

ICB No: OSRP-CW- ICB-P02A

[INTERNATIONAL COMPETITIVE BIDDING]

Construction for Widening & Strengthening of Existing Carriageway to 2-lane road from Bhadark to Pirahat

(Km. 0/000 to Km. 27/500 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 | Quantity | Rate | Amount |
|----------|-------------|------|----------|------|--------|
|----------|-------------|------|----------|------|--------|

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. | Hectare | 18.00 | 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. | | | | |
| | a) Brick/ Stone Structures of dry or in lime/cement mortar | Cum | 121.00 | 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 | 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 | 314.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | ii)R.C.C. | Cum | 210.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |

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| Item No. | Description | Unit | Quantity | Rate | Amount |
|----------|-----------------------|------|----------|-------------------------------------|-----------------|
| | c) Hume pipe | Lm | 188.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | d) CC Kerb | Lm | 69.00 | 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 | Quantity | Rate | Amount |
|----------|---|------|----------|-------------------------------------|-----------------|
| | f) RCC railing | Lm | 55.00 | 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. | 140.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | ii) Cement Concrete | Sqm. | 20.00 | 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. 62) | | | | Rs. |

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

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6 of 62 of Vol III

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| Item No. | Description | Unit | 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 | 97,944.00 | 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 | 15,648.00 | 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. | Cum | 30,368.00 | 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. | Cum | 21,705.00 | 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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7 of 62 of Vol III

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| Item No. | Description | Unit | Quantity | Rate | Amount |
|----------|--|------|-------------|------------------|-----------------|
| 2.05 | 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. | Cum | 1,21,936.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 2.06 | 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 | 10,954.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 2.07 | Construction of embankment with suitable 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. | Cum | 68,561.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 2.08 | 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. | Cum | 2,500.00 | 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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8 of 62 of Vol III

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| Item No. | Description | Unit | Quantity | Rate | Amount |
|--|---|------|----------|------------------|-----------------|
| 2.09 | Earthwork with top soil for filling of median/island complete as per Technical Specification Clause 308 and as per the direction of Engineer. | Cum | 2,430.00 | 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. | Sqm | 2,101.00 | 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. 62) | | | | | Rs. |

- (1) No. of corrections :-
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| Item No. | Description | Unit | 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. | Cum | 36,286.00 | 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. | Cum | 2,711.00 | 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. 62) | | | | | Rs. |

- (1) No. of corrections :-
(2) No. of overwriting :-
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| Item No. | Description | Unit | 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. | Sqm | 15,363.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 4.02 | Providing Tack coat complete as per Technical Specification Clause 503 and as per the direction of Engineer. | | | | |
| | (a) Over granular Surface treated with primer | Sqm | 12,718.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 4.03 | Providing and laying 20 mm thick Close Graded Premix Mixed Seal Surfacing type A complete as per Technical Specification Clause 508. | Sqm | 12,718.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 4.04 | 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. | Cum | 24,253.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |

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11 of 62 of Vol III

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| Item No. | Description | Unit | Quantity | Rate | Amount | | | |
|--|---|------|-----------|---|-----------------|-----------------|------------------|--|
| 4.05 | 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 | 48,505.00 | <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 | | | | | | | | |
| (Total no of items to be quoted: 05) Total for Bill No. 4 (Carried forward to Summary, p. 62) | | | | | Rs. | | | |

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

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| Item No. | Description | Unit | 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. | Cum | 2,492.00 | 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. | Cum | 2,678.00 | 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. | Cum | 318.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |

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| Item No. | Description | Unit | 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.. | Cum | 387.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 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 | 273.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 5.06 | Cement Concrete M-15 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 | 104.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 5.07 | Reinforced Cement Concrete M-25 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 | 814.00 | 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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14 of 62 of Vol III

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| Item No. | Description | Unit | 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 | 49.00 | 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 | 160.00 | 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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| Item No. | Description | Unit | Quantity | Rate | Amount |
|----------|--|------|----------|-------------------------------------|-----------------|
| | | | 895.00 | in Word : Rupees | |
| 5.10 | Providing and laying filter material with moorum/ gravel underneath stone pitching in slopes complete as per drawings and technical specification section 2504, 2509, 2510 and as per the direction of Engineer. | Cum | 745.00 | 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 | Cum | 1,475.00 | 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. | Cum | 1,109.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 5.13 | Providing weep holes in box portion, | No | 1,068 | in figure : Rs. | in figure : Rs. |

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| Item No. | Description | Unit | 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 Word : Rupees | |
| 5.14 | Supplying and fixing Asphaltic Plug expansion joints complete as per Drawing and as per IRC: SP : 69-2005 and as per the direction of Engineer. | Lm | 168.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 5.15 | Reinforced cement concrete railing complete as per Drawing and Technical Specification Section 2700 (Including cost of Reinforcement) and as per the direction of Engineer. | Lm | 532.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 5.16 | 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. | Sqm | 3,258.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 5.17 | Synthetic enamel painting of culvert no. and span arrangement as per IRC - 7 - 1971 and as per the direction of Engineer. | Nos. | 98.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |

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| Item No. | Description | Unit | Quantity | Rate | Amount |
|---|---|------|----------|------------------|-----------------|
| 5.18 | Sand Filling in Foundation Trenches as per Drawing & Technical Specification Clause 304 and as per the direction of Engineer. | Cum | 315.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| (Total no of items to be quoted: 19) Total for Bill No. 5 (Carried forward to Summary, p. 62) | | | | | 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. | Cum | 2,876.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 6.02 | Providing and filling foundation and at the | Cum | 14.00 | in figure : Rs. | in figure : Rs. |

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| Item No. | Description | Unit | Quantity | Rate | Amount |
|----------|---|------|----------|------------------|-----------------|
| | 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 Word : Rupees | |
| 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. | Cum | 73.00 | 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 | 59.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 6.05 | Cement Concrete M-15 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 | 105.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |

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(3) No. of interpolations:-
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| Item No. | Description | Unit | Quantity | Rate | Amount |
|----------|---|------|----------|------------------|-----------------|
| 6.06 | Reinforced cement concrete M-25 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 of Engineer. | Cum | 302.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 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 | 21.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 6.08 | 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. | Sqm | 1,415.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 6.09 | Providing and fixing Drainage Spouts Complete as per drawing and Technical Specification Clause 2705 and as per the direction of Engineer. | No | 32.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 6.10 | Providing and laying Stone pitching in | Cum | 256.00 | 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 | Quantity | Rate | Amount |
|----------|---|------|----------|-------------------------------------|-----------------|
| | slopes complete as per drawing and Technical Specification Section 2500 and as per the direction of Engineer. | | | in Word : Rupees | |
| 6.11 | 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. | Cum | 128.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 6.12 | 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. | No | 48.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 6.13 | 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. | Cum | 422.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 6.14 | Supplying and fixing Strip Seal Expansion Joints Complete as per Drawing and direction of Engineer. | Lm | 131.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 6.15 | Synthetic enamel painting of culvert no. | No | 24.00 | 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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21 of 62 of Vol III

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| Item No. | Description | Unit | Quantity | Rate | Amount |
|----------|--|------|----------|-------------------------------------|-----------------|
| | and span arrangement as per IRC - 7 - 1971 and as per the direction of Engineer. | | | in Word : Rupees | |
| 6.16 | Providing and painting of flood gauge on substructure is fall height and 500mm width and as per the direction of Engineer. | Lm | 240.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 6.17 | Providing and laying 150mm dia. HDPE Service pipe as per drawing and as per the direction of Engineer. | Lm | 147.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 6.18 | 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. | Cum | 330.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 6.19 | Providing Sand Filling in Foundation Trenches as per Drawing & Technical Specification Clause 304, 305 and as per the direction of Engineer.. | Cum | 286.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |

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| Item No. | Description | Unit | Quantity | Rate | Amount |
|----------|---|------|----------|-------------------------------------|-----------------|
| 6.20 | Providing PCC in flooring as per Drawing & Technical Specification section 1700, 2500 and as per the direction of Engineer.. | | | | |
| | (a) M-15 Grade | Cum | 231.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (b) M-20 Grade | Cum | 77.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 6.21 | 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 . | Lm | 156.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (Total no of items to be quoted: 22) Total for Bill No. 6 (Carried forward to Summary, p. 62) | | | | 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 | 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. | Cum | 2,150.00 | 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. | Cum | 1,074.00 | 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. | Sqm | 92,696.00 | 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. | Lm | 17,430.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 7.05 | Providing and construction of Unlined earthen surface drain to proper line and | Cum | 37,570.00 | 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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24 of 62 of Vol III

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| Item No. | Description | Unit | Quantity | Rate | Amount |
|--|--|------|----------|-------------------------------------|-----------------|
| | grade as per Drawing and as per the direction of Engineer. | | | 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 | Cum | 110.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| (Total no of items to be quoted: 6) Total for Bill No. 7 (Carried forward to Summary, p. 62) | | | | | 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 | 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. | Lm | 1,313.00 | 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. | Lm | 1,280.00 | 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. | No | 70 | 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 | 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. | | | | |
| | a) No of (200) Hectometer Stone | No | 110 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | b) No of Kilometer stone | No | 22 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | c) No. of 5th Kilometer Stone | No | 6 | 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 | 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. | Sqm | 1,410.00 | 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. | No | 24 | 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. | | | | |
| | a) Lane line / Edge marking | Sqm | 10,562.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | b) Directional arrows and lettering etc. | Sqm | 360.00 | 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

28 of 62 of Vol III

Signature of the Authorised Officer

| Item No. | Description | Unit | 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. | | | | |
| (a) | Informatory Signs | | | | |
| | (i) Facility Information (800 x 600)mm | No | 16 | 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 | 3 | 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 | Quantity | Rate | Amount |
|----------|---|------|----------|-------------------------------------|-----------------|
| | (v) Destination Sign (1500 X 900 mm) , | No | 3 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (vi) Place Identification (1500 X 900 mm) , | No | 32 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (vii) Toll Booth (1500 X 900 mm) | No | 1 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (viii) Bus Lane Sign (450mm x 600mm) | No | 48 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (ix) Route Marker Sign (450mm x 600mm) | No | 10 | 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 | Quantity | Rate | Amount |
|----------|---|------|----------|-------------------------------------|-----------------|
| | (x) Other Informatory Signs (2100mm x 1500mm) | No | 20 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| (b) | Cautionary Signs (triangular 900mm side) | No | 12 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| (c) | Mandatory signs | | | | |
| | (i) Circular 600mm dia | No | 60 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (ii) Octagon 900 mm height | No | 50 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (iii) Triangular 900 mm side | No | 160 | 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 | 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. | | | | |
| | (i) Roadway delineator | No | 601 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (ii) Hazard Marker | No | 72 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | (iii) Object Marker | No | 40 | 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. | No | 984 | 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 | 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.</p> | Lm | 770.00 | <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 :-

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| Item No. | Description | Unit | 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 | 3,858.00 | 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. | Set | 18.00 | 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. | Lm | 443.00 | 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. | No. | 190.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 8.16 | Providing toll plaza as per drawing and technical specification and as per the direction of Engineer. | 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 :-

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| Item No. | Description | Unit | Quantity | Rate | Amount |
|--|---|------|----------|-------------------------------------|-----------------|
| 8.17 | 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. | No | 8020 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 8.18 | Supplying, erecting and commissioning 100kVA diesel powered generator of approved make for Toll Plaza at required place as per the direction & approval of Engineer including cost of all labour, transportation, taxes, duties etc. complete. | No | 1 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| (Total no of items to be quoted: 36) | | | | | |
| Total for Bill No. 8 | | | | | Rs. |
| (Carried forward to Summary, p. 62) | | | | | |
| | | | | | |

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

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| Item No. | Description | Unit | 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. | Cum | 120.00 | 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. | Sqm | 5,328.00 | 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. | Sqm | 5,328.00 | 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 | 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.. | Sqm | 4,950.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 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. | Sqm | 49.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 9.06 | | Kg | 200.00 | 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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| Item No. | Description | Unit | Quantity | Rate | Amount |
|----------|--|------|----------|------------------|-----------------|
| | Sealing of cracks/porous concrete by injection process through nipples/Grouting complete as per Technical Specification. and as per direction of the Engineer | | | 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 | 350.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| 9.07 | 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. |
| | | | | in Word : Rupees | |

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

Signature of Bidder

38 of 62 of Vol III

Signature of the Authorised Officer

| Item No. | Description | Unit | Quantity | Rate | Amount |
|---|--|------|----------|------------------|-----------------|
| (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. 62) | | | | | 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 | 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. | Cum | 3,196.00 | 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. | Cum | 959.00 | 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. | Cum | 2,756.00 | 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. | Nos | 2,663 | 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 | Quantity | Rate | Amount |
|----------|--|------|-----------|-------------------------------------|-----------------|
| 10.05 | 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. | Cum | 1,198.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 10.06 | Providing and laying stone pitching on slopes over filter media as per technical specification Section 2500 and as per the direction of Engineer. | Cum | 2,397.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 10.07 | Providing Cement paint two coats to the walls as per the direction of Engineer. | Sqm | 200.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| 10.08 | 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. |
| 10.09 | 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. |

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

Signature of Bidder

41 of 62 of Vol III

Signature of the Authorised Officer

| Item No. | Description | Unit | Quantity | Rate | Amount |
|---|--|------|----------|-------------------------------------|-----------------|
| 10.10 | 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. |
| (Total no of items to be quoted: 10) Total for Bill No. 10 (Carried forward to Summary, p. 62) | | | | | Rs. |

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

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C. Daywork Schedule

General

1. Reference should be made to Sub-Clause 13.6 of the General Conditions. Work shall not be executed on a daywork basis except by written order of the Engineer. Bidders shall enter basic rates for daywork items in the Schedules, which rates shall apply to any quantity of daywork ordered by the Engineer. Nominal quantities have been indicated against each item of daywork, and the extended total for Daywork shall be carried forward as a Provisional Sum to the Summary Total Bid Amount. Unless otherwise adjusted, payments for daywork shall be subject to price adjustment in accordance with the provisions in the Conditions of Contract.

Daywork Labour

2. In calculating payments due to the Contractor for the execution of daywork, the hours for labour will be reckoned from the time of arrival of the labour at the job site to execute the particular item of daywork to the time of return to the original place of departure, but excluding meal breaks and rest periods. Only the time of classes of labour directly doing work ordered by the Engineer and for which they are competent to perform will be measured. The time of gangers (charge hands) actually doing work with the gangs will also be measured but not the time of foremen or other supervisory personnel.

3. The Contractor shall be entitled to payment in respect of the total time that labour is employed on daywork, calculated at the basic rates entered by him in the **Schedule of Daywork Rates: 1. Labour**, together with an additional percentage payment on basic rates representing the Contractor's profit, overheads, etc., as described below:

- (a) The basic rates for labour shall cover all direct costs to the Contractor, including (but not limited to) the amount of wages paid to such labour, transportation time, overtime, subsistence allowances, and any sums paid to or on behalf of such labour for social benefits in accordance with [*country of Borrower*] law. The basic rates will be payable in local currency only.
- (b) The additional percentage payment to be quoted by the bidder and applied to costs incurred under (a) above shall be deemed to cover the Contractor's profit, overheads, superintendence, liabilities, and insurances and allowances to labour, timekeeping, and clerical and office work, the use of consumable stores, water, lighting, and power; the use and repair of staging, scaffolding, workshops, and stores, portable power tools, manual plant, and tools; supervision by the Contractor's staff, foremen, and other supervisory personnel; and charges incidental to the foregoing. Payments under this item shall be made in the following currency proportions:
 - (i) foreign: _____ percent (to be stated by bidder).
 - (ii) local: _____ percent (to be stated by bidder).

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 |
|----------|-------------|------|------------------|------|-----------------|
|----------|-------------|------|------------------|------|-----------------|

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 | 15.00 | 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 | 15.00 | 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 :-

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| Item No. | Description | Unit | Nominal Quantity | Rate | Extended Amount |
|----------|---|------|------------------|------------------|-----------------|
| D106 | Steelworker Erector | Day | 20.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D107 | Driver for vehicle up to 10 tons | Day | 15.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D108 | Operator for excavator, dragline, shovel or crane | Day | 15.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D109 | Operator for tractor with dozer blade or ripper | Day | 15.00 | 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 |
|--|--|------|------------------|------------------|-----------------|
| D110 | Operator grader | Day | 15.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D111 | Operator in other construction equipment | Day | 15.00 | 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>61</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 |
|----------|-------------|------|------------------|------|-----------------|
|----------|-------------|------|------------------|------|-----------------|

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-Fe-500 reinforcing bars upto 25 mm dia conforming to IS:1786:1989 | MT | 2.00 | 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. | 3.00 | 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 |
|----------|---|------|------------------|------------------|-----------------|
| D205 | Enamel Paint of any shade & colour (IS:2932-1964 & IS 137-1975) | Ltr. | 3.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D206 | Coarse Sand as per IS 1542 | Cum | 15.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D207 | R.R. Stone for masonry | Cum | 15.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D208 | Crusher broken stone aggregates up to 25 mm nominal size | Cum | 15.00 | 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 |
|----------|-------------|------|------------------|------|-----------------|
|----------|-------------|------|------------------|------|-----------------|

| | | | | | |
|--|--|-----|---------|------------------|-----------------|
| D209 | Crusher broken stone aggregates Above 25 mm nominal size | Cum | 15.00 | 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 | 15.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D212 | Bitumen-VG-30 | MT | 2.00 | 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. <u>61</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 |
|----------|-------------|------|------------------|------|-----------------|
|----------|-------------|------|------------------|------|-----------------|

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 | 15.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D301.2 | Over 1 m ³ to 2 m ³ | Hour | 10.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D301.3 | Over 2 m ³ | Hour | 3.00 | 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 | 15.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D302.2 | Over 150 kW to 200 kW | Hour | 10.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D302.3 | Over 200 kW to 250 kW | Hour | 3.00 | 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 | 10.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D303.2 | Over 200 kW to 250 kW | Hour | 3.00 | 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 | 10.00 | 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 | 3.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | b) Sets 11 to 20 HP | Hour | 3.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | c) Sets above 20 HP | Hour | 3.00 | 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 | 3.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| | b) Sets 5-15 Kva | Hour | 3.00 | in figure : Rs. in Word : Rupees | in figure : Rs. |
| D312 | Mobile Crane / Power winch including the cost of operator: | Hour | 3.00 | 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 | 3.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D314 | Plate compactors including the cost of operator: | Hour | 3.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D315 | Jack hammers for dismantling including the cost of operator: | Hour | 3.00 | in figure : Rs. | in figure : Rs. |
| | | | | in Word : Rupees | |
| D316 | Utility Vehicles including the cost of driver: | Hour | 3.00 | 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 | 3.00 | 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>61</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. 62) | | |

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

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61 of 62 of Vol III

Signature of the Authorized Officer

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 :-

Signature of Bidder

62 of 62 of Vol III

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