

# **Bid Addendum Report**

## **Development Cooperation Implementation Division**

Development Cooperation Implementation Division  
Babarmahal, Kathmandu  
Kathmandu  
Bagmati Province  
Nepal

**Addendum No: 1**

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**Invitation No: ACCESS/02/2080-81**

**Dated On: 21-12-2023 05:00**

Following changes are made in the bid document

Chapter: General Information

| Sl. No. | Relavant Clause No<br>/ Name     | Existing Clause              | Modified Clause     |
|---------|----------------------------------|------------------------------|---------------------|
| 1       | Clarification<br>Submission Date | Not Provided in Bid Document | 2024-01-30 15:30:00 |

## Chapter: Bill of Quantities

| 1 Provisional Sum            |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
|------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| Procument Item Details       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
| SL. No                       | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unit | Quantity | Unit Rate(in NPR)  | Amount(in NPR)           |                   |
| 1                            | Environmental monitoring, enhancement, mitigation works, environment awareness campaign, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 100]                                                                                                                                                                                                                                                                      | PS   | 1        | 5405000            | 5405000                  |                   |
| 2                            | Implementation of EMP as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 100]                                                                                                                                                                                                                                                                                                                                         | PS   | 1        | 5750000            | 5750000                  |                   |
| 3                            | Compensatory Tree Plantation and take care min 5 years in the location provided by the GoN authority, as per technical specification and to the satisfaction of Engineer all complete. [SS/SP 100]                                                                                                                                                                                                                                                                          | PS   | 1        | 45030534           | 45030534                 |                   |
| 4                            | Social compliance and safe guards: Compensation for relocation public and private Infrastructures including provision of required materials and accessories, additional assistance/training to vulnerable/IP groups, subsistence allowance, RP Implementation activities, including awareness and skill enhancement training for GESI implementation, IPDP implementation etc. as per technical specification and to the satisfaction of Engineer all complete. [SS/SP 100] | PS   | 1        | 50494437           | 50494437                 |                   |
| 5                            | Provision for Barbed Wire fencing of Community Forest [SS/SP 100]                                                                                                                                                                                                                                                                                                                                                                                                           | PS   | 1        | 7564849            | 7564849                  |                   |
| 6                            | Providing and fixing 1.2m high GI barbed wire/Smooth wire (Barbless) funnel fencing with 1.8m RCC posts 150mm X 150mm placed every 3m center-to-center founded in M15 grade cement concrete 0.6m below ground level provided with 4 horizontal lines fixed with GI staples, turn buckles etc including covering of RCC post,complete as per Drawing and Technical Specifications all complete. [SS/SP 3114]                                                                 | PS   | 1        | 9225827            | 9225827                  |                   |
| 7                            | Additional testing of material or works, municipalities taxes for approval of building design and drawings etc, as required by the Engineer.                                                                                                                                                                                                                                                                                                                                | PS   | 1        | 960000             | 960000                   |                   |
| 8                            | Provision for DAAB (Employer Portion)                                                                                                                                                                                                                                                                                                                                                                                                                                       | PS   | 1        | 110000000          | 110000000                |                   |
| 9                            | Emergency fund for PBM Works and Services                                                                                                                                                                                                                                                                                                                                                                                                                                   | PS   | 1        | 30000000           | 30000000                 |                   |
| 10                           | Relocation of existing electrical works, water supply and other public utilities including Supervision and Shutdown charge as per NEA rule, design drawings, technical specification and to the satisfaction of Engineer all complete [SS/SP 3116]                                                                                                                                                                                                                          | PS   | 1        | 282100000          | 282100000                |                   |
| 2 Construction work          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
| 2.1 Road Construction Work   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
| 2.1.1 Road Work General Item |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
| Procument Item Details       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
| SL. No                       | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                               |        |          |                    |                          |                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                              | Unit   | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Insurances for the loss of damage to works, plant, material, equipment, property and personnel injury or death, as per technical specification and to the satisfaction of Engineer all complete. [SS/SP 100]                                                                                                                                                  | LS     | 1.0      |                    |                          |                   |
| 2                        | Contractor's material testing laboratory at site [SS/SP 100]- Providing laboratory space, laboratory equipment, human resources, transportation facilities, maintaining and operating, etc. of the material testing laboratory at site, as per technical specification and to the satisfaction of Engineer all complete.                                      | Month  | 36.0     |                    |                          |                   |
| 3                        | Maintenance of road [SS/SP 100]-Routine/Regular Maintenance of road During Construction Period, as per technical specification and to the satisfaction of Engineer all complete (Chainage 590+000 -615+000).                                                                                                                                                  | Km-Mon | 900.0    |                    |                          |                   |
| 4                        | Providing required material and repair the the pot holes including removal of failed material, trimming and finishing the surface, back filling base material as required, applying tack coat on the sides and base , backfilling with hot bituminous Material and compaction as per Technical Specification and instruction of the Engineer. [SS 2903, 1203] | Sqm    | 7500.0   |                    |                          |                   |
| 5                        | Provision and installation of site information notice board, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 100]                                                                                                                                                                                    | Nos    | 2.0      |                    |                          |                   |
| 6                        | Prepare and supply of project record (video documentary) of the site before, during and after the site works as per technical specification and to the satisfaction of Engineer. [SS/SP 100]                                                                                                                                                                  | Set    | 1.0      |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                            | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 7                        | GIS Data Creation: Preparation and submission of as built drawing showing newly constructed road, drainage structures, existing utilities (electrical, telecommunication, water and sewer lines) in a format suitable for transferring to GIS database at the completion of each section, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 100]                     | Job  | 1.0      |                    |                          |                   |
| 8                        | Provision of safety clothing and equipment, first Aid/Medical facilities and other safety issues including COVID-19 and other communicable diseases for labor and contractor's employees including consultant's and employers personnel and visitors including awareness and training for safety implementation and Operation Health and Safety (OHS) requirements, all complete as instructed by the Engineer. [SS/SP 100] | LS   | 1.0      |                    |                          |                   |

### 3 Construction work

#### 3.1 Site Clearance

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Clearing and Grubbing of forest including uprooting, carrying and disposing of vegetation, grass, bush, sapling and trees of girth up to 300 mm(measured at a height of 1m above the ground level), as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]                                                                                                                                                           | Sqm  | 796035.0 |                    |                          |                   |
| 2                        | Felling Trees (the girth measured at a height of 1m above ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials and disposal of unserviceable materials to suitable place, all complete, as per specification, rules of Department of Forest and instruction of Engineer as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200] i) Above 300mm-600mm girth size | Nos  | 1643.0   |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |          |                    |                          |                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 3                        | Felling Trees (the girth measured at a height of 1m above ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials and disposal of unserviceable materials to suitable place, all complete, as per specification, rules of Department of Forest and instruction of Engineer as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- ii)<br>Above 600mm-900mm girth size     | Nos  | 1279.0   |                    |                          |                   |
| 4                        | Felling Trees (the girth measured at a height of 1m above ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials and disposal of unserviceable materials to suitable place, all complete, as per specification, rules of Department of Forest and instruction of Engineer as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- iii)<br>Above 900mm - 1800mm girth size | Nos  | 894.0    |                    |                          |                   |
| 5                        | Felling Trees (the girth measured at a height of 1m above ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials and disposal of unserviceable materials to suitable place, all complete, as per specification, rules of Department of Forest and instruction of Engineer as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- iv)<br>Above 1800mm - 2500mm girth size | Nos  | 121.0    |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |          |                    |                          |                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 6                        | Felling Trees (the girth measured at a height of 1m above ground level) including cutting of trunks and branches, removing the roots, stacking serviceable materials and disposal of unserviceable materials to suitable place, all complete, as per specification, rules of Department of Forest and instruction of Engineer as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- v) Above 2500mm girth size                                                                                | Nos  | 77.0     |                    |                          |                   |
| 7                        | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- i) Stone masonry in cement sand mortar | Cum  | 6131.72  |                    |                          |                   |
| 8                        | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- ii) Gabion masonry                     | Cum  | 871.6    |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                    |                          |                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 9                        | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- iii) Concrete (plain, Reinforced and prestresses) | Cum  | 3766.01  |                    |                          |                   |
| 10                       | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- iv) Dry stone masonry                             | Cum  | 227.36   |                    |                          |                   |
| 11                       | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- v) Hume Pipe upto 600mm dia                       | Rm   | 185.0    |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |          |                    |                          |                   |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 12                       | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- vi) Hume Pipe above 900mmdia | Rm   | 280.0    |                    |                          |                   |
| 13                       | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- vii) Brick masonry           | Cum  | 224.84   |                    |                          |                   |
| 14                       | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- viii) Steel Works            | Mt   | 44.82    |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |      |          |                    |                          |                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 15                       | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- ix) Railing/ fencing      | rm   | 7550.0   |                    |                          |                   |
| 16                       | Dismantling of existing structures like culverts, bridges, retaining walls and other structure comprising of masonry, cement concrete, wood work, steel work, including scaffolding wherever necessary, sorting the dismantled Material, disposal of unserviceable Material and stacking the serviceable Material with all lifts and lead at appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- x) Water Supply pipe line | Rm   | 34.0     |                    |                          |                   |
| 17                       | Scarifying Existing Bituminous Road Surface, to a depth of 50mm and disposal of scarified materials with all lifts and lead as per Drawing and instruction of the Engineer all complete. [SS/SP 1003]                                                                                                                                                                                                                                                                                                                                     | Sqm  | 225045.0 |                    |                          |                   |
| 18                       | Dismantling of Kilometer Stone: Dismantling of kilometer stone including cutting of earth, foundation and disposal of dismantled Material with all lifts and at appropriate location as instructed by the Engineer and back filling of pit, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200]- i) 5 Km Post                                                                                                                                                                   | Nos  | 10.0     |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                           |      |          |                    |                          |                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                          | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 19                       | Dismantling of Kilometer Stone: Dismantling of kilometer stone including cutting of earth, foundation and disposal of dismantled Material with all lifts and at appropriate location as instructed by the Engineer and back filling of pit, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 200] - ii) 1 Km Post | Nos  | 40.0     |                    |                          |                   |

#### 4 Construction work

##### 4.1 Earthworks

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                   |      |          |                    |                          |                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                  | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Roadway Excavation in all types of soil as per Drawing and technical specifications including removal of stumps and other deleterious matter, all lifts and lead, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 900]                                                                                   | Cum  | 277706.3 |                    |                          |                   |
| 2                        | Loosening, leveling and Compacting original ground supporting embankment to facilitate placement of first layer of embankment, scarified to a depth of 150 mm, mixed with water at OMC and then compacted by rolling so as to achieve dry density, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1000] | Sqm  | 796035.0 |                    |                          |                   |
| 3                        | Construction of Embankment with suitable. Providing, laying, spreading and compacting including slope compaction embankment with suitable material, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 909, 910]                                                                                            | Cum  | 879169.2 |                    |                          |                   |

#### 5 Construction work

##### 5.1 Retaining Structures

| Procurement Item Details |                  |      |          |                    |                          |                   |
|--------------------------|------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                            | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Earth work in Excavation of Foundation of structures, in all types of soil including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material, as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete. [SS/SP 900] | Cum  | 42200.9  |                    |                          |                   |
| 2                        | Providing and laying of Stone Soling/Packing Works for levelling in line and level, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2600]                                                                                                                                          | Cum  | 5109.36  |                    |                          |                   |
| 3                        | Providing and placing machine mixed Cement Concrete in M15/40 for PCC works with crushed stone aggregates including form works (F1 finish), compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete. [SS/SP 2000]                                        | Cum  | 3256.45  |                    |                          |                   |
| 4                        | Providing and placing machine mixed Cement Concrete in M25/20 for RCC works with crushed stone aggregate including form works (F 3 finish) and staging, compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                         | Cum  | 16674.8  |                    |                          |                   |
| 5                        | Providing and laying , fitting and placing HYSD bar reinforcement for RCC structure, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                                                                         | Mt.  | 813.87   |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 6                        | Providing laying and assembling machine made mechanically woven double twisted crates / mattress for Gabion structure for retaining earth with diaphragm including rolling, cutting weaving , placing, laying sides and diaphragms with binding wire placing in position including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires; and tying down the lid. Heavy zinc coated Hexagonal mesh type 100 mm x 120 mm, mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400] | Sqm  | 35030.88 |                    |                          |                   |
| 7                        | Providing and filling stone/boulder in gabion boxes/mattress etc.. Including dressing, bedding, bonding, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400]                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Cum  | 6369.25  |                    |                          |                   |
| 8                        | Providing, laying and fixing of Geotextile (filter fabric) as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Sqm  | 2827.5   |                    |                          |                   |
| 9                        | Providing and placing machine mixed Plum Concrete, compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Cum  | 2356.0   |                    |                          |                   |
| 10                       | Providing and fixing of Reinforced Soil Wall Structure with M35/20 Precast Reinforced Concrete Panel Facia with Flexible Para web as primary reinforcement for composite soil reinforcement system, made of polyester core with polyethylene coating with design life >100 years with light and heavy cavity connectors and covers, I bolts, EPDM Pads, Laying of Geo-textiles, drainage gallery filling with boulders etc. as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 301]                                                                                                                                          | Sqm  | 26591.75 |                    |                          |                   |

| Procurement Item Details                      |                                                                                                                                                                                                                                                                                                                                                                    |      |          |                    |                          |                   |
|-----------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                                        | Item Description                                                                                                                                                                                                                                                                                                                                                   | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 11                                            | Providing and laying Stone Masonry Work at the edge of the Road in 1:4 Cement mortar in structure complete, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2500]                                                                                                                                         | Cum  | 13882.84 |                    |                          |                   |
| <b>6 Construction work</b>                    |                                                                                                                                                                                                                                                                                                                                                                    |      |          |                    |                          |                   |
| 6.1 Cross Drainage and Animal Pass Structures |                                                                                                                                                                                                                                                                                                                                                                    |      |          |                    |                          |                   |
| Procurement Item Details                      |                                                                                                                                                                                                                                                                                                                                                                    |      |          |                    |                          |                   |
| SL. No                                        | Item Description                                                                                                                                                                                                                                                                                                                                                   | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                                             | Earth work in Excavation of Foundation of structures, in all types of soil including construction of shoring, bracing and dewatering, removal of stumps and other deleterious matter and backfilling with approved Material, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 900]                         | Cum  | 21651.78 |                    |                          |                   |
| 2                                             | Providing and laying of Stone Soling/Packing Works for levelling in line and level, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2600]                                                                                                                                                                 | Cum  | 5751.76  |                    |                          |                   |
| 3                                             | Providing and placing machine mixed Cement Concrete in M15/40 for PCC works with crushed aggregates including form works (F1 finish), compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                  | Cum  | 3122.62  |                    |                          |                   |
| 4                                             | Providing and placing machine mixed Cement Concrete in M25/20 for RCC works in sub-structure for box culverts pre cast/ cast in situ, with crushed stone aggregate including form works (F 3 finish) and staging, compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000/3100] | Cum  | 15279.94 |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |      |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 5                        | Providing and placing machine mixed Cement Concrete in M25/20 for RCC works in super-structure for box culverts pre cast/ cast in situ, with crushed stone aggregate including form works (F 3 finish) and staging, compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000/3100]                                                                                                                                                                                                                                                                                                               | Cum  | 2387.02  |                    |                          |                   |
| 6                        | Providing and placing machine mixed Cement Concrete in M30/20 for Box culverts pre cast/ cast in situ,with crushed stone aggregate including form works (F 3 finish) and staging, compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000/3100]                                                                                                                                                                                                                                                                                                                                                 | Cum  | 887.35   |                    |                          |                   |
| 7                        | Applying One Coat of self primer and Two or more Coat of Enamel Painting, as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1500]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Sqm  | 7096.59  |                    |                          |                   |
| 8                        | Providing and laying , fitting and placing HYSD bar reinforcement for Box culverts pre cast/ cast in situ, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000/3100]                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Mt.  | 2044.18  |                    |                          |                   |
| 9                        | Providing laying and assembling machine made mechanically woven double twisted crates / mattress for Gabion structure for retaining earth with diaphragm including rolling, cutting weaving , placing, laying sides and diaphragms with binding wire placing in position including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires; and tying down the lid. Heavy zinc coated Hexagonal mesh type 100 mm x 120 mm, mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400] | Sqm  | 30739.5  |                    |                          |                   |

| Procurement Item Details             |                                                                                                                                                                                                                                                                                                                                                                                              |      |          |                    |                          |                   |
|--------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                               | Item Description                                                                                                                                                                                                                                                                                                                                                                             | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 10                                   | Providing and filling stone/boulder in gabion boxes/mattress etc.. Including dressing, bedding, bonding, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400]                                                                                                                                                                      | Cum  | 5589.0   |                    |                          |                   |
| <b>7 Construction work</b>           |                                                                                                                                                                                                                                                                                                                                                                                              |      |          |                    |                          |                   |
| 7.1 Longitudinal Drainage Structures |                                                                                                                                                                                                                                                                                                                                                                                              |      |          |                    |                          |                   |
| Procurement Item Details             |                                                                                                                                                                                                                                                                                                                                                                                              |      |          |                    |                          |                   |
| SL. No                               | Item Description                                                                                                                                                                                                                                                                                                                                                                             | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                                    | Foundation Excavation for laying of pre cast drain and other works in all types of Soil by Mechanical Means Road way Excavation in all types of soil as per Drawing and technical specifications including removal of stumps and other deleterious matter, all lifts and lead, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 900] | Cum  | 34516.8  |                    |                          |                   |
| 2                                    | Providing and placing machine mixed Cement Concrete in M25/20 for RCC longitudinal drain pre cast/ cast in situ with crushed stone aggregate including form works (F 3 finish) and staging, compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000/3100]                                                 | Cum  | 26608.2  |                    |                          |                   |
| 3                                    | Providing and laying , fitting and placing HYSD bar reinforcement for RCC longitudinal drain pre cast/ cast in situ,as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000/3100]                                                                                                                                                      | Mt   | 1609.34  |                    |                          |                   |
| 4                                    | Providing and laying of Stone Soling/Packing Works for levelling in line and level, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2600]                                                                                                                                                                                           | Cum  | 8224.2   |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                          |      |          |                    |                          |                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                         | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 5                        | Providing and placing machine mixed Cement Concrete in M15/40 for PCC works with crushed aggregates including form works (F1 finish), compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                        | Cum  | 10118.16 |                    |                          |                   |
| 6                        | Providing and laying of M25 grade cement concrete Type A (L=300mm, Breadth=165mm, Height=325mm) Half Battered Kerb with 12 mm thick 1:3 cement sand mortar bedding and joints including foundation excavation levelling but excluding foundation concrete for foundation or sand gravel material, as per Drawing and Technical Specifications all complete. [SS/SP 1400] | Rm   | 102040.0 |                    |                          |                   |
| 7                        | Providing and placing machine mixed Cement Concrete in M20/40 for PCC works with crushed aggregates including form works (F1 finish), compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                        | Cum  | 1773.6   |                    |                          |                   |

## 8 Construction work

### 8.1 Pavement Works

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                |      |           |                    |                          |                   |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                               | Unit | Quantity  | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Construction of Subgrade by compacting Original Ground supporting sub-grade. Loosening of the ground up to a level of 250 mm below the sub-grade level, watered, graded and compacted in layers as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1000] | Sqm  | 718242.4  |                    |                          |                   |
| 2                        | Providing and laying Granular Sub-Base Material on prepared surface, mixing at OMC, and compacting to achieve the desired density, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1200]                                                              | Cum  | 172120.12 |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                             |      |           |                    |                          |                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                            | Unit | Quantity  | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 3                        | Providing, laying, spreading and compacting graded crushed stone aggregate to Wet Mix Macadam specification including premixing the Material with water at OMC laying in uniform layers by paver finisher in Base Course on well prepared surface and compacting to achieve required density as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1200] | Cum  | 112009.8  |                    |                          |                   |
| 4                        | Providing and applying Prime Coat MC30/70 by Mechanical Means with Hot Bitumen (including cutter) on prepared surface of granular base including cleaning of road surface and spraying by mechanical means as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1300]                                                                                   | ltr  | 668420.25 |                    |                          |                   |
| 5                        | Providing and applying Tack Coat with hot Bitumen (VG-30) by Mechanical Means at specified rate i) over the non-bituminous (base course and ii) bituminous surfaces (DBM) including cleaning as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1300]                                                                                                 | ltr  | 654654.75 |                    |                          |                   |
| 6                        | Providing and laying in uniform layers by paver finisher Dense Bituminous Macadam using crushed aggregates of specified grading, premixed with bituminous binder (VG-30) and filler, as per design drawings, technical specification and to the satisfaction of Engineer all complete . [SS/SP 1300]                                                                                                        | Cum  | 25434.99  |                    |                          |                   |
| 7                        | Providing and laying in uniform layers by paver finisher Bituminous Concrete / Asphalt Concrete using crushed aggregates of specified grading, premixed with bituminous binder (VG-30) and filler as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete. [SS/SP 1300]                                                                               | Cum  | 41489.99  |                    |                          |                   |

## 9 Construction work

### 9.1 Median Kerbs and Footpath

#### Procurement Item Details

| SL. No | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Unit | Quantity  | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
|--------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|--------------------|--------------------------|-------------------|
| 1      | Providing and laying Median and Island above road level with approved Material deposited including compaction as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1200]                                                                                                                                                                                                                                                      | Cum  | 29246.8   |                    |                          |                   |
| 2      | Supplying & laying of 1.5mm thick HDPE Geomembrane of standard quality over the prepared median base in proper line and slope including lining and joining the sheets with approved technology for 100% water tightness as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 3113]                                                                                                                                            | Sqm  | 104023.4  |                    |                          |                   |
| 3      | Providing and laying Subsurface Drain in the base of median with perforated pipe of 160 mm internal diameter of HDPE closely jointed, and wrapped with geo-textile, perforations ranging from 3 mm to 6 mm depending upon size of crushed stone filter material surrounding the pipe, with 150 mm bedding below the pipe and 300 mm cushion above the pipe, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 3100, 2404] | Rm   | 24174.6   |                    |                          |                   |
| 4      | Providing and laying of M25 grade cement concrete Type A (L=300mm, Breadth=165mm, Height=325mm) Half Battered Kerb with 12 mm thick 1:3 cement sand mortar bedding and joints including foundation excavation levelling but excluding foundation concrete for foundation or sand gravel material, as per Drawing and Technical Specifications all complete. [SS/SP 1400]                                                                                                         | Rm   | 199479.36 |                    |                          |                   |
| 5      | Providing and placing machine mixed Cement Concrete in M15/40 for PCC works with crushed aggregates including form works (F1 finish), compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                                                                                                                                | Cum  | 3476.6    |                    |                          |                   |

| Procurement Item Details                        |                                                                                                                                                                                                                                                                                                                                                          |      |          |                    |                          |                   |
|-------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                                          | Item Description                                                                                                                                                                                                                                                                                                                                         | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 6                                               | Providing and placing machine mixed Cement Concrete in M20/40 for PCC works with crushed aggregates including form works (F1 finish), compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                        | Cum  | 281.75   |                    |                          |                   |
| 7                                               | Providing and laying of Stone Soling/Packing Works for levelling in line and level, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2600]                                                                                                                                                       | Cum  | 422.63   |                    |                          |                   |
| 8                                               | Providing and laying Granular Sub-Base Material for base of footpath, mixing at OMC, and compacting to achieve the desired density, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1200]                                                                                                       | Cum  | 22699.86 |                    |                          |                   |
| 9                                               | Providing and laying min M25 multi blended Interlocking Concrete Block of 60mm thick with tectile blocks as required for footpath confirming NS standard over 50mm thick stone dust bed in footpath including excavation for sand bedding, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP1400] | Sqm  | 64638.8  |                    |                          |                   |
| 10                                              | Providing, fencing and erecting 50mm dia GI steel pipe foot path railing in 3 rows on precast M20 grade RCC vertical posts 1.8 metres high (1.2m above GL) with 3 holes 50mm dia for pipe, fixed 2 metres center to centre, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 3100]               | Rm   | 1120.0   |                    |                          |                   |
| <b>10 Construction work</b>                     |                                                                                                                                                                                                                                                                                                                                                          |      |          |                    |                          |                   |
| 10.1 Road Furniture and Traffic Safety Measures |                                                                                                                                                                                                                                                                                                                                                          |      |          |                    |                          |                   |
| Procurement Item Details                        |                                                                                                                                                                                                                                                                                                                                                          |      |          |                    |                          |                   |
| SL. No                                          | Item Description                                                                                                                                                                                                                                                                                                                                         | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |          |                    |                          |                   |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Providing and fixing of Retro-Reflectorized Warning, Regulatory and Informatory Sign made of high intensity grade sheeting, fixed over aluminum sheeting, mild steel channel iron post 75mmx40mmx6mm firmly fixed to the ground by means of properly designed foundation with M10/40 grade cement concrete 30cmx30cm,30cm below ground level as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] - i) Type A: 90 cm equilateral Traingle, with single MS Channel 75x40x6mm  | Nos  | 317.0    |                    |                          |                   |
| 2                        | Providing and fixing of Retro-Reflectorized Warning, Regulatory and Informatory Sign made of high intensity grade sheeting, fixed over aluminum sheeting, mild steel channel iron post 75mmx40mmx6mm firmly fixed to the ground by means of properly designed foundation with M10/40 grade cement concrete 30cmx30cm,30cm below ground level as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] - ii) Type B: 75 cm circular, with single MS Channel 75x40x6mm             | Nos  | 291.0    |                    |                          |                   |
| 3                        | Providing and fixing of Retro-Reflectorized Warning, Regulatory and Informatory Sign made of high intensity grade sheeting, fixed over aluminum sheeting, mild steel channel iron post 75mmx40mmx6mm firmly fixed to the ground by means of properly designed foundation with M10/40 grade cement concrete 30cmx30cm,30cm below ground level as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] - iii) Type C: 80 cm x 60 cm rectangular, with single MS Channel 75x40x6mm | Nos  | 110.0    |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 4                        | Providing and fixing of Retro-Reflectorized Warning, Regulatory and Informatory Sign made of high intensity grade sheeting, fixed over aluminum sheeting, mild steel channel iron post 75mmx40mmx6mm firmly fixed to the ground by means of properly designed foundation with M10/40 grade cement concrete 30cmx30cm,30cm below ground level as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] - iv) Type D: 60 cm x 45 cm rectangular, with single MS Channel 75x40x6mm                                                       | Nos  | 269.0    |                    |                          |                   |
| 5                        | Providing and fixing of Retro-Reflectorized Warning, Regulatory and Informatory Sign made of high intensity grade sheeting, fixed over aluminum sheeting, mild steel channel iron post 75mmx40mmx6mm firmly fixed to the ground by means of properly designed foundation with M10/40 grade cement concrete 30cmx30cm,30cm below ground level as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] - v) Type E: 50 cm x 100 cm rectangular hazard plate, with MS channel                                                           | Nos  | 85.2     |                    |                          |                   |
| 6                        | Providing and fixing of Retro-Reflectorized Warning, Regulatory and Informatory Sign made of high intensity grade sheeting, fixed over aluminum sheeting, mild steel channel iron post 75mmx40mmx6mm firmly fixed to the ground by means of properly designed foundation with M10/40 grade cement concrete 30cmx30cm,30cm below ground level as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] - vi) Type F: 130 cm x 90 cm Route Confirmation, Place Identification, Bridge Name Plate etc., with double MS Channel 75x40x6mm | Nos  | 104.0    |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                  |      |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                 | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 7                        | Providing and erecting galvanized Steel Trusses for Over Head signs with vertical and lateral clearance as per drawing and installed structural design requirements, as per design drawings, technical specification and to the satisfaction of Engineer all complete.[ SS/SP 1500]                                                                                                                              | Mt.  | 36.12    |                    |                          |                   |
| 8                        | Providing and erecting over head signs with a corrosion resistant 2mm thick aluminum alloy sheet reflectorized with microprismatic retro-reflective type over a designed support system, as per design drawings, technical specification and to the satisfaction of Engineer all complete.[ SS/SP 1500]                                                                                                          | Sqm  | 546.0    |                    |                          |                   |
| 9                        | Providing and laying of Hot applied thermoplastic compound at least 2mm thick including reflectorizing glass beads as per DOR Traffic sign manual/Specifications.The finished surface to be level, uniform and free from streaks and holes, as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1500]                                                        | Sqm  | 25831.66 |                    |                          |                   |
| 10                       | Providing and laying of Hot applied thermoplastic compound at least 5mm thick including reflectorizing glass beads as per DOR Traffic sign manual/Specifications.The finished surface to be level, uniform and free from streaks and holes, as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1500]                                                        | Sqm  | 772.2    |                    |                          |                   |
| 11                       | Providing and fixing of Road Stud 100x100mm,die-cast in aluminum, resistant to corrosive effect of salt and grit, fitted with lenses reflectors, installed in concrete or as phaltic surface by drilling hole 30mm upto a depth of 60 mm and bedded in suitable bituminous grout or epoxy mortar, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] | Nos  | 2497.0   |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |      |          |                    |                          |                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 12                       | Providing and Fixing Reinforced cement concrete M20 grade Kilometer Post including painting and printing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] - i) Standard Fifth kilometer post                                                                                                                                                                                                                       | Nos  | 12.0     |                    |                          |                   |
| 13                       | Providing and Fixing Reinforced cement concrete M20 grade Kilometer Post including painting and printing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] - ii) Standard one Kilometer post                                                                                                                                                                                                                        | Nos  | 52.0     |                    |                          |                   |
| 14                       | Providing and installation of 150 mm * 150 mm 1.5 m long RCC M20 grade (with F3 finish form works) Delineators (road way indicators, hazard markers, object markers), 80-100 cm high above ground level, painted black and white in 20 cm wide strips and with reflective element, buried or pressed into the ground as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500]                                               | nos. | 168.0    |                    |                          |                   |
| 15                       | Providing and Fixing Reinforced Cement Concrete Crash Barrier at the edges of the road, approaches to bridge structures and medians, constructed with M-20 grade concrete with HYSR reinforcement and dowel bars 25 mm dia, 450 mm long at expansion joints filled with pre-molded asphalt filler board, keyed to the structure on which it is built and installed as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] | Rm   | 80.0     |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |                    |                          |                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 16                       | Providing and erecting a "W" metal beam crash Barrier comprising of 3 mm thick corrugated sheet metal beam rail, 70 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m center to center, 1.8 m high, 1.1 m below ground/road level metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 330 mm long as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500]      | Rm   | 7667.0   |                    |                          |                   |
| 17                       | Providing and erecting a "Thrie" metal beam crash barrier comprising of 3 mm thick corrugated sheet metal beam rail, 85 cm above road/ground level, fixed on ISMC series channel vertical post, 150 x 75 x 5 mm spaced 2 m center to center, 2.1 m high, 1.3 m below ground/road level metal beam rail to be fixed on the vertical post with a spacer of channel section 150 x 75 x 5 mm, 546 mm long, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] | Rm   | 7887.0   |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |          |                    |                          |                   |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 18                       | Street Lighting Supply delivery, Installation, Testing and Commissioning of Solar Street Lights system & necessary fixing materials (Supply, delivery, erection, concreting of full galvanized street light pole, 9 Mtr. Single armed with dimensions as per drawing (approximate weight = 105 kg) , Solar Module- GP Mono-Crystalline, 150 W/24 V including pole mounted accessories, GEL-Tubular Battery, 150 Ah@ C10, 12 V including battery box and necessary accessories , LED Street Light 40W (above 100 Lumens per watt) with 20 Amps MPPT Charge Controller and D2D and dimming function and Balance of System ( 2.5 mm <sup>2</sup> / 1.5 mm <sup>2</sup> UV cables, nut Bolt and Concrete foundation etc with necessary accessories ) as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500]                              | Set  | 411.0    |                    |                          |                   |
| 19                       | Street Lighting Supply delivery, Installation, Testing and Commissioning of Solar Street Lights system & necessary fixing materials (Supply, delivery, erection, concreting of full galvanized street light pole, 9 Mtr. Double armed with dimensions as per drawing (approximate weight = 125 kg) , Solar Module- GP Mono-Crystalline, 2 sets of 150 W/24 V including pole mounted accessories, GEL-Tubular Battery, 2 sets of 150 Ah@ C10, 12 V including battery box and necessary accessories , LED Street Light 2 sets of 40W (above 100 Lumens per watt) with 20 Amps MPPT Charge Controller and D2D and dimming function and Balance of System ( 2.5 mm <sup>2</sup> / 1.5 mm <sup>2</sup> UV cables, nut Bolt and Concrete foundation etc with necessary accessories) as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1500] | Set  | 198.0    |                    |                          |                   |

| Procurement Item Details      |                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
|-------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                        | Item Description                                                                                                                                                                                                                                                                                                                                | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 20                            | Providing and installation of 1.2 m height Median Fencing for control of unauthorized crossing of the highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 3115]                                                                                                                   | Rm   | 12676.5  |                    |                          |                   |
| 21                            | Supplying, installing, testing, commissioning, remote monitoring and providing advice on operation and maintenance of Traffic Signal including foundation works, erection, cabling, conduits, accessories, as per design drawings, traffic sign manual of DOR and to the satisfaction of Engineer all complete. [SS/SP 1520]- i) Cross Junction | Nos  | 1.0      |                    |                          |                   |
| 22                            | Supplying, installing, testing, commissioning, remote monitoring and providing advice on operation and maintenance of Traffic Signal including foundation works, erection, cabling, conduits, accessories, as per design drawings, traffic sign manual of DOR and to the satisfaction of Engineer all complete. [SS/SP 1520] - ii) T-Junction   | Nos  | 1.0      |                    |                          |                   |
| 23                            | Providing and construction (including solar light system) of Bus Stop at bus bay, all complete as per design drawings and to the satisfaction of Engineer all complete.[SS/SP 1500]                                                                                                                                                             | Nos  | 24.0     |                    |                          |                   |
| <b>11 Construction work</b>   |                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
| 11.1 Miscellaneous Structures |                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
| Procurement Item Details      |                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
| SL. No                        | Item Description                                                                                                                                                                                                                                                                                                                                | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |      |          |                    |                          |                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. i) Earth work in excavation of foundation in all types of soil of structures, including construction of shoring and bracing, removal of stumps and other deleterious matter and backfilling with approved Material, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 900] | Cum  | 21836.78 |                    |                          |                   |
| 2                        | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. ii) Providing and laying of Stone Soling/Packing Works for levelling in line and level, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2600]                                                                                                                            | Cum  | 2487.76  |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 3                        | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. - iii) Providing and placing machine mixed Cement Concrete in M15/40 for PCC works with crushed aggregates including form works (F1 finish), compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000] | Cum  | 2512.47  |                    |                          |                   |
| 4                        | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete.- iv) Providing and laying of Stone Masonry Work in Cement Mortar 1:4 in Foundation, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2600]                                                                                       | Cum  | 1289.93  |                    |                          |                   |
| 5                        | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. - v) Providing and laying Brick Masonry Work in 1:4 Cement mortar in structure complete, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2500]                                                                                  | Cum  | 1125.0   |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |      |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 6                        | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete.- vi) Providing and placing machine mixed Cement Concrete in M25/20 for RCC works with crushed stone aggregate including form works (F 3 finish) and staging, compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]   | Cum  | 4088.06  |                    |                          |                   |
| 7                        | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. - vii) Providing and placing machine mixed Cement Concrete in M30/20 for RCC works with crushed stone aggregate including form works (F 3 finish) and staging, compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000] | Cum  | 201.01   |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 8                        | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. - viii) Providing and laying , fitting and placing HYSD bar reinforcement for RCC structure, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                                                                                                   | Mt.  | 435.18   |                    |                          |                   |
| 9                        | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. - ix) Providing and Laying Reinforced Cement Concrete Flush jointed Hume Pipe for drain works Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete. [SS/SP 700]- a) 600 mm internal dia. | Rm   | 70.0     |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 10                       | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundry wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are desmentalled during the extention of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. - ix) Providing and Laying Reinforced Cement Concrete Flush jointed Hume Pipe for drain works Providing and Laying Reinforced cement concrete NP3 Flush jointed pipe for culverts including fixing with cement mortar 1:2 as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete. [SS/SP 700]- b) 900 mm internal dia.                                                                                                                                                                                                                                                                                                                                                                                            | Rm   | 800.0    |                    |                          |                   |
| 11                       | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundry wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are desmentalled during the extention of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. - x) Providing laying and assembling machine made mechanically woven double twisted crates / mattress for Gabion structure for retaining earth with diaphragm including rolling, cutting weaving , placing, laying sides and diaphragms with binding wire placing in position including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires; and tying down the lid all complete as per technical specification, drawing and instruction of Engineer. Heavy zinc coated Hexagonal mesh type 100 mm x 120 mm, mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400] | Sqm  | 8800.0   |                    |                          |                   |

| Procurement Item Details                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
|-----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                                  | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 12                                      | Construction/Rehabilitation of facilities for road neighbor steps, approach to property, boundary wall, 90 and 60 cm dia Hume Pipe Culvert and box culverts of different size etc. and the structures which are dismantled during the extension of the Highway, as per design drawings, technical specification and to the satisfaction of Engineer all complete. - xi) Providing and filling stone/boulder in gabion boxes/mattress etc.. Including dressing, bedding, bonding, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400] | Cum  | 1600.0   |                    |                          |                   |
| <b>12 Construction work</b>             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
| 12.1 Nepal Telecom (NDCL) Related Works |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
| Procurement Item Details                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
| SL. No                                  | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                                       | Earthwork in Excavation of foundation of structures including construction of shoring and bracing removal of stumps and deleterious matter and Backfilling with approved material deposited including Compaction as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 900]                                                                                                                                                                                                                                                                   | Cum  | 14616.11 |                    |                          |                   |
| 2                                       | Construction of RCC (M20 grade) joint chamber of OFC joint (inner size 1mx 1mx1m, @1900m c/c) including Excavation and Backfilling, Compaction, Stone Soling, Cover Slab as per design drawings, technical specifications and to satisfaction of engineer all complete.                                                                                                                                                                                                                                                                                                                         | Nos. | 66.0     |                    |                          |                   |
| 3                                       | Supplying,Transporting,Placing and Fixing of 100mm diameter Medium type GI pipe at culverts, Bridge causeway etc as per design drawings, technical specification and to the satisfaction of engineer all complete.                                                                                                                                                                                                                                                                                                                                                                              | Rm   | 823.0    |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                  |      |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                 | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 4                        | Transporting from site yard, Laying, Fixing of 40/33 PL-HDPE duct pipe in line and level with necessary Fittings and laying of warning tape all complete as per design drawing, specification and satisfaction of engineer all complete. [NTC shall provide 40/33 PL-HDPE pipe and Fittings at site] [SS/SP 700] | Rm   | 50200.0  |                    |                          |                   |
| 5                        | Supplying, Transporting, Placing and Fixing of 6 inch dia HDPE pipe pressure of 6 kg/cm <sup>2</sup> at road crossing in line and level with necessary fittings all complete as per design drawing, specification and satisfaction of engineer all complete [SS/SP 700]                                          | Rm   | 1215.6   |                    |                          |                   |

### 13 Construction work

#### 13.1 Bridge Overpass and Animal Pass Structures Works

##### 13.1.1 FOUNDATION

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                    |      |          |                    |                          |                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                   | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Earthwork in Excavation for foundation of structure in all type of soil including shoring, strutting, bracing, dewatering and disposal with necessary haulage and lift, removal of stumps and other deleterious matter and backfilling in foundation and behind the aboutment with approved Material as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 900] | Cum  | 52267.27 |                    |                          |                   |
| 2                        | Providing and laying of Stone Soling/Packing Works for levelling in line and level, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2600]                                                                                                                                                                                                                 | Cum  | 2738.26  |                    |                          |                   |
| 3                        | Providing and laying Granular sub-base on prepared surface, mixing at OMC, and compacting to achieve the desired density, complete as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1200]                                                                                                                                                                  | Cum  | 1110.89  |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                    |      |          |                    |                          |                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                   | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 4                        | Providing and placing machine mixed Cement Concrete in M15/40 for PCC works with crushed aggregates including form works (F1 finish), compaction, curing, testing, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                                                                  | Cum  | 1463.82  |                    |                          |                   |
| 5                        | Providing and placing machine mixed Cement Concrete M30/20, with crushed stone aggregate including compaction, curing, testing and necessary lead, including necessary form works [F1 Finish] as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1800 and 2000]                                                                                              | Cum  | 12187.88 |                    |                          |                   |
| 6                        | Providing machine mixed Cement Concrete M35/20 for Pile, with crushed stone aggregate, and placing of concrete using hopper, tremie pipes, crane, compaction, curing, testing and necessary lead, as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 2000]                                                                                                    | Cum  | 9557.07  |                    |                          |                   |
| 7                        | Providing, boring and installing Bored Cast-in-situ RCC Pile including Installation of Permanent Steel Pile Casing as per Design Drawing excluding Reinforcement and Concrete, including all consumables, and removal of excavated earth with necessary lifts and lead as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1600] - i) Pile diameter - 1000 mm | Rm   | 2528.4   |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                     |      |          |                    |                          |                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                    | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 8                        | Providing, boring and installing Bored Cast-in-situ RCC Pile including Installation of Permanent Steel Pile Casing as per Design Drawing excluding Reinforcement and Concrete, including all consumables, and removal of excavated earth with necessary lifts and lead as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1600] - ii) Pile diameter - 1200 mm | Rm   | 6640.28  |                    |                          |                   |
| 9                        | Providing and laying , fitting and placing un-coated Mild steel / HYSD reinforcement in foundations as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                                                                                                                                  | Mt   | 2090.23  |                    |                          |                   |
| 10                       | Providing and driving Sheet Piles for the protection of existing structure upon the instruction from the Engineer and as per technical specification all complete. [SS/SP 1600]                                                                                                                                                                                                                                     | Sqm. | 4500.0   |                    |                          |                   |
| 11                       | Confirmatory drilling of Pedestrian Footbridge and Vehicular Underpass in all soils other than rock to a depth below ground level complete as directed by the Engineer. [SS/SP 3000]                                                                                                                                                                                                                                | RM   | 240.0    |                    |                          |                   |

#### 14 Construction work

##### 14.1 Bridge Overpass and Animal Pass Structures Works

##### 14.1.1 SUB-STRUCTURE

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                 |      |          |                    |                          |                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Providing and placing machine mixed Cement Concrete M30/20, with crushed aggregate with weep holes of 110 mm dia HDPE pipe including compaction, curing, testing and necessary lead, including necessary form works [F3 Finish] and staging as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1800/2000] | Cum  | 7970.96  |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                       |      |          |                    |                          |                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                      | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 2                        | Providing and laying , fitting and placing HYSD bar reinforcement in substructure complete as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                             | Mt   | 900.13   |                    |                          |                   |
| 3                        | Providing and filling with graded Pervious Filter Material behind abutment in layer with necessary watering and compaction, as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete.[SS/SP 900] | Cum  | 3241.21  |                    |                          |                   |
| 4                        | Providing, laying and fixing of Geotextile (filter fabric) as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400]                                                                             | Sqm  | 5401.78  |                    |                          |                   |

## 15 Construction work

### 15.1 Bridge Overpass and Animal Pass Structures Works

#### 15.1.1 SUPER STRUCTURE

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                            |      |          |                    |                          |                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                           | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Providing and placing machine mixed Cement Concrete M30/20 for Deck Slab with crushed aggregate including compaction, curing, testing and necessary lead, including necessary form works [F3 Finish] and Staggering as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1800 and 2000] | Cum  | 3106.48  |                    |                          |                   |
| 2                        | Providing and applying Tack coat with hot Bitumen (VG-30) at specified rate on the prepared non-bituminous/bituminous surfaces including cleaning as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1300]                                                                           | Ltr  | 9311.7   |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                  |      |          |                    |                          |                   |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                 | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 3                        | Providing and laying Bituminous concrete/ Asphalt concrete using crushed aggregates of specified grading, premixed with bituminous binder (VG-30) and filler as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1300]                                                                                                      | Cum  | 692.05   |                    |                          |                   |
| 4                        | Providing and placing machine mixed Cement Concrete M45/20 for Post tensioned Precast Main Girders, with crushed stone aggregates including compaction, curing, testing and necessary lead, including necessary form works [F3 Finish] and staging as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1800, 2000 and 2100] | Cum  | 1384.98  |                    |                          |                   |
| 5                        | Providing and placing machine mixed Cement Concrete M45/20 for Cross Girders, with crushed stone aggregate including compaction, curing, testing and necessary lead, including necessary form works [F3 Finish] as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1800 and 2000]                                          | Cum  | 191.89   |                    |                          |                   |
| 6                        | Providing and placing machine mixed Cement Concrete M30/20 for Main Girders, with crushed aggregate including compaction, curing, testing and necessary lead, including necessary form works [F3 Finish] and staging as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1800, 2000 and 2100]                               | Cum  | 1106.28  |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                      |      |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                     | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 7                        | Providing and placing machine mixed Cement Concrete M30/20 for Cross Girders, with crushed aggregate including compaction, curing, testing and necessary lead, including necessary form works [F3 Finish] and staging as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1800 and 2000]        | Cum  | 191.0    |                    |                          |                   |
| 8                        | Providing and placing machine mixed Cement Concrete M30/20 for Crash Barrier, with crushed stone aggregate including compaction, curing, testing and necessary lead, including necessary form works [F3 Finish] as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete. [SS/SP 1800 and 2000] | Cum  | 454.57   |                    |                          |                   |
| 9                        | Providing and Applying One Coat of self primer and Two or more Coat of Enamel Painting or equivalent as Exterior Coating as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1500]                                                                                                               | Sqm  | 2115.44  |                    |                          |                   |
| 10                       | Providing, fitting and fixing High Tensile Steel Wires/Strands (Tendons) including all accessories for stressing operation and grouting as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2100]                                                                                               | Mt   | 121.78   |                    |                          |                   |
| 11                       | Providing and laying , fitting and placing HYSD bar reinforcement in superstructure complete as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete. [SS/SP 2000]                                                                                                                             | Mt   | 806.95   |                    |                          |                   |
| 12                       | Lifting, Transporting (from yard to bridge site) and installation of the pre-cast bridge girder to the required line and level as shown in the drawing, as per technical specification and to the satisfaction of Engineer all complete. [SS/SP 2119].                                                                                               | Nos  | 38.0     |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                   |      |           |                    |                          |                   |
|--------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                  | Unit | Quantity  | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 13                       | Providing and fixing of Expansion Joints (Strip Seal Type) including necessary accessories, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1900]                                        | Rm   | 648.6     |                    |                          |                   |
| 14                       | Providing and fixing of Expansion Joints (Slab Seal Type) including necessary accessories, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1900]                                         | Rm   | 200.3     |                    |                          |                   |
| 15                       | Providing and fixing of POT-PTEE Bearing as per design drawings, technical specification and to the satisfaction of Engineer all complete. [1900]                                                                                                 | Nos  | 76.0      |                    |                          |                   |
| 16                       | Providing and fixing of Elastomeric Bearing as per design drawings, technical specification and to the satisfaction of Engineer all complete. [1900]                                                                                              | Nos  | 260.0     |                    |                          |                   |
| 17                       | Providing and fixing of Drainage Spouts as per design drawings, technical specification and to the satisfaction of Engineer all complete. [3100]                                                                                                  | Nos  | 534.0     |                    |                          |                   |
| 18                       | Providing and fixing of factory fabricated GI Pipe Railing as per design drawings, technical specification and to the satisfaction of Engineer all complete.[2200 and 3100]                                                                       | Kg   | 153401.61 |                    |                          |                   |
| 19                       | Providing and fixing of Steel Plates and other parts including utility hangers as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 2200]                                                      | Mt   | 154.13    |                    |                          |                   |
| 20                       | Providing, fabricating, assembling and erecting Structural Steel / steel Components including nut, bolts, gusset plate and Staging all complete as per design drawings, technical specification and to the satisfaction of Engineer. [SS/SP 2200] | Mt   | 157.49    |                    |                          |                   |

**16 Construction work****16.1 Bridge Overpass and Animal Pass Structures Works****16.1.1 Box Bridge/Over Pass/Animal Pass**

## Procurement Item Details

| SL. No | Item Description                                                                                                                                                                                                                                                                                                                                                   | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
|--------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| 1      | Providing and placing machine mixed Cement Concrete M25/20 for Box Bridge in sub-structure, with crushed stone aggregate including compaction, curing, testing and necessary lead, including necessary form works [F3 Finish] and staging as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1800 and 2000]   | Cum  | 6393.57  |                    |                          |                   |
| 2      | Providing and placing machine mixed Cement Concrete M25/20 for Box Bridge in super-structure, with crushed stone aggregate including compaction, curing, testing and necessary lead, including necessary form works [F3 Finish] and staging as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1800 and 2000] | Cum  | 1069.67  |                    |                          |                   |
| 3      | Providing and laying , fitting and placing HYSD bar reinforcement in substructure complete as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2000]                                                                                                                                                          | Mt   | 646.46   |                    |                          |                   |
| 4      | Providing and laying 12.5 mm thick cement plaster on ceiling surface with 1:3 cement sand mortar in perfect line and level including scaffolding, curing etc. as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1500]                                                                                        | Sqm  | 3112.86  |                    |                          |                   |
| 5      | Providing and Applying One Coat of self primer and Two or more Coat of Enamel Painting or equivalent as Exterior Coating as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1500]                                                                                                                             | Sqm  | 3112.86  |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                |      |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                               | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 6                        | Applying One Coat of self primer and Two or more Coat of Enamel Painting, as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 1500]        | Sqm  | 2489.62  |                    |                          |                   |
| 7                        | Providing, fabricating and fixing of MS Railing for Overhead Pedestrian crossing as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 2200] | Mt   | 67.48    |                    |                          |                   |

### 17 Construction work

#### 17.1 Bridge Overpass and Animal Pass Structures Works

##### 17.1.1 River Training and Protection Works

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                             |      |          |                    |                          |                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                            | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Earthwork in Excavation for foundation of structure in all type of soil including shoring, strutting, bracing, dewatering and disposal with necessary haulage and lift, removal of stumps and other deleterious matter and backfilling with approved Material as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 900] | Cum  | 6032.5   |                    |                          |                   |
| 2                        | Construction of Embankment with suitable material. Providing, laying, spreading and compacting including slope compaction embankment with borrow material, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1000]                                                                                                   | Cum  | 2708.91  |                    |                          |                   |

| Procurement Item Details                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |          |                    |                          |                   |
|-------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                                                | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 3                                                     | Providing laying and assembling machine made mechanically woven double twisted crates / mattress for Gabion structure for retaining earth with diaphragm including rolling, cutting weaving , placing, laying sides and diaphragms with binding wire placing in position including stretching; forming compartments; tying the sides and diaphragms with binding wire in each mesh; tying with bracing wires and tie wires; and tying down the lid all complete as per technical specification, drawing and instruction of Engineer.<br>Heavy zinc coated Hexagonal mesh type 100 mm x 120 mm, mesh wire 3 mm, selvage wire 3.9 mm, lacing wire 2.4 mm, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400] | Sqm  | 96414.78 |                    |                          |                   |
| 4                                                     | Providing and filling stone/boulder in gabion boxes/mattress etc.. Including dressing, bedding, bonding, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Cum  | 17529.96 |                    |                          |                   |
| 5                                                     | Providing, laying and fixing of Geotextile (filter fabric) as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2400]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Sqm  | 13124.0  |                    |                          |                   |
| 6                                                     | River Chanalization including debris clearance in all types of soil and disposal to the appropriate location as instructed by the Engineer, as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete. [SS/SP 2900, 900]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Cum  | 6500.0   |                    |                          |                   |
| <b>18 Construction work</b>                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |          |                    |                          |                   |
| 18.1 Bridge Overpass and Animal Pass Structures Works |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |          |                    |                          |                   |
| 18.1.1 Pile Testing Works                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |          |                    |                          |                   |
| Procurement Item Details                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |      |          |                    |                          |                   |
| SL. No                                                | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |

| Procurement Item Details |                                                                                                                                                                                                                                         |      |          |                    |                          |                   |
|--------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                        | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Conducting PDA-Pile Dynamic Analyzer test on working piles including analysis and reporting per bridge as per design drawings, technical specification, general practice and to the satisfaction of Engineer all complete. [SS/SP 1600] | Nos  | 30.0     |                    |                          |                   |
| 2                        | Conducting Static Pile load test on working piles including analysis and reporting per bridge as per design drawings, technical specification, general practice and to the satisfaction of Engineer all complete. [SS/SP 1600]          | Nos  | 12.0     |                    |                          |                   |

## 19 Construction work

### 19.1 Bridge Maintenance Works

#### 19.1.1 Deck Surface Parapet and Railing

| Procurement Item Details |                                                                                                                                                                                                                                                                               |      |          |                    |                          |                   |
|--------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                              | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Removal of existing asphaltic wearing coat asphaltic concert including disposal with all lift and lead as per design drawings, technical specification, general practice and to the satisfaction of Engineer all complete. [SS/SP 2700]                                       | Cum  | 48.44    |                    |                          |                   |
| 2                        | Providing and applying Tack Coat with hot Bitumen (VG-30) at specified rate on the prepared non-bituminous/bituminous surfaces including cleaning as per design drawings, technical specification and to the satisfaction of Engineer all complete all complete. [SS/SP 1300] | Ltr  | 139.91   |                    |                          |                   |
| 3                        | Providing and laying Bituminous concrete/ Asphalt concrete using crushed aggregates of specified grading, premixed with bituminous binder (VG-30) and filler as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1300]   | Cum  | 48.44    |                    |                          |                   |
| 4                        | Providing and replacement of Damaged Concrete Railing as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700]                                                                                                          | Rm   | 99.8     |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |      |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 5                        | Providing and replacement of Expansion Joints as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700]                                                                                                                                                                                                                                                                                                                                         | Rm   | 308.0    |                    |                          |                   |
| 6                        | Providing required parts and Rectification of Bearings, Cleaning of bearing through sand blasting followed by light air blasting and protection of metal surface with anti corrosion epoxy paint ensuring no sand remains after and noting that it doesnot loosen any bolts or anchor and doesnot degrade the bearing while cleaning along with greasing of rocker cum roller bearing as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700] | Nos  | 140.0    |                    |                          |                   |
| 7                        | Deck Slab Top - i) Repair of Deck Slab concrete by high strength non shrink micro concrete (M60) aplying epoxy bonding agent as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700]                                                                                                                                                                                                                                                          | Sqm  | 20.88    |                    |                          |                   |
| 8                        | Deck Slab Top - ii) Providing and Sealing of cracks/porous concrete (Deck Slab Top) by injection process through nipples/Grouting with Low viscosity epoxy injection resin as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700]                                                                                                                                                                                                            | Ltr  | 1448.86  |                    |                          |                   |
| 9                        | Deck Slab Bottom - i) Surface preparation with proper chipping hacking/sanding/wire brushing on damaged /concrete & concrete cover on spelled out area, cleaning of rusted rebar with mechanically or manually, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700]                                                                                                                                                                       | Sqm  | 13.14    |                    |                          |                   |
| 10                       | Deck Slab Bottom - ii) Providing and Sealing of cracks/porous concrete by injection process through nipples/Grouting complete as per Technical Specification. Cement Mortar (1:1) Grouting, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700]                                                                                                                                                                                           | Sqm  | 1.16     |                    |                          |                   |

| Procurement Item Details                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |                    |                          |                   |
|---------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                                                                          | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 11                                                                              | Deck Slab Bottom - iii)<br>Providing and application of gunite/shotcrete to repare of damaged concrete section/ concrete covers on slab , girder , beam etc with high early strength , low rebound sprayable thixotropic repair mortar mixed by machine, lead 30m (including 25% loss) average thickness of application-35 mm, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700]         | Sqm  | 0.68     |                    |                          |                   |
| 12                                                                              | Longitudinal and Cross Beam - i) Surface preparation with proper chipping hacking/sanding/wire brushing on damaged /concrete & concrete cover on spelled out area, cleaning of rusted rebar with mechanically or manually, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700]                                                                                                             | Sqm  | 0.86     |                    |                          |                   |
| 13                                                                              | Longitudinal and Cross Beam - ii) Providing and Sealing of cracks/porous concrete by injection process through nipples/Grouting complete as per Technical Specification. Cement Mortar (1:1) Grouting, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700]                                                                                                                                 | Sqm  | 0.26     |                    |                          |                   |
| 14                                                                              | Longitudinal and Cross Beam - iii) Providing and application of gunite/shotcrete to repare of damaged concrete section/ concrete covers on slab , girder , beam etc with high early strength , low rebound sprayable thixotropic repair mortar mixed by machine, lead 30m (including 25% loss) average thickness of application-35 mm, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2700] | Sqm  | 0.07     |                    |                          |                   |
| <b>20 Construction work</b>                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |                    |                          |                   |
| 20.1 Environmental Mitigation wildlife frindely Social and Bioengineering Works |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |                    |                          |                   |
| 20.1.1 Bio-engineering Works                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |                    |                          |                   |
| Procurement Item Details                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                       |      |          |                    |                          |                   |
| SL. No                                                                          | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                                      | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |

| Procurement Item Details                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |          |                    |                          |                   |
|---------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                                                                          | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                                                                               | Supply and Planting containerised Indigenous Tree and Shrub Seedlings, including pitting, transplanting, composting on toe of embankment slopes and on the footpath in urban area in plain areas. Pit size 30 cm diameter * 30 cm depth. Mix compost with soil and backfill into pit, to 1/4 of pit volume, as per design drawings, technical specification and to the satisfaction of Engineer all complete.[SS/SP 2800]                  | No   | 9220.0   |                    |                          |                   |
| 2                                                                               | Collection, preparation including site preparation and laying of live Palisade Construction, Brush Layering and Fascines using hardwood cuttings of selected species of min 1m length pleased in bundles to give 4 running meters of cutting per meter of Fascines, including backfilling of trench and careful compaction, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2800] | Rm   | 23590.0  |                    |                          |                   |
| 3                                                                               | Planting rooted grass slips on embankment slopes in plain areas, at spacing within the row. The first row is 0.75 m from the edge of the pavement and subsequent rows are spaced at intervals down the embankment, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2800]                                                                                                          | Sqm  | 43898.15 |                    |                          |                   |
| 4                                                                               | Providing and planting flowering plants and shrubs in centre verge/ median (200 plants and 800 shrubs in two rows in one km length of the road where width of verge/median is 3m and above, as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2800]                                                                                                                                 | Rm   | 24174.6  |                    |                          |                   |
| <b>21 Construction work</b>                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |          |                    |                          |                   |
| 21.1 Environmental Mitigation wildlife friendly Social and Bioengineering Works |                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |          |                    |                          |                   |
| 21.1.1 Performance Based Maintenance Works and Services                         |                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |          |                    |                          |                   |
| Procurement Item Details                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                            |      |          |                    |                          |                   |
| SL. No                                                                          | Item Description                                                                                                                                                                                                                                                                                                                                                                                                                           | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |

| Procurement Item Details |                                                                                                                                                                                                      |          |          |                    |                          |                   |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                     | Unit     | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Performance based maintenance works and services including all activities as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2900] i) Year#1   | km-month | 300.0    |                    |                          |                   |
| 2                        | Performance based maintenance works and services including all activities as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2900] ii) Year#2  | km-month | 300.0    |                    |                          |                   |
| 3                        | Performance based maintenance works and services including all activities as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2900] iii) Year#3 | km-month | 300.0    |                    |                          |                   |
| 4                        | Performance based maintenance works and services including all activities as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2900] iv) Year#4  | km-month | 300.0    |                    |                          |                   |
| 5                        | Performance based maintenance works and services including all activities as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 2900] v) Year#5   | km-month | 300.0    |                    |                          |                   |

## 22 Construction work

### 22.1 Environmental Mitigation wildlife frindely Social and Bioengineering Works

#### 22.1.1 Schedule of Day Works

| Procurement Item Details |                                                 |       |          |                    |                          |                   |
|--------------------------|-------------------------------------------------|-------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                | Unit  | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 1                        | Labour - i) Skilled Labour                      | M-day | 250.0    |                    |                          |                   |
| 2                        | Labour - ii) Unskilled Labour                   | M-day | 1000.0   |                    |                          |                   |
| 3                        | Material - i) RCC NP3 Hume Pipe 450mm Diameter  | Rm    | 800.0    |                    |                          |                   |
| 4                        | Material - ii) RCC NP3 Hume Pipe 600mm Diameter | Rm    | 800.0    |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                        |      |          |                    |                          |                   |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                       | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 5                        | Material - iii) RCC NP3 Hume Pipe 900mm Diameter                                                                                                                                                                                                       | Rm   | 500.0    |                    |                          |                   |
| 6                        | Material - iv) HDPE 4 kg/cm <sup>2</sup> Pipe 110 mm diameter                                                                                                                                                                                          | Rm   | 4000.0   |                    |                          |                   |
| 7                        | Material - v) Stone                                                                                                                                                                                                                                    | Cum  | 1000.0   |                    |                          |                   |
| 8                        | Material - vi) Cement                                                                                                                                                                                                                                  | Mt.  | 200.0    |                    |                          |                   |
| 9                        | Material - vii) Reinforcement (8,10,12,16,20,25mm)                                                                                                                                                                                                     | Mt.  | 100.0    |                    |                          |                   |
| 10                       | Material - viii) Aggregate( 10-40mm size)                                                                                                                                                                                                              | Cum  | 1500.0   |                    |                          |                   |
| 11                       | Material - ix) Sand                                                                                                                                                                                                                                    | Cum  | 1000.0   |                    |                          |                   |
| 12                       | Material - x) Machine made mechanically selvedged gabion crates of various sizes including binding wire, all complete                                                                                                                                  | Sqm  | 3000.0   |                    |                          |                   |
| 13                       | Plant/Equipment (The rates shall include all cost of operating on site as fuel, lubricant, driver and associated labour wages, overhead and profit. only time actually employed open the work shall be paid.) - i) Tipper ( 4- 6 m3 capacity )         | Hr.  | 500.0    |                    |                          |                   |
| 14                       | Plant/Equipment (The rates shall include all cost of operating on site as fuel, lubricant, driver and associated labour wages, overhead and profit. only time actually employed open the work shall be paid.) - ii) Truck ( 8-10 T capacity )          | Hr.  | 500.0    |                    |                          |                   |
| 15                       | Plant/Equipment (The rates shall include all cost of operating on site as fuel, lubricant, driver and associated labour wages, overhead and profit. only time actually employed open the work shall be paid.) - iii) Loader ( 1-1.5 m3 capacity )      | Hr.  | 300.0    |                    |                          |                   |
| 16                       | Plant/Equipment (The rates shall include all cost of operating on site as fuel, lubricant, driver and associated labour wages, overhead and profit. only time actually employed open the work shall be paid.) - iv) Excavator (&gt; 0.75 Cum capacity) | Hr.  | 300.0    |                    |                          |                   |

| Procurement Item Details |                                                                                                                                                                                                                                                          |      |          |                    |                          |                   |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|----------|--------------------|--------------------------|-------------------|
| SL. No                   | Item Description                                                                                                                                                                                                                                         | Unit | Quantity | Bidder's Rate(NPR) | Bidder's Rate (in words) | Total Amount(NPR) |
| 17                       | Plant/Equipment (The rates shall include all cost of operating on site as fuel, lubricant, driver and associated labour wages, overhead and profit. only time actually employed open the work shall be paid.) - v) Motor Grader (> 135 HP capacity)      | Hr.  | 500.0    |                    |                          |                   |
| 18                       | Plant/Equipment (The rates shall include all cost of operating on site as fuel, lubricant, driver and associated labour wages, overhead and profit. only time actually employed open the work shall be paid.) - vi) Vibratory Roller (> 10 ton Capacity) | Hr.  | 300.0    |                    |                          |                   |
| 19                       | Plant/Equipment (The rates shall include all cost of operating on site as fuel, lubricant, driver and associated labour wages, overhead and profit. only time actually employed open the work shall be paid.) - vii) Water Bowser (5000 ltr capacity)    | Hr.  | 1000.0   |                    |                          |                   |



Ministry of Physical Infrastructure and Transport  
Department of Roads  
Development Cooperation Implementation Division  
**Accelerating Trade and Transport Connectivity in Eastern South Asia (ACCESS), Nepal-Phase-1**  
**AMENDMENT ON REQUEST FOR BID DOCUMENTS**  
Contract No. ACCESS-DOR-W-BGC-ICB-01 (Comprising LOTS 1 and 2)  
AMENDMENT No.-1

Procurement of Works for Upgrading of Butwal-Gorusinghe -Chanauta Road and Bridges [CH: -590+000 Km to CH: 640+000 Km, East-West Highway]

Contract Identification No. **ACCESS-DOR-W-BGC-ICB-01 (Comprising LOTS 1 and 2)**

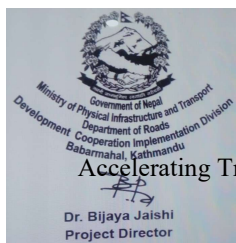
As per the provision of Instruction to Bidders ITB 7 and Bid Data Sheet (BDS), Clarification and Amendment No.-1 has been issued as per following:

| S.N | Amendment On                                                                                                                                                                                                                                                                                                                                                                                        | Amended As                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | The provision in Section IX - Particular Conditions of Contract (Part A – Contract Data)<br><br>Employer-Supplied Materials and Employer’s Equipment sub-clause 2.6:<br><br>Special Provisions under Sub-Clause 2.6 - Not Applicable.                                                                                                                                                               | The provision in Section IX - Particular Conditions of Contract<br><br>Employer-Supplied Materials and Employer’s Equipment sub-clause 2.6:<br><br>Special Provisions under Sub-Clause 2.6 - Applicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 2.  | The provision in Section IX - Particular Conditions of Contract (Part B – Special Provisions)<br><br>Sub-Clause 2.6 Employer-Supplied Materials and Employer’s Equipment - Not Applicable.                                                                                                                                                                                                          | The provision in Section IX - Particular Conditions of Contract (Part B – Special Provisions)<br><br>The following is added after the last paragraph of Sub-Clause 2.6:<br><br>“The Employer shall supply to the Contractor the Employer-Supplied Materials listed in the Specification 704, at the time(s) stated in the Specification (if not stated, within the times that shall be required to enable the Contractor to proceed with execution of the Works in accordance with the Programme).<br><br>When made available by the Employer, the Contractor shall visually inspect the Employer-Supplied Materials and shall promptly give a Notice to the Engineer of any shortage, defect or default in them.<br><br>After this visual inspection, the Employer-Supplied Materials shall come under the care, custody and control of the Contractor. The Contractor’s obligations of inspection, care, custody, and control shall not relieve the Employer of liability of any shortage, defect or default not apparent from a visual inspection.” |
| 3.  | The provision in Section IV - Bidding Forms<br><br>Table of Adjustment Data in Table A. Local Currency<br><br>Index code* E- Machinery and Equipment [Nepal Rastra Bank (National Wholesale Price Index – Construction Material)]                                                                                                                                                                   | The provision in Section IV - Bidding Forms<br><br>Table of Adjustment Data in Table A. Local Currency<br><br>Index code* E- Machinery and Equipment [Nepal Rastra Bank (National Wholesale Price Index – Machinery and Equipment)]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 4.  | The provision in Part II- Employer’s Requirements<br><br>Specifications for the works of Nepal Telecom                                                                                                                                                                                                                                                                                              | The section “Specifications for the works of Nepal Telecom” after section “3117 Relocation/Re-erection of Electrical works” of Part II- Employer’s Requirements has been deleted.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 5.  | The provision in Part II- Employer’s Requirements<br>“Add sub-section 704 Laying of PLHDPE pipe and Warning Tape.<br>(1) Transportation and laying of PL-HDPE pipe<br>The PLHDPE pipes, warning tape and necessary couplings will be provided by Employer. The Contractor has to transport PL-HDPE pipes and couplings from the storage yard of Nepal Telecommunication Limited in Kathmandu. After | The provision in Part II- Employer’s Requirements<br><br>“Add sub-section 704 Technical Specification for Laying of Permanent Lubricated High-Density Polyethylene (PL-HDPE) 40/33 Duct Pipe [For Nepal Telecom Works]<br><br>1.0 GENERAL:<br><br>All the works shall be undertaken in compliance with the tender specifications and with the due approval of The Employer of the procedures and drawings. Decision of THE EMPLOYER shall be final and binding in all matters without any cost implication whatsoever.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



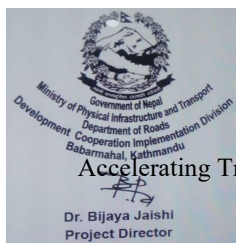
Ministry of Physical Infrastructure and Transport  
Department of Roads  
Development Cooperation Implementation Division  
Accelerating Trade and Transport Connectivity in Eastern South Asia (ACCESS), Nepal-Phase-1  
**AMENDMENT ON REQUEST FOR BID DOCUMENTS**  
Contract No. ACCESS-DOR-W-BGC-ICB-01 (Comprising LOTS 1 and 2)  
AMENDMENT No.-1

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| <p>excavating to required depth as shown in drawing the PL-HDPE pipe is to be laid in position and joined by socket (coupling). After laying and joining the pipe, back filling by excavated material with proper compaction is to be done layer by layer as directed by the Engineer. During back filling warning tape is to be placed at the depth as shown in drawing.</p> <p>(2) Measurement: The PLHDPE pipe, couplings, and warning tape transportation, earthwork excavation, laying, joining, placing, backfilling shall be measured in running meter of PLHDPE pipe laid.</p> <p>(3) Payment The PLHDPE pipe laying and joining including transportation, excavation, backfill shall be paid at their respective contract unit rate. The contract unit rate shall also cover the transportation and placing of warning tape also.”</p> | <p><b>1.2 ALIGNMENT OF THE TRENCH:</b></p> <p>Contractor should carry out detailed implementation plan of route in coordination with Nepal Telecom Engineer and submit the final implementation plan for approval before implementation. The final report shall include at least the following:</p> <ol style="list-style-type: none"> <li>A drawing of the proposed Telecom duct route indicating all details including bridges, culverts, causeways, over/under bridges, other important landmarks, etc.</li> <li>The distance of the Telecom duct route from the center of the median of road shall be indicated on the route maps as well as documented in tables.</li> <li>Location and number of manholes.</li> <li>Location of all turns, bends, crossings and major landmarks.</li> </ol> <p><b>1.3 TRENCHING: DEPTH &amp; WIDTH:</b></p> <p>The PL-HDPE duct shall be laid at a depth of minimum 1.3 m in all types of soil and section of trench shall be as specified in the drawings.</p> <p>PL-HDPE pipe, fittings (couplings) and warning tape shall be provided at contractor site yard by Nepal Telecom (NTC).</p> <p><b>1.4 LAYING OF DUCT IN SHALLOW AND CULVERT CROSSING:</b></p> <p>Excavation upto 1.3 m depth in all types of soil in the bed of shallow culvert of upto 10 meter span during dry bed conditions, laying of one way appropriate 100 mm nominal dia GI pipe (Grade-C) shall be done and PL-HDPE duct shall be pulled through the pipe.</p> <p><b>1.5 LAYING OF DUCT ALONG BRIDGES:</b></p> <p><b>1.5.1</b> In case it is essential to lay the duct on the bridge with 100 mm nominal dia GI pipe (Grade-C) pipe at suitable place clamped at spacing 1m to 1.5m and PL-HDPE duct shall be pulled through the pipe.</p> <p><b>1.5.2</b> Laying of one no. of 100 mm nominal dia GI pipes (Grade – C) pipe hung on the outside of parapet wall with suitable clamps. PL-HDPE duct shall be pulled through the GI pipe. All the clamps, nails, Nuts, and Bolts shall be hot dip galvanized material.</p> <p><b>1.6 ROAD CROSSINGS:</b></p> <p>Road crossings: Excavation in soil up to 1.3 m under bituminous and other paved surfaces. Laying of 150 mm HDPE pipe 6 kg/cm<sup>2</sup> shall be done and (40/33) two-way PL-HDPE pipe shall be laid through it.</p> <p><b>1.7 COUPLING OF DUCT SECTIONS AND INSTALLATION OF END PLUGS:</b></p> <p>The length of the permanently lubricated ducts should be at least 1 Km. The HDPE couplers should be installed simultaneously along with the laying of duct. In case the couplers cannot be installed to prevent entry of extraneous materials the end plugs shall be installed immediately after the duct is laid.</p> <p><b>1.8 DUCT LAYING METHODOLOGY:</b></p> <p><b>1.8.1 Duct Loading and Unloading:</b></p> <p>Different ways unloading the HDPE duct.</p> <ul style="list-style-type: none"> <li>Using a forklift.</li> <li>When using a boom truck to unload the duct coil, place a bar through the reel/coil arbor, then attach a chain to the bar DO NOT wrap the chain around duct to lift the coil.</li> <li>Open the tailboard of truck, carrying coil and put wooden or metallic planks at appropriate places, sliding from the floor of the truck to ground. Roll down over these planks to rest on ground.</li> <li>Duct coil can also be dropped from the floor of truck on sand or soft soil bed of about 12” height or more.</li> </ul> <p><b>1.8.2 Duct Mounting:</b></p> <ul style="list-style-type: none"> <li>Place “Flange No. 1” of collapsible Steel Reel on ground.</li> <li>Put Duct coil on “Flange No. 1” evenly in such a way that all holes of “Flange No.1” are accessible for fixing the traverse Bars from inner space of duct Coil.</li> </ul> |
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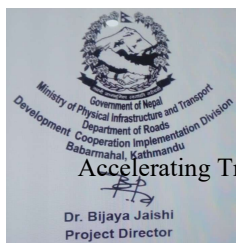
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|  | <ul style="list-style-type: none"> <li>Put all the traverse bars inside and fix it with bolts and nuts at their respective places.</li> <li>Place “Flange No. 2” on top of the coil and fix it in place by tightening them with traverse bars by means of bolts and nuts.</li> <li>Lift the reel with the coil and mount it on proper Jack Stand with the help of a Strong iron shaft passing through the center of the collapsible Reel.</li> </ul> <p>1.8.3 DUCT INSTALLATION:</p> <p>For installing duct in an open trench, use one of the methods described below:</p> <p>i) MANUAL LAYING:</p> <p>The method is efficiently used when installing single duct in an open trench or when they are many obstructions like trees etc along the route. Steps in manual laying are:</p> <ul style="list-style-type: none"> <li>Place the Jack Stand along the sides of the trench.</li> <li>Observe correct drum position i.e duct should uncoiled from the bottom not from top of the drum using decoiler.</li> <li>Driven the reel slowly to avoid over spinning of reel when you are pulling HDPE Duct installation.</li> <li>Unroll the duct to the length spacing the workers after every 15-20 mtrs.</li> <li>When encountering an obstruction, utility crossing or bore, pull the HDPE Duct beyond the Obstruction until you have enough duct to maneuver it through or under the obstruction and then re-pull the duct.</li> <li>Duct can be placed into open trench either directly from a drum or temporally laid along the side of trench and placed later on.</li> </ul> <p>ii) Procedure for duct laying using pulling devices and mechanical pulling machines:</p> <ul style="list-style-type: none"> <li>Mount duct coil on collapsible Steel Reel (Refer to Procedure for duct Mounting)</li> <li>Put the duct, wound on collapsible steel reel, on a rigid jack stand with the help of a strong iron shaft passing through the center of collapsible steel reel.</li> <li>Connect one end each of multiple ducts (already mounted on collapsible steel reel) to the pulling devices (pulling grip/pulling eye).</li> <li>Attach ducts (connected to pulling devices) to Multiple Pulling Harness.</li> <li>Connect the multiple pulling harness to suitable Mechanical Handling Machine (Excavator, Jeep etc.)</li> <li>Move the mechanical Handling Machine along the side of trench, while unwinding ducts from unwinding ducts from collapsible steel reel.</li> <li>Feed the ducts directly in to the trench without entanglement so that ducts are laid without criss crossing.</li> </ul> <p>iii) Placement of duct into an open trench:</p> <ul style="list-style-type: none"> <li>When placing the duct into an open trench, the bottom of the trench must be reasonably flat, free of horizontal and vertical bends, and free of stones and debris.</li> <li>If surrounding soil contains sharp stones or other materials, the duct should be insulated with a protective layer of fine sand (approximately 5 to 10 cm under and above the duct).</li> <li>Place the duct as straight as possible. In case of any directional changes, keep the bending radius as big as possible. A minimum bending radius, which is 12 times the O.D. of the duct, is to be maintained.</li> </ul> <p>iv) Vertical and Horizontal winding in the trench:</p> <ul style="list-style-type: none"> <li>Avoid sharp 90-degree bend.</li> <li>When duct takes to a vertical position, it is important to support the duct to prevent damage or kinking during restoration. To accomplish this, compact the soil under and behind the bend.</li> <li>Use backfill to make rapid changes more gradual.</li> <li>During transportation and storing at the site duct, it is necessary to seal the ends of the duct with proper End caps against water penetration or other impurities. Sand, soil, or water and other impurities significantly increase the friction between the duct and the cable outer sheet.</li> <li>When installing duct in an open trench from a drum, it should be uncoiled from the bottom and not from the top of the drum.</li> </ul> |
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|  | <ul style="list-style-type: none"> <li>When placing multiple ducts in a single trench simultaneously, it is important not to cross or twist the ducts inside the trench, when installing large quantities of ducts, it is possible to stack them one on top of the other in addition to side by side. However, positioning of the ducts must be designed in the planning stage to ensure clarity between ducts placement.</li> <li>When placement of the duct is over and connections of the duct ends are deferred to a later stage, it is advised to overlap duct ends by one meter from each side. Both ends of the duct must be properly sealed with end plug to prevent water, dust or any other foreign particle from entering into the duct.</li> <li>Duct can be placed into an open trench either directly from a drum or temporarily laid alongside the trench and placed later on. It is not recommended to hang ducts on fences, barriers, etc. because such treatment of the ducts at higher ambient temperatures can cause harm to the ideal form of the duct. In cold weather the duct can become brittle and freeze in those portions, which are in direct contact with the metal portion of the fence.</li> <li>When crossing the rivers and streams, duct is typically buried 160cm below the river floor (scour depth) must be executed as gradually as possible to ensure optimal cable installation lengths. Rights and wishes of the parties who win the river must be respected at all times.</li> <li>When crossing bridges, HDPE Telecom Duct can either be bound directly to the bridge frame or it can be pulled within a metal/DWC pipe fixed to the bridge frame. As always, dramatic bends should be avoided. An ideal installation has only gradual changes.</li> <li>Pump out water, if any, from the trench before placement of duct.</li> <li>Whenever tree roots are found in the trench make sure to lay the ducts under the tree roots and not the above.</li> <li>Place the duct as you walk along the trench as straight as possible.</li> <li>Tightly close the ends of the ducts with self-tightening End Plug so that no dirt, dust or moisture go into the duct.</li> </ul> <p>v) Duct Spacer:</p> <ul style="list-style-type: none"> <li>No spacer will be used however the duct pipes should be tied together with cable tie.</li> </ul> <p>vi) The installation of Plastic couplers:</p> <p>vii) Cut the duct at the same place where they overlap. Cutting should be done in such a way that the duct end matches with each other perfectly because it is very important for the coupling joints to be airtight. Proper pipe shears or cutters must be used for smooth cutting. Do not use a hacksaw to cut the duct.</p> <p>viii) Deburr both the inside and the outside edges of the duct with a deburring tool.</p> <p>ix) Apply a small amount of proper lubricant (liquid detergent) for better installation of plastic couplers.</p> <p>x) Tighten the plastic coupler with C-Spanner.</p> <p>xi) End Plug:</p> <ul style="list-style-type: none"> <li>Close the ends of duct with end plugs so that moisture, dirt and dust do not enter inside the duct.</li> <li>It seals the duct ends completely and prevents air, moisture from entering the duct, even when it is laid underground.</li> <li>Further interior surface of empty ducts also remains clean even after several years.</li> <li>Inspect the Neoprene Rubber for various defects such as pin holes, cuts, etc. In case of any such defect, replace the rubber gasket with a new one.</li> </ul> <p>xii) Simple plug:</p> <ul style="list-style-type: none"> <li>When the cable is already installed inside the duct, seal the duct with "SIMPLE PLUG".</li> <li>It also saves the cable from dust, dirt, moisture etc. And increases the life of cable, since the contact with moisture is eliminated.</li> </ul> <p>1.9 Duct Cutter And C-spanner:</p> |
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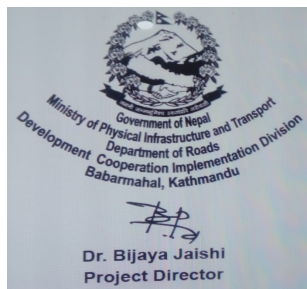
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|  |  | <p>Simple duct cutter: It cuts the duct and squarely up to 40 mm O.D Rotary Duct Cutter:<br/>It cuts the duct when the cable is inside up to 63mm O.D C-spanner: used to tighten the plastic couplers properly.</p> <p>1.10 How to Inspect Ducts After Placement:</p> <p>After the placement of PLHDPE duct in the trench Nepal Telecom shall inspect the quality and integrity of the duct placement by conducting following tests in coordination with the engineer (supervision consultant).</p> <p>1.11 Duct Integrity Test Procedure</p> <p>After laying the Duct network, PLHDPE ducts shall be tested for proper laying, crush, deformity and pressure testing. The Bidder shall have to remove the obstruction/deformity of any kind before handing over of the Duct network to the Employer. Following tests are to be carried out on the laid HDPE conduit:</p> <p>a. Duct Cleaning (Sponge Test)</p> <ul style="list-style-type: none"> <li>Compressed air should be blown through the duct in order to remove any dirt and water that has accumulated inside the duct with the help of suitable capacity Air Compressor. A short blast of air about 2-3 bar shall be blown through the duct for about 2 minutes.</li> <li>Sponge will be blown through the duct to thoroughly clean the duct from inside.</li> </ul> <p>b. Crush and Deformity Test</p> <ul style="list-style-type: none"> <li>This test is to be done to check the integrity of the duct. During installation, while backfilling process there is a possibility of flattening, twisting or kinking of the duct. This is also possible if the duct has not been uncoiled properly and is laid improperly.</li> <li>Place the wooden shuttle in the duct. Note: wooden shuttle should be 80% of inner diameter of the duct and 150 mm in length.</li> <li>Connect the Compressor pipe fitting to the duct.</li> <li>Place the flexible wire grip to the downstream end of the duct.</li> <li>Connect the air hose supply to the compressor and the equipment.</li> <li>Open the discharge valve of the compressor and blow the shuttle through the duct. Note: The shuttle will pass through at a very high speed and must be trapped in flexible wire grip to avoid accident and injury.</li> </ul> <p>c. Radio Shuttle Test</p> <p>In case Wooden shuttle gets stuck inside duct then Calibration is done by a simple gadget, which consists of a sender like a small transmitter (Radio Shuttle), which is blown through the ducts by a Compressed air. Radio Shuttle gets stuck at the same point where the wooden shuttle is, inside the duct. With the help of the detector, radio shuttle is detected and obstruction (kink/deformation) is removed until the whole duct section is clear for blowing.</p> <p>d. Pressure Testing</p> <p>This test is carried out to detect leakage in duct, if any. Seal one end of the duct with End Coupler and then through End Coupler with valve, feed the compressed air into the duct. Raise the pressure upto 5 Bar and then observe. After observing for 30 minutes, pressure drop of upto a max. 0.5 Bar is permissible.</p> <p>1.12 WARNING TAPE Laying:</p> <p>The warning tape should be laid continuously in the excavated trench as per the drawing and instruction of the NT Engineer.</p> <p>1.13 Specification of Joint Chamber / Manhole</p> <p>The design dimensions and other details of chamber/manhole shall be as per the design and drawing included in the bid document. The manhole shall be pre cast/cast in situ according to standard design and practices of NT Engineering. The manhole shall normally be provided at every 2 km. to accommodate jointing box or any monitoring equipment if so desired.</p> |
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| 3      | Concrete Mixer Truck: (> 5 m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 6                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 4      | Asphalt Plant (> 90 tonne/hour)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 5      | Asphalt Paver with Electronic Sensor (> 3.0 m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 6      | Crane (> 40 tonne)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 7      | Grader                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| S. No. | Equipment Type and Characteristics                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Minimum Number Required                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 1      | Pneumatic Roller (> 8 Ton)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 2      | Concrete Batch Plant (> 50 m <sup>3</sup> /hour)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 3      | Concrete Mixer Truck: (> 5 m <sup>3</sup> )                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 4      | Asphalt Plant (> 90 tonne/hour)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 5      | Asphalt Paver with Electronic Sensor (> 3.0 m)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 6      | Crane (> 40 tonne)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |
| 7      | Grader                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | 4                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |        |                                    |                         |   |                            |   |   |                                                  |   |   |                                             |   |   |                                 |   |   |                                                |   |   |                    |   |   |        |   |

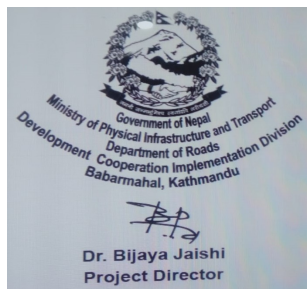


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Development Cooperation Implementation Division  
**Accelerating Trade and Transport Connectivity in Eastern South Asia (ACCESS), Nepal-Phase-1**  
**CLARIFICATION ON REQUEST FOR BID DOCUMENTS**  
**Contract No. ACCESS-DOR-W-BGC-ICB-01 (Comprising LOTS 1 and 2)**  
**CLARIFICATION NO. 1**

Procurement of Works for Upgrading of Butwal-Gorusinghe -Chanauta Road and Bridges [CH: -590+000 Km to CH: 640+000 Km, East-West Highway]  
Contract Identification No. **ACCESS-DOR-W-BGC-ICB-01 (Comprising LOTS 1 and 2)**

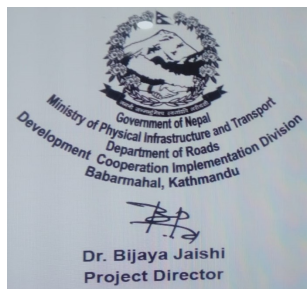
As per the provision of Instruction to Bidders ITB 7 and Bid Data Sheet (BDS), Clarification No. 1 has been issued in the table presented in tabular format hereunder:

| No. | Chapter/<br>Section           | Subject/<br>title/Item | Queries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Clarifications                                                                                                                                                                                                                                                                                                                                                                                                               |
|-----|-------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.  | Section-II –Bid<br>Data sheet | ITB 22.1               | <p>According to the Section-II –Bid Data sheet. ITB 22.1 of Bidding document. The bidder should submit their Bidding Document electronically through e-GP.</p> <p>But after we register in the e-GP portal <a href="https://www.bolpatra.gov.np">https://www.bolpatra.gov.np</a> choose this project to participate the bidding procession, filled all required documents and forms in PDF then upload in the e-GP system, we cannot find the suitable module to upload some forms (e.g. Letter of Bid, Power of Attorney, Technical proposal forms ELI-1.1, Form ELI-1.2, Form CON-2, Form CoN-3 Form CON)</p> <p>Will it be accepted that we submit the bidding document in original and copy form.</p> <p>If the bidding documents accepted in original and copy forms, Please Clarify the detailed requirements, for example; the required number of documents, the package requirement.</p> | <p>Please refer e-GP manual and contact PPMO office if necessary.</p> <p>It is to clarify that bid may be submitted in Hard copy (original and one copy), please refer ITB/BDS 20.1. Alternatively, the bidders may submit the bids by visiting electronic procurement portal <a href="http://www.bolpatra.gov.np">http://www.bolpatra.gov.np</a> of Public Procurement Monitoring Office (PPMO) of Government of Nepal.</p> |
| 2.  | Section-II –Bid<br>Data sheet | ITB 22.1               | Our company had paid the fee and purchased the bidding documents (Off line) according the instruction of "notice of Request for Bids", but we log on to the e-GP system, choose to participate this project procurement process and ready to upload our bidding documents, the system warning "Please pay bid document fee". How could us to prove we had paid the bid document fee and eliminate this warning marks?                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Please refer e-GP manual and contact PPMO office if necessary.                                                                                                                                                                                                                                                                                                                                                               |
| 3.  | Section VII E                 | Drawings               | We need detailed drawings of the bridge and bus stops from the Employer.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | For all drawings related to project, please refer DoR website link: <a href="https://www.dor.gov.np/home/publication/access-mpa-phase-1">https://www.dor.gov.np/home/publication/access-mpa-phase-1</a>                                                                                                                                                                                                                      |
| 4.  |                               |                        | There is description of the stone in the BoQ, but the proportion of soil and stone is not distinguished in the details. What is the ratio of soil and stone that needs to be provided?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Query is unclear.                                                                                                                                                                                                                                                                                                                                                                                                            |



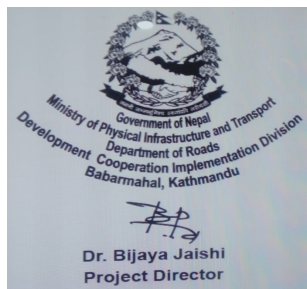
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| No. | Chapter/<br>Section | Subject/<br>title/Item | Queries                                                                                                                                               | Clarifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-----|---------------------|------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5.  | ITB 11.4            | DAAB                   | What are the requirements for the composition of DAAB personnel? Are they provided at the tender submission stage or during the implementation stage? | Please refer sub-clause 21.1 of GCC/PCC.<br>Please refer ITB 11.4.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 6.  | Section VII E       | Drawings               | Please Provide complete set of Drawings including detail drawings of Bridges.                                                                         | For all drawings related to project, please refer DoR website link:<br><a href="https://www.dor.gov.np/home/publication/access-mpa-phase-1">https://www.dor.gov.np/home/publication/access-mpa-phase-1</a>                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 7.  |                     |                        | Please provide quarry sites for material and their locations. Please also clarify whether EIA for quarry sites are completed or not?                  | Please refer IEE report chapter 3.9.2, Table 17 for the Potential source of construction materials (Quarry and Borrow locations). For IEE report, please refer link:<br><br><a href="https://www.dor.gov.np/home/publication/access-mpa-phase-1?page=2">https://www.dor.gov.np/home/publication/access-mpa-phase-1?page=2</a><br><br>Furthermore, it is clarified that the quarry sites provided in above report are only indicative. Bidders are advised to make necessary assessment and ensure the availability of the quarry sites, material available therein in respect of quality and quantity, these will be solely on the contractor's risk. |
| 8.  |                     |                        | Please clarify the status of EIA for the project.                                                                                                     | EIA is not required for this project as per prevailing law.<br>IEE report for the project is approved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9.  |                     |                        | Please clarify the status of tree cutting and utilities shifting.                                                                                     | It is clarified that utilities shifting and tree cutting is the item under BoQ to be executed by contractor. The contractor must have their proactive roles as stipulated in the contract. Employer will coordinate with the concerned agencies to cooperate the contractor and their activities under the contract as and wherever requested by the contractor. However, DoR has already initiated to work with relevant agencies to make the process easy after contractor initiate the works.                                                                                                                                                      |



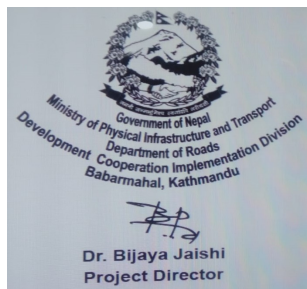
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| No. | Chapter/<br>Section | Subject/<br>title/Item | Queries                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Clarifications                                                                                                                             |
|-----|---------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| 10. |                     |                        | Please clarify whether we can use dismantled material which are usable at site or not?                                                                                                                                                                                                                                                                                                                                                                                            | Please refer Special Provisions to Standard Specifications Sub-Clause 202 “Dismantling Culverts, Bridges, Other Structures and Pavements”. |
| 11  |                     |                        | We would like to request you to Extend the Bid Submission deadline at least by 21 days for well preparation of our Bid.                                                                                                                                                                                                                                                                                                                                                           | Bid submission deadline remains unchanged.                                                                                                 |
| 12  |                     |                        | For lot-1 and Lot -2, Due to the fact that the bid bond needs to be issued by foreign banks and Nepalese banks, as a foreign company, we require a longer period of time. Therefore, we apply for a 29 days extension of the bid opening time to March 8, 2024.                                                                                                                                                                                                                   | Bid submission deadline remains unchanged.                                                                                                 |
| 13  |                     |                        | The contents of BoQ 1-6 and 2.1.1-6 are duplicated. Please clarify-----Providing and fixing 1.2m high GI barbed wire/smooth wire (Barbless) funnel fencing with 1.8m RCC posts 150mmX150mm placed every 3m center to center founded in M15 grade cement concrete 0.6m below ground level provided with 4 horizontal lines fixed with GI staples, turn buckles etc. including covering of RCC post, Complete as per Drawing and Technical Specifications all complete {SS/SP 3114} | These two items are totally different. There is no duplication.                                                                            |
| 14  | BoQ                 | Drawing                | BoQ 2.1.1-6 No detailed drawings available.                                                                                                                                                                                                                                                                                                                                                                                                                                       | For this item no drawing is required.                                                                                                      |
| 15  | Dismantling         | Sub Clause 202         | Is the dismantled rubble intended for use by the contractor, and are any related expenses deducted for reuse?                                                                                                                                                                                                                                                                                                                                                                     | Please refer Special Provisions to Standard Specifications Sub-Clause 202“Dismantling Culverts, Bridges, Other Structures and Pavements”.  |
| 16  | Dismantling         | Sub Clause 202         | Is the dismantled reinforced concrete circular pipe that needs to be reused or is it considered destructive demolition?                                                                                                                                                                                                                                                                                                                                                           | Please refer Special Provisions to Standard Specifications Sub-Clause 202“Dismantling Culverts, Bridges, Other Structures and Pavements”.  |
| 17  | Dismantling         | Sub Clause 202         | The transportation distance between the construction site and the spoil ground is unclear. Do engineers need to confirm the transportation distance on site?                                                                                                                                                                                                                                                                                                                      | Please refer Special Provisions to Standard Specifications Sub-Clause 202“Dismantling Culverts, Bridges, Other Structures and Pavements”.  |



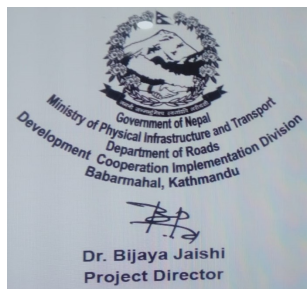
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| No. | Chapter/<br>Section | Subject/<br>title/Item | Queries                                                                                                                                                                                     | Clarifications                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----|---------------------|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 18  | Dismantling         | Sub Clause 202         | What does the dismantled steel component specifically refer to and whether it is reused?                                                                                                    | It refers to Gates, Shades, Manholes etc. Please refer Special Provisions to Standard Specifications Sub-Clause 202 "Dismantling Culverts, Bridges, Other Structures and Pavements".                                                                                                                                                                                                                             |
| 19  |                     |                        | According to the bidding drawings, there are at least two types of curbstones and there is only one type in the BoQ. Is there any omission in the BoQ?                                      | There is no omission in BOQ.                                                                                                                                                                                                                                                                                                                                                                                     |
| 20  |                     |                        | There are many types of prefabricated beams but the quantity is small and requires more frameworks investment. Can we optimize the design to reduce the number of prefabricated beam types? | No.                                                                                                                                                                                                                                                                                                                                                                                                              |
| 21  |                     |                        | If drillings piles encounter rock layers, can they be changed after on-site confirmation by the engineer, including cost changes?                                                           | It will be dealt by Engineer as per site condition and codal provision.                                                                                                                                                                                                                                                                                                                                          |
| 22  |                     |                        | There are no detailed drawings for the expansion joint, please provide detailed drawings.                                                                                                   | Please refer respective drawing details.                                                                                                                                                                                                                                                                                                                                                                         |
| 23  |                     |                        | Please provide specific mileage, location etc. for maintenance and repair construction of existing bridges.                                                                                 | Engineer will provide at the time of implementation.                                                                                                                                                                                                                                                                                                                                                             |
| 24  |                     |                        | Please provide specific parameter requirements for the shrubs to be planted, such as diameter, height. etc.                                                                                 | Please refer respective BoQ item.                                                                                                                                                                                                                                                                                                                                                                                |
| 25  |                     |                        | BoQ 2.1.4-9 of Lot 1 does not specify the strength of concrete.                                                                                                                             | Please refer Clause 2000 of Technical Specification (SS/SP).                                                                                                                                                                                                                                                                                                                                                     |
| 26  |                     |                        | BoQ 2.1.8-10 No relevant drawings available.                                                                                                                                                | Description in the BoQ is self-explanatory. If necessary, Engineer will provide the drawing at the time of implementation.                                                                                                                                                                                                                                                                                       |
| 27  |                     |                        | Does the employer provide free dumping sites? How far is it from the scene?                                                                                                                 | Please refer IEE report, Table 19 for spoil management sites and link is:<br><a href="https://www.dor.gov.np/home/publication/access-mpa-phase-1?page=2">https://www.dor.gov.np/home/publication/access-mpa-phase-1?page=2</a><br>Furthermore, it is clarified that the spoil management sites provided in above report are only indicative. It is the responsibility of contractor for proper spoil management. |



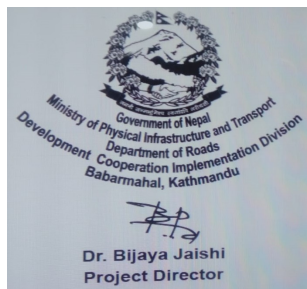
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| No. | Chapter/<br>Section | Subject/<br>title/Item | Queries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Clarifications                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|-----|---------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 28  |                     |                        | Relocation of existing electrical works, water supply and other public utilities, Does the employer coordinate with relevant government departments? Due to the delay in demolition caused by the approval of relevant government departments, we need to extend the corresponding construction period.                                                                                                                                                                                                                                                                                                          | It is clarified that utilities shifting is the responsibility of contractor under the Provisional Sum (PS) items. The contractor must have their proactive roles as stipulated in the contract. Employer will coordinate with the concerned agencies to cooperate the contractor and their activities under the contract.                                                                                                                                                                                                                                                  |
| 29  |                     |                        | We need the employer to provide a layout diagram of the existing underground pipelines and facilities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Layout diagram of existing underground pipelines and facilities are currently not available. The utilities under the surface of the existing pavement should be assessed by the contractor and work method statement to carry out the work under such circumstances to be purposed under the Provisional Sum (PS).<br><br>Employer will coordinate with the concerned agencies to cooperate the contractor and their activities under the contract.<br><br>Furthermore, it is clarified that the contractor must have their proactive roles as stipulated in the contract. |
| 30  |                     |                        | Is it allowed to submit the Lot-1 and Lot-2 bids separately by doing a venture with the different lead member or JV partner or not?<br><br><b>For example</b> -Suppose company A bid lot-1 by doing a venture with Company B, and Company A also bid lot 2 by doing a venture with company C.<br><br>If the bidder is allowed to submit the bid with the above scenario, then what will be the evaluation requirements and criteria for Company A?<br><br>Shall company A need to fulfill the combined criteria or need to meet the separate criteria as set out for Lot-1 and Lot-2 separately? Please clarify. | It is allowed to submit the Lot-1 and Lot-2 bids separately by doing a venture with the different lead member or JV partner subject to there is no conflict of interest as per ITB 4.2. Further, there shall be no relationship with another bidder pursuant to ITB 4.2(d).<br><br>Company 'A' needs to fulfill the combined requirement of the Evaluation and Qualification criteria.                                                                                                                                                                                     |
| 31  |                     |                        | Does a bid-related document in the English Language need to be apostilled or notarized? foreign companies bid documents other than English can be translated from the authorized agency of Nepal (Bishwa Bhasa Campus or another agency of Nepal) or not? please Clarify.                                                                                                                                                                                                                                                                                                                                        | Please refer to footnote 9 of the Section-III Evaluation and Qualification criteria. Accurate translation from recognized agencies or a Notary will be acceptable. Please refer to ITB 10.1.                                                                                                                                                                                                                                                                                                                                                                               |



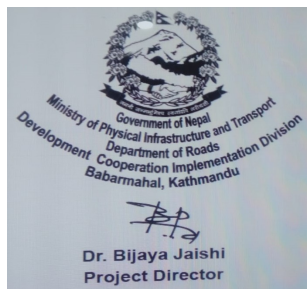
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| No. | Chapter/<br>Section | Subject/<br>title/Item | Queries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Clarifications                                                                                                                                                                                          |
|-----|---------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 32  | Section VII E       | Drawings               | Request to upload design and drawings of the project at e-portal.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | For all drawings related to project, please refer DoR website link: <a href="https://www.dor.gov.np/home/publication/access-mpa-phase-1">https://www.dor.gov.np/home/publication/access-mpa-phase-1</a> |
| 33  |                     |                        | Dollar inflation will be applied or not for the evaluation of Turnover and specific experiences? if applied what will be the source for the dollar inflation. please clarify.                                                                                                                                                                                                                                                                                                                                                            | It is clarified that inflation in the USD shall not be considered. For further detail please refer Section III–Evaluation and Qualification Criteria of Bidding Document.                               |
| 34  |                     |                        | Pursuant to Section III Evaluation and qualification criteria 4.2(B), there is a requirement for a multi-lane bridge. should it require a four-lane bridge? double lane bridge fulfill the multi-lane requirement or not? Please clarify                                                                                                                                                                                                                                                                                                 | Yes, double lane bridge fulfills the multi-lane requirement.                                                                                                                                            |
| 35  |                     |                        | There is a provision that the contractors' representatives/Contract manager should be a full-time employee from the lead member in the case of JV. Can be this relaxed to allow a member from either JV partner who is not a lead member to act as contractors' representative /Contract manager?                                                                                                                                                                                                                                        | Bid Documents provision in this regard remains unchanged.                                                                                                                                               |
| 36  |                     |                        | When shall the second performance security with the value of 1% of the accepted contract amount having validity up to the issue of the performance certificate of phase 2 plus 28 days be submitted? Is it after the commencement of phase 2 performance-based maintenance? The eight years is long period and the bank may refuse to issue a Bank guarantee for such a long time period. Therefore, clarify if you agree on proposal of submitting before the start of PBM Period.                                                      | Bid Documents provision in this regard remains unchanged.                                                                                                                                               |
| 37  |                     |                        | As per PCC 4.2, the validity of performance security with value of 7.5% of accepted contract amount shall be until completion of defect notification period (DNP) plus 28n days whereas as per PCC 4.2.3 this performance security shall be released 28 days after issuance of performance certificate. As the performance certificate is issued 28 days after expiration of DNP, the performance security should be released 28 days after expiration of DNP. As per the prevailing procurement rule, the PB is 5% can this be reduced. | Bid Documents provision in this regard remains unchanged.                                                                                                                                               |



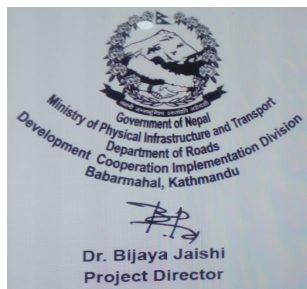
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|-----|---------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| 38  |                     |                        | As the Extension of time is granted for delays not attributable to the contractors. the early completion bonus/incentives as per the sub clause 13.2.1 should be valid for an extended period as well.                                                                         | Bid Documents provision in this regard remains unchanged.                                                                  |
| 39  |                     |                        | The phrase "at sole discretion of Employer" for incentives payment should be removed. This shall create confusion and dispute as the sole discretion to the employer would be an incentive to delay the project and deprive early completion bonus.                            | Bid Documents provision in this regard remains unchanged.                                                                  |
| 40  |                     |                        | The percentage rate to be applied to Provisional Sums for overhead charges and profit should be 15% Overhead and 5% profit instead of 5% as specified in Sub Clause 13.4 (b) (ii) of PCC. This is the standard overhead and profit envisaged by the Procurement Rule Schedule. | Bid Documents provision in this regard remains unchanged.                                                                  |
| 41  |                     |                        | Does PCC Sub Clause 14.8 mean that the financial charges for delayed payment shall be 2% above the average bank short term lending rate to prime burrowers prevailing for the currency of payment at the place for payment? What about 3% plus.                                | Bid Documents provision in this regard remains unchanged.                                                                  |
| 42  |                     |                        | The place of Arbitration should be Kathmandu, Nepal.                                                                                                                                                                                                                           | Bid Documents provision in this regard remains unchanged.                                                                  |
| 43  |                     |                        | The International Chamber of Commerce rules of arbitration is stipulated in case of foreign contractors. Can this be change to UNCITRAL?                                                                                                                                       | Bid Documents provision in this regard remains unchanged.                                                                  |
| 44  |                     |                        | The appointment authority for DAAB is Executive Committee of FIDIC (International Federation of Consulting Engineers) as per Sub Clause 21.2.                                                                                                                                  | Appointment (if not agreed) to be made by Executive Committee of FIDIC (International Federation of Consulting Engineers). |
| 45  |                     |                        | Has the tree cutting permit and relocation permits for electric poles be obtained. If not obtained, when can we expect this to be obtained?                                                                                                                                    | Please refer to clarification of query no.9.                                                                               |
| 46  |                     |                        | Please confirm if there shall be any changes in the number of trees to be cut identified in the BOQ. If the number increases Sub Clause 12.3 should apply.                                                                                                                     | Please refer to condition of contract.                                                                                     |



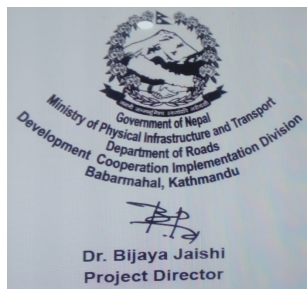
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|-----|--------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 47  |                          |                                  | The potential sources of construction materials have been identified in Section 8.5 and Table 8.7 of Detail Design of Final Report. Can the Design report made available? Are we allowed to establish our crushers there? Will the Employer facilitate the license and permit required from local authorities.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Please refer to clarification of query no.7.<br>The employer will facilitate for license and permit.                                                                                                                                   |
| 48  |                          |                                  | BOQ has no provision for additional bitumen content. There should be a BOQ item for contingent bitumen as per IRC provision.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Please refer Technical Specification (SS/SP).                                                                                                                                                                                          |
| 49  | Quarry Source Assessment | Request for Additional EIA & IEE | <p>During our recent site visit, it became apparent that the quarry sources specified in the bid documents do not align with the actual conditions on the ground. The majority of these sources predominantly consist of sand, necessitating the transportation of materials from more distant locations.</p> <p>Considering the pivotal role of the quarry in the project's success and the involvement of key stakeholders such as the DCC, DFO, CDO, and local municipalities, we propose the initiation of an additional Environmental Impact Assessment (EIA) or Initial Environmental Examination (IEE) for the identified sources. This assessment will provide an accurate depiction of the available materials, ensuring compliance with project specifications.</p> <p>To facilitate a seamless project execution, we kindly request the employer to undertake the necessary steps to obtain Cabinet approval based on the updated EIA and IEE results. This proactive measure will enable the contractor to work efficiently and in accordance with regulatory standards.</p> | Please refer to clarification of query no.7.                                                                                                                                                                                           |
| 50  | Section IX               | PCC Sub-Clause 14.1              | <p>"The Contract Price: Notwithstanding the provisions of subparagraph (b), Contractor's Equipment, including essential spare parts therefore, imported by the Contractor for the sole purpose of executing the Contract shall be temporarily exempt from the payment of import duties and taxes upon initial importation, provided the Contractor shall post with the customs authorities at the port of entry an approved export bond or bank guarantee, valid until the Time for Completion plus six months."</p> <p>Q: Please clarify the proportion of essential spare parts to the main equipment and the applicable rate of import duties and taxes for such spare parts.</p>                                                                                                                                                                                                                                                                                                                                                                                                     | <p>Reasonable/justifiable proportion of essential spare parts can be imported for the sole purpose of executing the contract.</p> <p>Rate of import duties and taxes for such spare parts will be as per prevailing laws of Nepal.</p> |



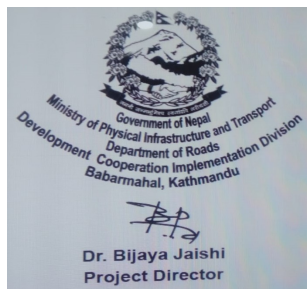
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|-----|-----------------------------------------------------------|---------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 51  | Section-IX                                                | PCC<br>Sub-Clause<br>21.1 | <p>"After the second paragraph insert the following paragraph: "If the Contract is with a foreign Contractor, the DAAB members shall not have the same nationality as the Employer or the Contractor."</p> <p>Q: We have reviewed the contract provision stating that the Dispute Adjudication and Review Board (DAAB) members should not share the same nationality as the Employer or the Contractor. Based on our understanding, and considering Contractor's Chinese nationality, it implies that DAAB members should be of a nationality other than Chinese. Therefore, we are considering appointing a Nepali citizen as our representative for the DAAB.</p> <p>Could you kindly confirm if our interpretation aligns with the intended understanding of the contract?</p> | The DAAB members shall not have the same nationality as the Employer or the Contractor.                                                                                                                                                           |
| 52  | Tree need to be cut and removed within the ROW            |                           | In the context of the projects in Nepal, acquiring approval for tree cutting within the right-of-way (ROW) is a lengthy procedure. This process may potentially lead to project delays and impact construction. Therefore, we would appreciate an update on the current status of the approval for tree cutting within the ROW, including whether the total quantities of trees to be removed and the necessary procedures have been finalized and completed, respectively.                                                                                                                                                                                                                                                                                                       | Please refer to clarification of query no.9.                                                                                                                                                                                                      |
| 53  | Electricity poles and other utility poles within the ROW. |                           | Q1. We would like to inquire if the employer possesses details regarding other utilities, especially those underground (Optical fiber cable, Underground Transmission line, Water Supply, sewage line, etc.). If available, kindly provide these details to minimize disturbance during execution.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Please refer to clarification of query nos.28 and 29.                                                                                                                                                                                             |
| 54  | BoQ                                                       | PS (Item 1.10)            | Q2. According to the Bill of Quantities (BoQ), the relocation of NEA poles is the contractor's responsibility. However, our understanding is that the actual process involves NEA tendering the section after the contractor deposits the required amount. Could the employer please clarify if the tender for pole shifting by NEA has been completed? Additionally, could the contractor use the advance payment received to fulfill the NEA's payment requirement, obtain a receipt from NEA as supporting documentation, and promptly submit it to the employer as an Interim Payment Certificate (IPC)? This approach would help maintain cash flow and afford NEA ample time for the tendering process. Please provide clarification.                                       | Please refer the condition of contract, where in two modalities of expending amount under Provisional Sum (PS). It will be executed as provisioned in the contract, considering the contractors proposal followed by the Engineer recommendation. |



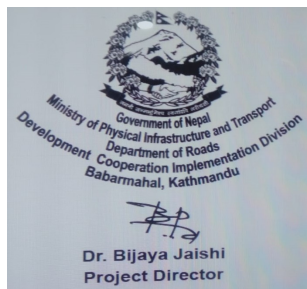
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| No. | Chapter/<br>Section                                  | Subject/<br>title/Item | Queries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Clarifications                                                                                                                                                                                                                                                                        |
|-----|------------------------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 55  | Clearance of<br>ROW                                  |                        | <p>Q1: Could you confirm if compensation for the clearance of these structures has been completed?</p> <p>Q2: Specifically, for temples and other important monuments, is there any requirement for approval from local municipalities before clearance?</p> <p>Q3: Can you verify if the entire Row has been acquired 100% by the employer?</p>                                                                                                                                                                                                                                                                         | <p>It is in the process and please refer Resettlement Action Plan (RAP) report link is:</p> <p><a href="https://www.dor.gov.np/home/publication/access-mpa-phase-1?page=2">https://www.dor.gov.np/home/publication/access-mpa-phase-1?page=2</a></p>                                  |
| 56  | Part II-<br>Employers<br>Requirements<br>Section-100 |                        | <p>"The Contractor shall construct the office and accommodation building on the land provided by the Employer within the DoR premises at Road Division, Shivapur. The office and the Employer within the DoR premises at Road Division, Shivapur. The office and accommodation buildings constructed by the contractor, equipment and furniture etc. will remain the property of the Employer at completion of the contract."</p> <p>Q: Has the location of the Employer's office and accommodation been finalized?<br/>In our experience, this process can be lengthy. requiring approvals from higher authorities.</p> | <p>Yes, Location is finalized.</p>                                                                                                                                                                                                                                                    |
| 57  |                                                      |                        | <p>Please provide the "Section VII E- Drawings", including the position between the existing road and the new road, the position between the existing bridge and the new bridge, the new road surface, the existing road structure layer, the excavation of high slope, etc., so that the contractor can fully understand the project.</p>                                                                                                                                                                                                                                                                               | <p>For all drawings related to project, please refer DoR website link: <a href="https://www.dor.gov.np/home/publication/access-mpa-phase-1">https://www.dor.gov.np/home/publication/access-mpa-phase-1</a></p> <p>Please refer design drawings of respective section and bridge.</p>  |
| 58  |                                                      |                        | <p>Please provide typical drawings of the existing pavement structure.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <p>For existing pavement details, please refer "Main Report of Detailed Design of Upgradation of Butwal-Gorusinghe Road" in DoR website link: <a href="https://www.dor.gov.np/home/publication/access-mpa-phase-1">https://www.dor.gov.np/home/publication/access-mpa-phase-1</a></p> |
| 59  |                                                      |                        | <p>Whether the foreign currency portion quoted by the Contractor during the implementation of the Project shall be paid to the Contractor in the currency quoted by the Contractor.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                  | <p>Please refer Table C (Summary of Payment Currencies) and its note.</p>                                                                                                                                                                                                             |



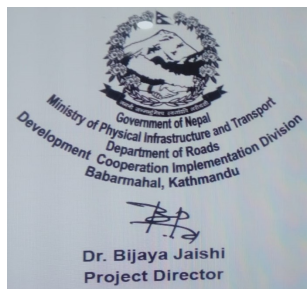
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|-----|---------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 60  |                     |                        | Under Part II- Employer's Requirements, Specifications for the works of Nepal Telecom 1.2.3 reads " The contractor shall clear, prepare and grade the right of way to facilitate the making of the alignment of the trench."<br><br>Query: The contractor is responsible for the clearance, whether the relevant felling procedures are handled by the employer? Is it completed? Is there a problem with statements that do not cost extra?                             | Please refer to clarification of query no.9.                                                                                 |
| 61  |                     |                        | Is the employer responsible for the land acquisition of temporary projects such as office buildings, dormitories and laboratories? Is the location specified by the employer?                                                                                                                                                                                                                                                                                            | Contractor is responsible for the contractor's office buildings, dormitories and laboratories etc.                           |
| 62  |                     |                        | Please indicate whether the land for temporary facilities, stone quarries and disposal sites has been approved. Can the contractor adjust the location?                                                                                                                                                                                                                                                                                                                  | Please refer to clarification of query no.7.                                                                                 |
| 63  |                     |                        | Can the initial payment of 80% be further refined, and can the settlement payment be applied according to the proportion of progress completed before the completion of excavation?                                                                                                                                                                                                                                                                                      | Please refer technical Specification (SS/SP) Clause 918.                                                                     |
| 64  |                     |                        | Under Section 1500 - Traffic Signs, Road Marking, Road Marker Stones and Delineators, General Requirements reads "All traffic signs shall comply and layout requirements shall be in accordance with the Nepal Traffic Sign Manual (NTSM). In cases where the provisions are not described in the NTSM, other international practices such as IRC or AGTM's recommendations will be used."<br><br>Query: Can it be clarified with reference to other national standards? | It is self-explanatory.                                                                                                      |
| 65  |                     |                        | What is the base for deducting the warranty? Does it include provisional sum or any other items?                                                                                                                                                                                                                                                                                                                                                                         | The query is unclear.                                                                                                        |
| 66  |                     |                        | In Section IX - Particular Conditions of Contract, Particular Conditions Part A Contract Data reads "Financing charges for delayed payment (percentage points above the average bank short-term lending rate as referred to under sub-paragraph (a))". Please clarify the currency of the 2% Financing charges for delayed payment.                                                                                                                                      | Currency of financing charge for delayed payment will be in same proportion of the currencies as per the contract agreement. |



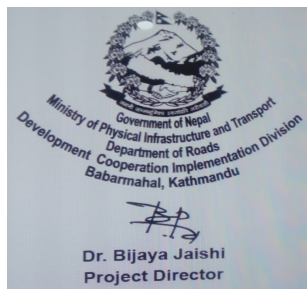
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|-----|---------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 67  |                     |                        | In Section IX - Particular Conditions of Contract, Particular Conditions, Part A Contract Data reads Sub-Clause 2.6 Employer-Supplied Materials and Employer's Equipment is not applicable". But in Part II- Employer's Requirements, Section 700 Pipe Drains, Pipe Culverts and Concrete Channels reads " The PLHDPE pipe laying and joining including transportation, excavation, backfill shall be paid at their respective contract unit rate. The contract unit rate shall also cover the transportation and placing of warning tape also." Query: The above two points are controversial, please clarify it. | Please refer amendment no. 1.                                                                                                                                                                           |
| 68  |                     |                        | Please clarify who will responsible for "Relocation of existing electrical works, water supply and other public utilities" and what kind of procedure need to perform. How long the relocation will be finished after the commencement date.                                                                                                                                                                                                                                                                                                                                                                       | Please refer to clarification of query nos.28 and 29.                                                                                                                                                   |
| 69  |                     |                        | Please clarify who will responsible to get the permit of "Felling Trees", how long will it take to get the permit after the commencement date.                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Please refer to clarification of query no.9.                                                                                                                                                            |
| 70  |                     |                        | Can the contractor be allowed to use the quarry planned in the bidding document according to the quantity as required by this project? Is it necessary to pay a resource tax? If so, what is the tax rate? Please clarify.                                                                                                                                                                                                                                                                                                                                                                                         | Please refer to clarification of query no.7.<br>It is required to pay resource tax/royalty as per prevailing laws.                                                                                      |
| 71  |                     |                        | Please clarify where is the location of quarry site for Embankment and what is the reserve of the quarry for Embankment? Is it necessary to pay a resource tax? If so, what is the tax rate? Please clarify.                                                                                                                                                                                                                                                                                                                                                                                                       | Please refer to clarification of query no.7.<br>It is required to pay resource tax/royalty as per prevailing laws.                                                                                      |
| 72  | Section VII E       | Drawings               | Please provide drawings of bridge, Reinforced Soil Wall Structure, box culvert, pipe culvert and other drainage structures. Please clarify.                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | For all drawings related to project, please refer DoR website link: <a href="https://www.dor.gov.np/home/publication/access-mpa-phase-1">https://www.dor.gov.np/home/publication/access-mpa-phase-1</a> |
| 73  |                     |                        | Refers to the bill of quantities Clause 2.1.8.1 "Providing and laying Median and Island above road level with approved Material deposited including compaction as per design drawings, technical specification and to the satisfaction of Engineer all complete. [SS/SP 1200]". What is the "approved Material"? Is it soil or gravel? Please clarify.                                                                                                                                                                                                                                                             | Please refer clause 1205 of Technical standard specification and Special provision (SS/SP).                                                                                                             |



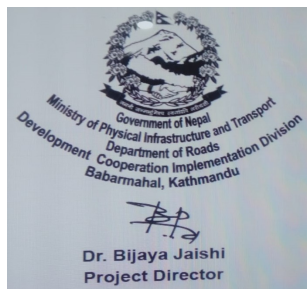
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|-----|---------------------|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------|
| 74  |                     |                        | Refers to ITB11.4 "The Bidder shall furnish in the Letter of Bid the names of three potential DAAB members and attach their curriculum vitae. The list of potential DAAB members proposed by the Employer (Contract Data 21.1) and by the Bidder (Letter of Bid) shall be subject to Bank's No- objection." Is it necessary to provide curriculum vitae of DAAB members at this bidding stage? Please clarify. | Yes, it is necessary to provide curriculum vitae of DAAB members at this bidding stage.                                       |
| 75  |                     |                        | Refers to Section III-evaluation and eligibility criteria, there is no form for the details of the proposed personnel for Phase II. But in the Section VII G-Personnel Requirements, it is necessary to provide details of the proposed personnel and their experience records about phase 2 Performance Based Maintenance Works using Form PER-1 and PER-2 in Section 4 Bidding Forms. Please clarify.        | Details of proposed personnel for Phase 2 as well can be submitted using Form PER-1 and PER-2 in Section 4 (Bidding Forms).   |
| 76  |                     |                        | For ITB 35.3, Can we understand that LOT-1 and LOT-2 will be evaluated jointly? How to compare the price for who submit two bids with who submits only one bid?                                                                                                                                                                                                                                                | Please refer Section III- Evaluation and Qualification criteria (B-Multiple Contracts).                                       |
| 77  |                     |                        | Are there alternative currencies for the foreign currencies specified in ITB15.1? Are there any limits amount? Will payment be made according to the fixed exchange rate on the base date?                                                                                                                                                                                                                     | Please refer ITB 15.1.<br>For the limit of the foreign currency please refer note of Table C (Summary of Payment Currencies). |
| 78  |                     |                        | Does the foreign currency index in the Table of Adjustment Data chose by the contractor?                                                                                                                                                                                                                                                                                                                       | Yes, the foreign currency index in the Table of Adjustment Data shall be proposed by the contractor.                          |
| 79  |                     |                        | Section 3100 Miscellaneous Works in the Employer's Requirements writes that 75% of Precast member are measured after completion of precast and 25% after completion of installation. Can other Precast Members also be measured in this way?                                                                                                                                                                   | Please refer corresponding measurement and payment for other precast member in Technical Specification (SS/SP).               |
| 80  |                     |                        | The excavation quantity in 2.1.3 (1) in the LOT-1 is 277706.3 m3, and the actual excavation quantity is 108095 m3. The excavation quantity in 2.1.3(1) in the LOT-2 is 251554.69 m3, and the actual excavation quantity is 131075 m3. Please confirm the excavation quantity?                                                                                                                                  | The quantities in the BoQ in this regard remains unchanged.                                                                   |



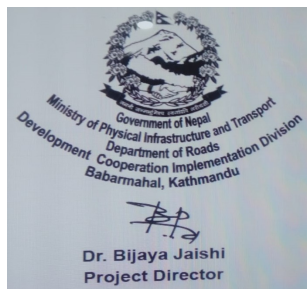
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| No. | Chapter/<br>Section | Subject/<br>title/Item | Queries                                                                                                                                                                                                                                                                                                                           | Clarifications                                                                      |
|-----|---------------------|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 81  |                     |                        | The quantity of filling in 2.1.3 (3) in the LOT-1 list is 879169.2 m <sup>2</sup> , but the actual filling quantity is 551004 m <sup>3</sup> ; The quantity of filling in 2.1.3 (3) in the LOT-2 list is 620900.94 m <sup>3</sup> , but the actual filling quantity is 471175 m <sup>3</sup> please confirm the filling quantity? | The quantities in the BoQ in this regard remains unchanged.                         |
| 82  |                     |                        | LOT-I BOQ Pavement work 2.1.7(6) DBM is 25434.99 m <sup>2</sup> , 2.1.7(7) Bituminous Concrete is 41489.99 m <sup>3</sup> , both thicknesses are 5cm, but the total volume difference is very big, please confirm;                                                                                                                | Please refer BoQ, technical specification (SS/SP) and drawings of respective items. |
| 83  |                     |                        | LOT-1 and LOT-2 BOQ 2.3.2 (5) mention waterproof. What material will be used as water proof?                                                                                                                                                                                                                                      | Please refer BoQ and technical specification (SS/SP) of respective items.           |
| 84  |                     |                        | LOT-1 and LOT-2 BOQ 2.1.5(7), what materials are used for concrete surface decoration?                                                                                                                                                                                                                                            | Please refer BoQ and technical specification (SS/SP) of respective items.           |
| 85  |                     |                        | LOT-1 and LOT-2, the bidding drawings indicate backfilling drainage materials on the back of the retaining wall, but this item is not included in the BOQ. Please clarify this and what materials are used for backfill materials of the retaining walls and the culverts?                                                        | Please refer technical specification (SS/SP) of respective items.                   |
| 86  |                     |                        | There is capping layer marked in the bidding drawings, but there is no this item in BOQ? Please clarify.                                                                                                                                                                                                                          | Please refer technical specification (SS/SP) clause 1002 (3).                       |
| 87  |                     |                        | For LOT-2, there is no geotextile after BOQ 2.1.4 (7). Please clarify.                                                                                                                                                                                                                                                            | Please refer BoQ, technical specification (SS/SP) and drawings of respective items. |
| 88  |                     |                        | LOT-1 and LOT-2, what kind of material is used as the waterproof for animal underpasses, Pedestrian underpasses, and vehicle underpasses the two bids?                                                                                                                                                                            | Please refer BoQ and technical specification (SS/SP) of respective items.           |
| 89  |                     |                        | In typical drawing, base thickness is 15-30cm and sub-base thickness is 25-30cm. So what are the exact thicknesses of the base and sub-base? Please clarify.                                                                                                                                                                      | Please refer typical drawing Sheet No. 1.                                           |



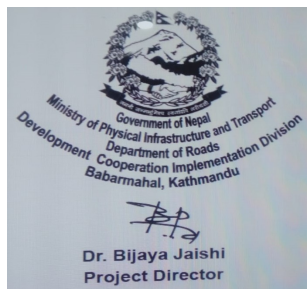
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| No. | Chapter/<br>Section  | Subject/<br>title/Item | Queries                                                                                                                                                                                                                                                                                                                                                                | Clarifications                                                                                         |
|-----|----------------------|------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------|
| 90  |                      |                        | The thickness of the structural of the carriage way and road shoulder in the bidding drawings of LOT-1 and LOT-2 is inconsistent in the two bids. Please clarify whether the same material will be used.                                                                                                                                                               | Please refer BoQ, technical specification (SS/SP) and drawings of respective items.                    |
| 91  |                      |                        | LOT-1, whether the excavated materials in 2.1.2 (17), 2.1.3 (2), and 2.1.7 (1) can be used. LOT-2, whether the excavated materials in 2.1.2 (16), 2.1.3 (2), and 2.1.7 (1) can be used. Please clarify.                                                                                                                                                                | Please refer BoQ and technical specification (SS/SP) of respective items.                              |
| 92  |                      |                        | LOT-1 and LOT-2, whether the permanent steel casing is required in BOQ 2.2.1(7). Please clarify.                                                                                                                                                                                                                                                                       | Please refer BoQ, technical specification (SS/SP) and drawings of respective items.                    |
| 93  |                      |                        | In Section IV Bidding Forms, Table of Adjustment Data, the Source of Index for both Construction Material and Machinery & Equipment is defined as "Nepal Rastra Bank (National Wholesale Price Index Construction Material)." We kindly request confirmation on this.                                                                                                  | Please refer Amendment No.1.                                                                           |
| 94  |                      |                        | Please clarify the number of personnel required for Phase 2: Performance Based Maintenance Work for the combined lots 1 and 2.                                                                                                                                                                                                                                         | In case of performance-based maintenance same number of personnel is good for single or combined Lots. |
| 95  |                      |                        | Can the same personnel be employed for both Phase 1 and Phase 2? Please clarify.                                                                                                                                                                                                                                                                                       | Yes, if qualification and Experience meets.                                                            |
| 96  |                      |                        | We noticed a discrepancy between the requirement for concrete mixture trucks in the qualification requirement table and Section VII H Equipment Requirement. Kindly clarify this discrepancy and specify the total required number of trucks for combined lots 1 and 2.                                                                                                | Please refer Amendment no. 1.                                                                          |
| 97  |                      |                        | Will the earth filling, boulder for drainage gallery, for the Reinforced Soil Wall be measured separately? Please clarify.                                                                                                                                                                                                                                             | Please refer BoQ technical specification (SS/SP) and drawings of respective items.                     |
| 98  | Reinforced Soil Wall |                        | Part II: Employer's Requirement, Section 300 - Soil Improvement, 301 Reinforced Soil states "The Contractor shall design/review reinforced soil structure...." However, the bill of quantity serial no. 10 of retaining structure states "Providing and fixing of Reinforced Soil Wall Structure...." We request clarification on whether the design of the Reinforced | Yes, the Contractor shall design/review reinforced soil structure.                                     |



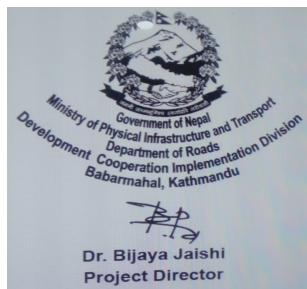
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| No. | Chapter/<br>Section                         | Subject/<br>title/Item           | Queries                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Clarifications                                                                             |
|-----|---------------------------------------------|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|
|     |                                             |                                  | Soil Wall is the responsibility of the contractor.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                            |
| 99  | BoQ &<br>Drawing                            |                                  | Kindly requested to provide the minimum and maximum height range for the Reinforced Soil Wall.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | It is as per the site condition. Please refer drawing and technical specification (SS/SP). |
| 100 | Evaluation and<br>Qualification<br>Criteria | Clause No.<br>4.2 (a) (ii)       | <p>We request to amend the requirements as below:</p> <p>The bidders shall have satisfactorily and substantially completed at least n based one contract based on FIDIC or Multilateral Development Bank (MDB) contract document for any Civil Work with minimum value of:</p> <p>a. 56 million USD for Lot 1<br/>b. 40 million USD for Lot 2<br/>c. 56 million USD for Lot 1 and Lot 2 combined,<br/>&amp;</p> <p>The bidders shall have satisfactorily and substantially completed at least and Lot 2 one contract for any Civil Work, either in Nepal or in any other country outside the country of incorporation of the bidder, with minimum value of:</p> <p>a. 56 million USD for Lot 1<br/>b. 40 million USD for Lot 2<br/>c. 56 million USD for Lot 1 and Lot 2 combined,</p> <p>This will ensure wider participation and will generate more competition.</p> | Evaluation and Qualification criteria in this regard remains unchanged.                    |
| 101 | Eligibility &<br>Qualification<br>Criteria  | Mgmt. Exp.<br>(ii), Pg No.<br>57 | <p>We request the Authority to please withdrawn the civil work requirements as mentioned herein so that bidder who have or experience in the construction of similar nature work are able to participate in the bid, due to stringent condition of having experience in Nepal or in any other country outside the country of incorporation of the bidder limit restricted participation ibn the Bid.</p> <p>In view of this we request the Authority to withdraw the clause as mentioned herein for facilitating healthy competition.</p> <p>Please do the needful as requested above and amends the eligibility criteria as requested.</p>                                                                                                                                                                                                                            | Eligibility & Qualification Criteria in this regard remains unchanged.                     |



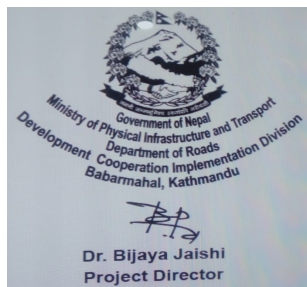
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|-----|---------------------------------------|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 102 | General                               | Due Date Extension      | We are keenly interested to participate in the above bid, but looking into the amendment as requested above and looking into the size and complexity of project, we request the Authority to please extend the bid Due date of the Project by one month from date of pre bid reply from your end for submitting a comprehensive bid.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | The bid submission deadline remains unchanged.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| 103 | Letter of bid                         | Lot 1 & Lot 2           | Letter of Bid for both LOT 1 & 2 is integrated in tender document of both the packages, is it required to submit both the bid letters for LOT 1 and LOT 2 in each tender document package, or should they be segregated individually as per each lot if we are participating in both projects?                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Letter of Bid for Lot 1 shall be submitted in bid of Lot 1 and letter of bid for Lot 2 shall be submitted in bid of Lot 2.                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 104 | Evaluation and Qualification Criteria | Clause No. 4.2 (a) (ii) | <p>From the Section III of bidding document "Evaluation and Qualification Criteria", 4.2(a) – Specific Construction and Contract Management Experience" –</p> <p><b>Sub-Clause (ii):</b> "The bidders shall have satisfactorily and substantially completed at least one contract under open international competition based on FIDIC or Multilateral Development Bank (MDB) contract document for any Civil Work, either in Nepal or in any other country outside the country of incorporation of the bidder, with minimum value of: a. 56 million USD for Lot 1 b. 40 million USD for Lot 2 c. 56 million USD for Lot 1 and Lot 2 combined".</p> <ol style="list-style-type: none"> <li>Does this 4.2(a) Sub-Clause (ii) has to be satisfactorily and substantially completed between 1st January 2016 and Bid Submission deadline.</li> <li>For the above requirement [4.2(a)(ii)] if the contract was completed by the JV, whether the whole contract value or JV member share by value is considered to meet this requirement? Please clarify.</li> <li>For the clause (c) of Sub-Clause (ii) "56 million USD for Lot 1 and Lot 2 combined" please confirm the value of LOT 1 and LOT 2 Combined.</li> </ol> | <ol style="list-style-type: none"> <li>Evaluation and Qualification criteria in this regard remains unchanged. There is no time bound for this requirement on 4.2(a) (ii).</li> <li>Evaluation and Qualification criteria in this regard remains unchanged. It is clarified that for this Evaluation and Qualification criteria requirement [4.2(a)(ii)] whole contract value shall be considered even bidder was participated as JV member (the Bidder's share, by value, shall not be considered).</li> <li>Value for the Lot-1 &amp; Lot-2 combined is 56 million USD.</li> </ol> |



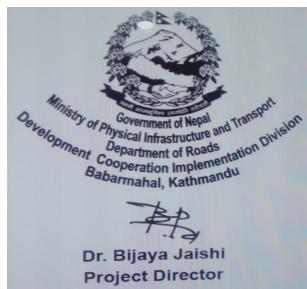
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|-----|---------------------------------------|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
| 105 | Evaluation and Qualification Criteria | 4.2 (c)                | <p>From the section III of the bidding document "Evaluation and Qualification Criteria", 4.2 (c) – Specific Managing E&amp;S Aspect:</p> <p>What are the criteria for "Substantially implement (50% of Work)" regarding ESMP/CESMP)?</p> <p>OR could you provide us a guidance on what are the key documents are to be provided to meet the above criteria? If deemed appropriate, we request you for consideration to this point.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                   | The criteria is self-explanatory.                                                                                 |
| 106 | Evaluation and Qualification Criteria | Section VII G          | "In Section III of the bidding document, under 'Evaluation and Qualification Criteria,' point (5) specifies that the Contractor's Representative and Key Personnel do not include Phase II personnel. To demonstrate our personnel, should we refer to Section VII G - Personnel Requirements, which includes Phase II personnel, or should we rely on Evaluation and Qualification Criteria (5)?                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Bidder should refer both [Section VII G - Personnel Requirements and 'Evaluation and Qualification Criteria (5)]. |
| 107 | BoQ                                   | Item 2.2.1-7           | In Drawing "General Note:(For all Pile Foundation) -In case of drilling/boring without temporary casing, the pile shall be lined with 6mm thick permanent casing from the bottom of the pile cap down to 0.5 m below the maximum scour depth or 1.5 whichever is larger." There is no item of 6mm thick permanent casing in the BOQ list.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Please refer BoQ item no. 2.2.1-7.                                                                                |
| 108 | Evaluation and Qualification Criteria | Clause No. 4.2 (a) (i) | <p>As per Section 3: Evaluation and Qualification Criteria, A. Qualification, Clause No. 4.2 (a): Specific Construction and Contract Management Experience: (i):</p> <p>For Each Partner Participation as a contractor, joint venture members, or subcontractor, in at least one multi-lane road/bridge contract that has been satisfactorily and substantially completed between 1<sup>st</sup> January 2016 and Bid submission deadline, where the value of bidder's participation exceeds 15% of the requirement.</p> <p>We propose the deletion of this clause to ensure fairness and competitiveness among bidders. Additionally, this adjustment aligns with the principles outlined in the Public Procurement Act of 2007, Section 36, aiming to decrease the financial burden on the country and provide more opportunities for a diverse range of bidders."</p> | Evaluation and Qualification criteria in this regard remains unchanged.                                           |



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|-----|---------------------------------------------|--------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 109 | Evaluation and<br>Qualification<br>Criteria | Clause No.<br>4.2 (a) (ii)     | <p>As per Section 3: Evaluation and Qualification Criteria, A. Qualification, Clause No. 4.2 (a) Specific Construction and Contract Management Experience: (ii):</p> <p>The bidders shall have satisfactorily and substantially completed at least one contract under open international competition based on FIDIC or Multilateral Development Bank (MDB) contract document for any Civil Work, either in Nepal or in any other country outside the country of Incorporation of the bidder, with minimum value of:</p> <p>a. 56 million USD for Lot 1<br/>b. 40 million USD for Lot 2<br/>c. 56 million USD for Lot t1 and Lot 2 combined,</p> <p>1) Whether projects funded by sources other than FIDIC or Multilateral Development Bank (MDB) will be considered valid.<br/>2) Whether projects completed before 2016 will be deemed valid.<br/>3) We request you to consider projects done in the bidder's home country and kindly ask for the removal of the clause specifying 'rather in Nepal or in any other country outside the country of Incorporation of the bidder to include projects done within the bidder's home country.</p> | <p>1) Criteria is self-explanatory.</p> <p>2) Evaluation and Qualification criteria in this regard remains unchanged. There is no time bound for this requirement on 4.2(a) Sub-Clause (ii).</p> <p>3) Evaluation and Qualification criteria requirement remains unchanged.</p> |
| 110 | Section IX                                  | PCC Part-A<br>(Clause<br>10.2) | <p>Add the following sentence at the end of the Sub We rec clause 10.2.</p> <p>In the operation of this Sub-clause the passage over or through the Works by the public or the agents or servants of the Employer or by public Traffic or by Vehicles of the Employer, whether connected with the Contract or not, shall not constitute use or occupation by the Employer.</p> <p>In sub-paragraph (a), after "Taking Over Certificate insert "for phase 1: Upgrading Works".</p> <p>We request to amend the requirements as below:</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | The provision in this regard remains unchanged.                                                                                                                                                                                                                                 |



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|-----|---------------------|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------|
|     |                     |                             | <p>In the operation of this Sub clause the passage over or through the Works by the public or the agents or servants of the Employer or by public Traffic or by Vehicles of the Employer, whether connected with the Contract or not, shall not constitute use or occupation by Ther the Employer besides Taking Over of the Ports as per BoQ Item nos. 2.1.1.2 (i) Construction of Office Building &amp; 2.1.1.3 (ii) Construction of accommodation building for lot-2.</p> <p>In sub-paragraph (c), after "Taking Over Certificate" insert "for phase 1: Upgrading Works".</p>                                                                                                                                                                                                                                                                                                                                                               |                                                 |
| 111 | Section IX          | PCC Part-8<br>(Clause 21.1) | <p>After the second paragraph insert the following paragraph: "If the Contract is with a foreign Contractor, the DAAB member shall not have the same nationality as the Employer or the Contractor."</p> <p>We request to amend the requirements as below:</p> <p>After the second paragraph insert the following paragraph: "If the Contract is with a foreign Contractor, the DAAB member shall not the have the same nationality as the Contractor. The DAAB members the from the nationality of Employer is permitted."</p> <p>-This amendment will help to execute the dispute resolution works smoothly, shortly and within the intended time frame. Further, this amendment will drop the overhead cost of DAAB execution procedure very effectively as the DAAB members outside from Nepal shall be very expensive and shall not be very effective for smooth and timely execution within the time limit provided by the Contract.</p> | The provision in this regard remains unchanged. |