and dimensions as per Drawings and Technical Specification Sections 1500 and 1700 and as per the direction of Engineer.	Cum	1,459.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
6.05	Reinforced cement concrete M-20 in foundation and substructure etc including centering and shuttering all complete as per drawing and Technical specification Section 1500, 1700, 2100, 2200 and as per the direction of Engineer-in-charge.	Cum	5,717.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
				in Word : Rupees	
6.06	Reinforced cement concrete M-35 grade in all types of structures complete to produce a finished concrete true to shape, line, levels and dimensions as per drawing & Technical specification sections 1500, 1700, 2200 and as per the direction	Cum	8,501.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

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(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	of Engineer.				
6.07	HYSD (TMT) bar reinforcement of Grade-Fe500 complete as per drawing and technical specifications clause 1600 and as per the direction of Engineer.	MT	846.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.08	Providing and fixing of Elastomeric bearing complete as per Drawing and technical specification 2000 and as per the direction of Engineer-in-charge.	Cucm	1,44,000.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.09	Bituminous wearing course 56mm thick comprising 50mm thick asphaltic Concrete in a single layer over Bituminous mastic course 6 mm thick with a prime Coat Complete as per drawing and Technical Specification Section 509 & 2700 and as per the direction of Engineer-in-charge.	Sqm	6,373.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.10	Providing and fixing Drainage Spouts	No	230	in figure : Rs.	in figure : Rs.

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(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	Complete as per drawing and Technical Specification Clause 2705 and as per the direction of Engineer-in-charge.			in Word : Rupees	
6.11	Providing and laying Stone pitching in slopes complete as per drawing and Technical Specification Section 2500 and as per the direction of Engineer-in-charge.	Cum	1,391.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.12	Providing as laying fitter material with moorum/ gravel underneath Stone pitching in slopes Complete as per drawing and Technical Specification clause 2504 and as per the direction of Engineer-in-charge.	Cum	678.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.13	Providing weep holes in abutments, wing walls and return walls etc. as per drawing and Technical Specification clause 2706 and as per the direction of Engineer-in-charge.	No	2,458	in figure : Rs. in Word : Rupees	in figure : Rs.
6.14	Providing rubble Stone flooring in Cement mortar (1Cement:3 sand) and joints Complete as per drawing and Technical Specification Section 1400 and 2500 and as per the direction of Engineer-in-charge.	Cum	1,321.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.15	Supplying and fixing Strip Seal Expansion	Lm	515.00	in figure : Rs.	in figure : Rs.

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(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	Joints Complete as per Drawing and direction of Engineer.			in Word : Rupees	
6.16	Synthetic enamel painting of culvert no. and span arrangement as per IRC - 7 - 1971 and as per the direction of Engineer-in-charge.	No	112	in figure : Rs. in Word : Rupees	in figure : Rs.
6.17	Carrying and Confirmatory bores up to required depth at locations of bridges as directed be Engineer complete in all respects, conducting all the tests required as directed by the Engineer and as per Technical Specification Section 2400 and interpretation of the bore data and presentation of the results and as per the direction of Engineer-in-charge.				
	i) depth from 0m to 10m (In all types of soil except rock)	Lm	150.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.18	Providing and painting of flood gauge on substructure is fall height and 500mm width and as per the direction of Engineer-in-charge.	Lm	465.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.19	Providing and laying 150mm dia. HDPE	Lm	6,270.00	in figure : Rs.	in figure : Rs.

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(3) No. of interpolations:-
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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	Service pipe as per drawing and as per the direction of Engineer-in-charge.			in Word : Rupees	
6.20	Providing Earth fill below pitching in quadrant portion with approved material complete as per drawing and Technical Specification Clause 305 with all leads and lifts and as per the direction of Engineer-in-charge.	Cum	1,715.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.21	Providing Sand Filling in Foundation Trenches as per Drawing & Technical Specification Clause 304, 305 and as per the direction of Engineer-in-charge..	Cum	8,906.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.22	Providing PCC in flooring as per Drawing & Technical Specification section 1700, 2500 and as per the direction of Engineer-in-charge..				
	(a) M-15 Grade	Cum	219.00	in figure : Rs.	in figure : Rs.

- (1) No. of corrections :-
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(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
				in Word : Rupees	
	(b) M-20 Grade	Cum	36.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.23	Reinforced cement concrete crash barrier including cost of steel and its fabrication to bridge structures as per the approved drawing and Technical Specification clause 809, and section 1500, 1600, 1700 and as per the direction of Engineer-in-charge .	Lm	1,330.00	in figure : Rs. in Word : Rupees	in figure : Rs.
6.24	Plastering with cement mortar (1:3) on brick work in sub-structure as per Technical Specifications	Sqm	73.00	in figure : Rs.	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
				in Word : Rupees	
	(Total no of items to be quoted: 25) Total for Bill No. 6 (Carried forward to Summary, p. 65)				Rs.

- (1) No. of corrections :-
- (2) No. of overwriting :-
- (3) No. of interpolations:-
- (4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
BILL NO.7 : RETAINING WALL, DRAINAGE AND PROTECTIVE WORKS					
7.01	Providing and laying stone pitching on embankment slopes as per drawing and Technical Specification Clause 2504 and as per the direction of Engineer-in-charge.	Cum	2,079.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
7.02	Providing and laying filter material with moorum/ gravel underneath stone pitching on embankment slopes as per drawing and Technical Specification Clause 2504 and as per the direction of Engineer-in-charge.	Cum	1,040.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
7.03	Turving side slopes of main road and service road with grass sods complete as per Technical Specification Clause 307 and as per the direction of Engineer-in-charge.	Sqm	27,596.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
7.04	Constructing precast saucer drain to the required lines and grades as per Drawing and Technical Specification and as per the direction of Engineer-in-charge.	Lm	5,300.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
7.05	Providing and construction of Unlined earthen surface drain to proper line and grade as per Drawing and as per the direction of Engineer-in-charge.	Cum	13,850.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
7.06	Plane cement concrete for gap filler between main carriageway and drain with M-35 Grade complete as per drawing & Technical specification and as per the direction of Engineer-in-charge.	Cum	83.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
	(Total no of items to be quoted: 6) Total for Bill No. 7 (Carried forward to Summary, p. 65)				Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
BILL NO-8: ROAD SAFETY AND AMENITIES.					
8.01	Providing and laying plain cement concrete kerb as per drawing and Technical Specifications Clauses 408, section 1500, 1700 and as per the direction of Engineer-in-charge.	Lm	160.00	in figure : Rs. in Word : Rupees	in figure : Rs.
8.02	Providing service ducts with 150mm dia GI pipes over concrete base of M-15 under existing and proposed carriageways including cutting of trenches through existing roadway and reinstatement of the same as per design and specification and as per the direction of Engineer-in-charge.	Lm	600.00	in figure : Rs. in Word : Rupees	in figure : Rs.
8.03	Providing and fixing RCC boundary posts complete as per drawing and Technical Specification Clause 806 and as per the direction of Engineer-in-charge.	No	30	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
8.04	Providing and fixing RCC/PCC hectometer, Kilometer and 5th kilometer stones complete as per Technical Specification Clause 804 and as per the direction of Engineer-in-charge.				
	a) No of (200) Hectometer Stone	No	70	in figure : Rs. in Word : Rupees	in figure : Rs.
	b) No of Kilometer stone	No	14	in figure : Rs. in Word : Rupees	in figure : Rs.
	c) No. of 5th Kilometer Stone	No	4	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
8.05	Constructing footpath/ paved separator at toll plaza, passenger platform / paved part of medians and islands complete as per drawing and Technical Specifications Clause 409 and 407 and as per the direction of Engineer-in-charge.	Sqm	120.00	in figure : Rs. in Word : Rupees	in figure : Rs.
8.06	Providing passenger shelters for Bus Bays as per drawing and Technical Specifications Section 1500, 1600, 1700, 2100, 2200, 2300 and as per the direction of Engineer-in-charge.	No	16	in figure : Rs. in Word : Rupees	in figure : Rs.
8.07	Pavement marking with hot applies thermoplastic paints confirming to ASTM D86 / BS 3262-Part as per drawing and Technical specifications Clause 803.4 and as per the direction of Engineer-in-charge.				
	a) Lane line / Edge marking	Sqm	6,701.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	b) Directional arrows and lettering etc.	Sqm	190.00	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
8.08	Supplying and fixing sign boards complete as per Technical Specifications Clause 801 and IRC:67-2012 including the cost of Posts, Fitting & fixing. Sheeting will be retro reflective type of high intensively grade and messages / boarders and as per the direction of Engineer-in-charge.				
(a)	Informatory Signs				
	(i) Facility Information (800 x 600)mm	No	8	in figure : Rs. in Word : Rupees	in figure : Rs.
	(ii) Direction Signs (1200 x 700 mm)	No	2	in figure : Rs. in Word : Rupees	in figure : Rs.
	(iii) Advance Direction (size 1800 x 1200mm) ,	No	2	in figure : Rs. in Word : Rupees	in figure : Rs.
	(iv) Re-Assurance Sign (1800 X 1200 mm) ,	No	1	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	(v) Destination Sign (1500 X 900 mm) ,	No	1	in figure : Rs. in Word : Rupees	in figure : Rs.
	(vi) Place Identification (1500 X 900 mm) ,	No	24	in figure : Rs. in Word : Rupees	in figure : Rs.
	(vii) Bus Lane Sign (450mm x 600mm)	No	31	in figure : Rs. in Word : Rupees	in figure : Rs.
	(viii) Route Marker Sign (450mm x 600mm)	No	10	in figure : Rs. in Word : Rupees	in figure : Rs.
	(ix) Other Informatory Signs (2100mm x 1500mm)	No	15	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
(b)	Cautionary Signs (triangular 900mm side)	No	8	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
(c)	Mandatory signs				
	(i) Circular 600mm dia	No	40	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
	(ii) Octagon 900 mm height	No	25	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
	(iii) Triangular 900 mm side	No	70	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
8.09	Providing & fixing retro - reflectorized road delineators complete as per drawing , Technical specifications clause 805 and as per the direction of Engineer-in-charge.				
	(i) Roadway delineator	No	450	in figure : Rs. in Word : Rupees	in figure : Rs.
	(ii) Hazard Marker	No	248	in figure : Rs. in Word : Rupees	in figure : Rs.
8.10	Providing and fixing RCC Guard post with reflective paint marking on the top 25mm width band complete including end anchorage as per drawing and Technical Specifications Clause 806 and as per the direction of Engineer-in-charge.	No	5403	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
8.11	<p>Providing and fixing of metal beam crash barrier made out of cold rolled steel strip W profile of 3 mm thick having a minimum yield strength of 2400 kg/sqcm, width of 313 mm and depth of corrugation as 83 mm hot dip galvanized of zinc coating @ 550 gm/sq.m. The post and spacer channel is made out of cold rolled channel 150x75x5 mm having minimum yield strength of 2400 kg/sqcm and hot dip galvanized of zinc coating @ 550 gm/sq.m. The total length of post shall be 1900 mm and minimum height of post above concrete foundation shall be 800 mm. The length of spacer channel shall be 330 mm. Job includes neatly fixing new post in cement concrete of M-20 grade complete (cost included) as directed by the Engineer including fasteners and fixing etc. complete. The spacing of the Steel posts shall be about 2 m. The guard rail reflectors of 100 mm dia circular made out of 2 mm thick GI sheet duly fixed with micro-prismatic type sheeting with Type 9 ASTM D 4956-01 standards @ every 5 meters. The work is to be executed as per drawing, Specifications and as per the direction of Engineer-in-charge.</p>	Lm	2,450.00	<p>in figure : Rs.</p> <hr/> <p>in Word : Rupees</p>	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
8.12	Providing and fixing Pedestrian guard rails in modules including painting with approved paint complete as per drawing and Technical Specification Clause 803,1008,1300 & 1700.	Lm	1,300.00	in figure : Rs. in Word : Rupees	in figure : Rs.
8.13	Supply of colour video coverage in digital format during construction as per Technical Specifications Clause 126 As per requirement and as per the direction of Engineer-in-charge.	Set	18	in figure : Rs. in Word : Rupees	in figure : Rs.
8.14	Providing and making rumble strips comprising of six rumbles in each set etc. complete at required places as per Drawing and as per the direction of Engineer-in-charge.	Lm	244.00	in figure : Rs. in Word : Rupees	in figure : Rs.
8.15	Providing road hump complete at required places as per Drawing and as per the direction of Engineer-in-charge.	No.	290.00	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount			
8.16	Providing and fixing of bi-directional retro reflective raised pavement markers of approved colour, quality & make conforming to ASTM D-4280 as per approved drawing and locations provided in the schedule made from injection moulded high impact polymer including cleaning, preparation of surface and fixing at position with approved quality adhesives including cost of all materials, labour, transportation, taxes, duties, sundries, T&P etc. complete as per the technical specifications and as per the direction of Engineer-in-charge.	No	4,459	<table border="1"> <tr> <td data-bbox="1205 194 1583 240">in figure : Rs.</td> <td data-bbox="1592 194 2092 240">in figure : Rs.</td> </tr> <tr> <td data-bbox="1205 240 1583 772">in Word : Rupees</td> <td data-bbox="1592 240 2092 772"></td> </tr> </table>	in figure : Rs.	in figure : Rs.	in Word : Rupees	
in figure : Rs.	in figure : Rs.							
in Word : Rupees								
<p>(Total no of items to be quoted: 32)</p> <p>Total for Bill No. 8</p> <p>(Carried forward to Summary, p. 65)</p>					Rs.			

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Amount
BILL NO.9 MAINTENANCE, REPAIR AND REHABILITATION					
9.01	Restoration of Rain Cuts (Restoration of rain cuts with soil, moorum, gravel or a mixture of these, clearing the loose soil, benching for 300 mm width, laying fresh material in layers not exceeding 250 mm and compacting with plate compactor or power rammers to restore the original alignment, levels and slopes) as per the direction of Engineer-in-charge.	Cum	142.00	in figure : Rs. in Word : Rupees	in figure : Rs.
9.02	Maintenance of Earthen Shoulder (filling with fresh soil) (Making up loss of material/irregularities on shoulder to the design level by adding fresh approved soil and compacting it with appropriate equipment.) as per direction of Engineer-in-charge.	Sqm	6,300.00	in figure : Rs. in Word : Rupees	in figure : Rs.
9.03	Maintenance of Earth Shoulder (stripping excess soil) (Stripping excess soil from the shoulder surface to achieve the approved level and compacting with plate compactor) as per direction of Engineer-in-charge.	Sqm	6,300.00	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount			
9.04	Filling Pot- holes and Patch Repairs with open - graded Premix surfacing, 20mm. (Removal of all failed material, trimming of completed excavation to provide firm vertical faces, cleaning of surface, painting of tack coat on the sides and base of excavation as per clause 503, back filling the pot holes with hot bituminous material as per clause 511, compacting, trimming and finishing the surface to form a smooth continuous surface, all as per clause 3004.2) and as direction of Engineer-in-charge..	Sqm	8,663.00	<table border="1"> <tr> <td>in figure : Rs.</td> <td rowspan="2">in figure : Rs.</td> </tr> <tr> <td>in Word : Rupees</td> </tr> </table>	in figure : Rs.	in figure : Rs.	in Word : Rupees	
in figure : Rs.	in figure : Rs.							
in Word : Rupees								
9.05	Removal of defective concrete, cleaning the surface thoroughly, applying the shotcrete mixture mechanically with compressed air under pressure, comprising of cement, sand, coarse aggregates, water and quick setting compound in the proportion as per clause 2807.1., sand and coarse aggregates conforming to IS: 383 and table 1 of IS: 9012 respectively, water cement ratio ranging from 0.35 to 0.50, density of gunite not less than 2000 kg/cum, strength not less than 25 Mpa and workmanship conforming to clause 2807.6. and as per direction of the Engineer-in-charge.	Sqm	85.00	<table border="1"> <tr> <td>in figure : Rs.</td> <td rowspan="2">in figure : Rs.</td> </tr> <tr> <td>in Word : Rupees</td> </tr> </table>	in figure : Rs.	in figure : Rs.	in Word : Rupees	
in figure : Rs.	in figure : Rs.							
in Word : Rupees								

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
9.06	Sealing of cracks/porous concrete by injection process through nipples/Grouting complete as per Technical Specification. and as per direction of the Engineer-in-charge	Kg	295.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
9.07	Construction of Temporary diversion including temporary cross drainage works for plying of traffic in both directions, where necessary and maintenance there of including traffic control and safety complete till the operation of the original road/structure including dismantling and clearing debris disposing off at suitable place as per Technical Specification Clause 112 and as per the direction of Engineer. (Construction up to GSB Top)	Lm	2,350.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
9.08	Providing Temporary passage for plying of traffic in both direction where ever necessary by widening existing pavement /strengthening roadway with Granular Sub-base course using crushed stone aggregate by providing the materials conforming to Grading-V of Table 400-1 and maintenance including traffic control and safety as per drawing and Technical Specification and as per the direction of Engineer.				
(i)	With New Material (Thickness 150 mm)	Cum	2,500.00	in figure : Rs.	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
				in Word : Rupees	
(ii)	With Salvaged Material obtained from dismantling roadway and /or diversion (Thickness 150 mm)	Cum	2,500.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
	(Total no of items to be quoted: 09) Total for Bill No. 9 (Carried forward to Summary, p. 65)				Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
BILL NO.10 ENVIRONMENTAL MITIGATION MEASURES					
10.01	Earthwork in excavation of foundation for structures complete as per the direction of Engineer-in-charge.	Cum	3,003.00	in figure : Rs. in Word : Rupees	in figure : Rs.
10.02	Sand filling below foundation of wing wall and return wall, pipe bed in layers not exceeding 150mm thick including All leads and lifts complete as per the direction of Engineer-in-charge.	Cum	890.00	in figure : Rs. in Word : Rupees	in figure : Rs.
10.03	Providing & laying in position Cement Concrete M-15 grade in foundation, levelling course etc. including centering and shuttering all complete and Technical Specification Sections 1500 and 1700 and as per the direction of Engineer-in-charge.	Cum	2,562.00	in figure : Rs. in Word : Rupees	in figure : Rs.
10.04	Providing weep holes in PCC toe wall with 100mm dia AC pipe at 1mtrs horizontal interval all complete and Technical Specification section. 2700& 2200 and as per the direction of Engineer-in-charge.	No	2,472	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

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Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
10.05	Providing & laying in position Reinforced cement concrete of M-20 Grade in foundation complete & Technical specification sections 1700, 2100 & 2200 and as per the direction of Engineer-in-charge.	Cum	28.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
10.06	HYSD(TMT) of Fe-500 grade bar reinforcement with anti-corrosive treatment coating complete and technical specifications clause 1600 and as per the direction of Engineer-in-charge.	Mt	1.39.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
10.07	Providing and laying filter material with moorum/ gravelly soil underneath pitching in slopes at water bodies and ponds as per technical specification Section 2500 and as per the direction of Engineer-in-charge.	Cum	1,483.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
10.08	Providing and laying stone pitching on slopes over filter media as per technical specification Section 2500 and as per the direction of Engineer-in-charge.	Cum	2,966.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
10.09	Stripping of top soil from borrow areas located in agriculture fields, storing at a suitable place, spreading and re-laying after taking the borrow earth to maintain fertility of the agricultural field, finishing it to the required levels and satisfaction of the farmer.(LS)Rate as per clause305 & MoRT&H analysis 3.21	Cum	15,000.00	in figure : Rs. in Word : Rupees	in figure : Rs.
10.10	Providing and maintenance of oil & Grease traps detailed as per the Drawing No OSRP/SH/ENV/06	No	1	in figure : Rs. in Word : Rupees	in figure : Rs.
10.11	Providing silt fence and sediment arrestor in the construction zones and stock piles of top soil by fixing wooden posts of 100mm diameter firmly to the ground at required intervals and placing closely woven fabric of coconut fibre reinforced with HDPE materials/suitable geo-synthetic fabric complete as per drawing, technical specifications including cost of all materials, labour, transportation, taxes, sundries, curing, T&P etc. and as per the direction of the Engineer.	Lm	1000.00	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Amount
	(Total no of items to be quoted: 11) Total for Bill No. 10 (Carried forward to Summary, p. 65)				Rs.

- (1) No. of corrections :-
- (2) No. of overwriting :-
- (3) No. of interpolations:-
- (4) No. of omissions :-

Signature of Bidder

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Daywork Materials

4. The Contractor shall be entitled to payment in respect of materials used for daywork (except for materials for which the cost is included in the percentage addition to labour costs as detailed heretofore), at the basic rates entered by him in the **Schedule of Daywork Rates: 2. Materials**, together with an additional percentage payment on the basic rates to cover overhead charges and profit, as follows:

- (a) the basic rates for materials shall be calculated on the basis of the invoiced price, freight, insurance, handling expenses, damage, losses, etc., and shall provide for delivery to store for stockpiling at the Site. The basic rates shall be stated in local currency, but payment will be made in the currency or currencies expended upon presentation of supporting doCumentation.
- (b) the additional percentage payment shall be quoted by the bidder and applied to the equivalent local currency payments made under (a) above. Payments under this item will be made in the following currency proportions:
 - (i) foreign: _____ percent (to be stated by the bidder);¹
 - (ii) local: _____ percent (to be stated by the bidder);
- (c) the cost of hauling materials for use on work ordered to be carried out as daywork from the store or stockpile on the Site to the place where it is to be used will be paid in accordance with the terms for Labour and Construction in this schedule.

¹ The bidder shall state the percentage in a single foreign currency equivalent and the exchange rates and official sources used.

Daywork Contractor's Equipment

5. The Contractor shall be entitled to payments in respect of Contractor's Equipment already on Site and employed on daywork at the basic rental rates entered by him in the **Schedule of Daywork Rates: 3. Contractor's Equipment**. Said rates shall be deemed to include due and complete allowance for depreciation, interest, indemnity, and insurance, repairs, maintenance, supplies, fuel, lubricants, and other consumables, and all overhead, profit, and administrative costs related to the use of such equipment.² The cost of drivers, operators, and assistants will be paid for separately as described under the section on Daywork Labour.³

6. In calculating the payment due to the Contractor for Contractor's Equipment employed on daywork, only the actual number of working hours will be eligible for payment, except that where applicable and agreed with the Engineer, the travelling time from the part of the Site where the Contractor's Equipment was located when ordered by the Engineer to be employed on daywork and the time for return journey thereto shall be included for payment.

7. The basic rental rates for Contractor's Equipment employed on daywork shall be stated in local currency, but payments to the Contractor will be made in currency proportions, as follows:

- (a) foreign: _____ percent (to be stated by the bidder).⁴
- (b) local: _____ percent (to be stated by the bidder).

² This is an example of wording to include overhead and profit, etc., in the daywork rates. A separate percentage addition could be used as for labour and materials.

³ An alternative, sometimes adopted for administrative convenience, is to include the cost of drivers, operators, and assistants in the basic rates for Contractor's Equipment. The last sentence of paragraph 5 should then be modified accordingly.

⁴ The bidder shall state the percentage in a single foreign currency equivalent and the exchange rates and official sources used.

Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
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Schedule of Daywork Rates: 1. Labour

D101	Labour (Un-skilled)	Day	100.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D 102	Mason (Special Class)	Day	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D103	Carpenter (Special Class)	Day	5.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D104	Mason (Second Class)	Day	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D105	Carpenter (Second Class)	Day	5.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
D106	Steelworker Erector	Day	15.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D107	Driver for vehicle up to 10 tons	Day	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D108	Operator for excavator, dragline, shovel or crane	Day	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D109	Operator for tractor with dozer blade or ripper	Day	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

Signature of Bidder

Signature of the Authorised Officer

Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
D110	Operator grader	Day	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D111	Operator in other construction equipment	Day	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D112	Chowkidar for watch & ward	Day	125.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
Subtotal					
D113	Allow _____percent of Subtotal for Contractor's overhead, profit, etc., in accordance with paragraph 3 (b) above				
Total for Daywork : Labour (12 Items) (Carried forward to Daywork Summary, p. <u>64</u>)					

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
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Schedule of Daywork Rates: 2. Materials

D201	Cement, ordinary Portland or equivalent in bags conforming to IS:269:1989 and IS 455:1989	MT	5.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D202	HYSD reinforcing bars upto 25 mm dia conforming to IS:1786:1989	MT	1.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D203	Bricks of class designation 75 as per IS:1077:1992	1000 Nos	5000 Nos	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D204	Anti Corrosive Bituminous paint	Ltr.	2.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
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D205	Enamel Paint of any shade & colour (IS:2932-1964 & IS 137-1975)	Ltr.	2.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D206	Coarse Sand as per IS 1542	Cum	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D207	R.R. Stone for masonry	Cum	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D208	Crusher broken stone aggregates up to 25 mm nominal size	Cum	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
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D209	Crusher broken stone aggregates Above 25 mm nominal size	Cum	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D210	Portable water at site	KL	1250.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D211	Gravel/ Moorum for Road work	Cum	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D212	Bitumen-VG-30	MT	1.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
Subtotal					
D213	Allow _____percent of Subtotal for Contractor's overhead, profit, etc., in accordance with paragraph 4 (b) above				

Total for Daywork : Materials (12 Items)
(Carried forward to Daywork Summary, p. 64)

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
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Schedule of Daywork Rates: 2. Contractor's Equipment

D301	Excavator, face shovel, or dragging including the cost of operator::				
D301.1	Up to and including 1 m ³	Hour	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D301.2	Over 1 m ³ to 2 m ³	Hour	5.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D301.3	Over 2 m ³	Hour	2.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
D302	Tractor, including bull or angle dozer including the cost of operator::				
D302.1	Up to and including 150 kW	Hour	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D302.2	Over 150 kW to 200 kW	Hour	5.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D302.3	Over 200 kW to 250 kW	Hour	2.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
D303	Tractor with ripper including the cost of operator::			in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D303.1	Up to and including 200 kW	Hour	5.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D303.2	Over 200 kW to 250 kW	Hour	2.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D304	Motor grader including the cost of operator:	Hour	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
D305	Crane- 5 tonne including the cost of operator:	Hour	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D306	Diesel Road Roller, or Vibratory Compactor upto 10 t including the cost of operator:	Hour	10.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D307	Trucks, or Truck tipper, or Truck with mounted water tank or truck with crane for removal of accidental vehicles including the cost of operator:.	Hour	25.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D308	Tractor with trolley, or tractor with water tanker trailer, tractor with ripper Tractor with hydraulic scraper including the cost of operator:				

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
	(a) upto 25 HP	Hour	10.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	(b) For 25-40 HP	Hour	5.00	in figure : Rs. in Word : Rupees	in figure : Rs.
D309	Bitumen mixture (10-14 Cft.) C.C including the cost of operator:	Hour	5.00	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
D310	Water pumping sets mounted on trolley (diesel driven)with inlet & outlet pipes including the cost of operator:.				
	a) Sets up to 10 HP	Hour	2.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	b) Sets 11 to 20 HP	Hour	2.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	c) Sets above 20 HP	Hour	2.00	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
D311	Generator sets mounted on trolley including the cost of operator:				
	a) Sets upto 5 Kva	Hour	2.00	in figure : Rs. in Word : Rupees	in figure : Rs.
	b) Sets 5-15 Kva	Hour	2.00	in figure : Rs. in Word : Rupees	in figure : Rs.
D312	Mobile Crane / Power winch including the cost of operator:	Hour	2.00	in figure : Rs. in Word : Rupees	in figure : Rs.

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
D313	Bull Dozer 100/110 Hp including the cost of operator:	Hour	2.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D314	Plate compactors including the cost of operator:	Hour	2.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D315	Jack hammers for dismantling including the cost of operator:	Hour	2.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	
D316	Utility Vehicles including the cost of driver:	Hour	2.00	in figure : Rs.	in figure : Rs.
				in Word : Rupees	

- (1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Item No.	Description	Unit	Nominal Quantity	Rate	Extended Amount
D317	Mini Hot Mix Plant (5TPH) including the cost of operator:	Hour	2.00	in figure : Rs. in Word : Rupees	in figure : Rs.
Subtotal					
D318	Allow _____percent of Subtotal for Contractor's overhead, profit, etc., in accordance with paragraph 5 above				
Total for Daywork : Contractor's Equipment (26 Items) (Carried forward to Daywork Summary, p. <u>64</u>)					

(1) No. of corrections :-
(2) No. of overwriting :-
(3) No. of interpolations:-
(4) No. of omissions :-

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Daywork Summary

	<i>Amount (Rs.)</i>	<i>% Foreign</i>
1. Total for Daywork: Labour		
2. Total for Daywork: Materials		
3. Total for Daywork: Contractor's Equipment		
Total for Daywork (Provisional Sum) (Carried forward to Summary, p. 65)		

- (1) No. of corrections :-
- (2) No. of overwriting :-
- (3) No. of interpolations:-
- (4) No. of omissions :-

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Grand Summary

<i>General Summary</i>	<i>Page</i>	<i>Amount</i>
BILL NO.1 : SITE CLEARANCE		
BILL NO.2 : EARTH WORKS		
BILL NO.3 : SUB-BASE AND BASE COURSES		
BILL NO.4 : BITUMINOUS COURSES		
BILL NO.5 : CULVERTS		
BILL NO.6 : BRIDGES		
BILL NO.7 : RETAINING WALL, DRAINAGE AND PROTECTIVE WORKS		
BILL NO.8 : ROAD SAFETY AND AMENITIES		
BILL NO.9 : MAINTENANCE, REPAIR AND REHABILITATION		
BILL NO.10 : ENVIRONMENTAL MITIGATION MEASURES		
Subtotal of Bills	(A)	
Total for Daywork (Provisional Sum)	(B)	
Bid Price (A+B) (Carried forward to Form of Bid)	(C)	

- (1) No. of corrections :-
 (2) No. of overwriting :-
 (3) No. of interpolations:-
 (4) No. of omissions :-

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