

## TERMS OF REFERENCE

### APPOINTMENT OF SERVICE PROVIDER TO IMPLEMENT MATHEMATICS & PHYSICAL SCIENCE INTERVENTIONS FOR THE DEPARTMENT OF PUBLIC WORKS AND INFRASTRUCTURE WINTER SCHOOL CAMP

#### 1. BACKGROUND

- 1.1 The Department of Public Works and Infrastructure has a mandate to build technical capacity required for the state to deliver on its infrastructure projects. The call to build state capacity is informed by the current national crisis around scarcity of critical skills in both the built and property sectors as underpinned by National Development Plan (NDP) Chapter 9 on Improving education, training and innovation and the Medium Term Strategic Framework (MTSF) Outcome 5–Building a skilled and capable workforce to support an inclusive growth path.
- 1.2 It is within this context that The Department of Public Works and Infrastructure (DPWI) implements the Schools Programme. The Schools Programme promote careers within the built and property sectors at adopted schools; supports Grade 10-12 adopted learners to have a solid base of Mathematics and Physical Science. The Programme is aimed at improving the quality of Mathematics and Physical Science pass to allow learners pursue built environment and property careers with the support of the Department.

#### 2. SCOPE OF WORK

- 2.1 The DPWI intends to appoint a Service Provider for the Winter School Camp scheduled to take place during the last week of the winter school holidays from 08-15 July 2023. The Camp will be held in Gauteng. The actual venue will be communicated to the successful provider. Service Providers are expected to provide the following:

##### 2.1.1 Prepare and Deliver Mathematics and Physical Science Learner Interventions:

###### 2.1.1.1 Activities:

- Compile Mathematics and Physical Science pre-tests aligned to problem areas;
- Conduct pre-tests for Mathematics and Physical Science learners on first day of the Camp;
- Mark tests and analyse results;
- Compile pre-test report;
- Prepare Mathematics and Physical Science Interventions for the duration of the camp;
- Implement interventions;
- Compile Mathematics and Physical Science post-tests;
- Conduct post-tests for Mathematics and Physical Science learners;
- Mark tests and analyse results;
- Compile pre-test report;
- Develop a project implementation plan;
- Develop Camp Time Table;

- Provide copies of question papers;
- Provide answer sheets;
- Conduct Programme Evaluation;
- Compile and provide Overall Intervention Report and deliver after a week post the Camp.

NB: The intervention should take into consideration that Provinces follow separate work schedules.

### 2.1.1.2 Guideline:

Learner Composition	The Camp will comprise of Grade 10-12 Learners Grade 10 = 55 Grade 11=55 Grade 12=60 Total: 170
Number of tutors	The appointed service provider should make available Mathematics and Physical Science tutors for each Grade.
Duration of Intervention	Day 1= 4hrs Pre Test Day 2= 6hrs Intervention Day 3= 6hrs Intervention Day 4= 6hrs Intervention Day 5= 6hrs Intervention Day 6= 4hrs Post Test and feedback
Accommodation and refreshments for facilitators	These will be provided for by the Department

NB: Areas to be covered not limited to: Counting Principle; Probability; Financial Maths; Euclidean Geometry; Trigonometry; Statistics; Functions

## 3. EVALUATION CRITERIA

The following documents and requirements will be considered as part of the evaluation criteria:

Item	Yes	No
Company Profile attached?		
Service Provider has more than 8 Years of experience in Mathematics and Physical Science Tuition and or Facilitation?		
Testimonials from 3 referees attached?		
Profile/s: Grade 10 Mathematics Tutor (CV, Qualifications (Minimum NQF Level 6 in Education or relevant qualification with Mathematics and or Physical Science)		
Profile/s: Grade 10 Physical Science Tutor(CV, Qualifications (Minimum NQF Level 6 in Education or relevant qualification with Mathematics and or Physical Science)		

Profile/s: Grade 11 Mathematics Tutor (CV, Qualifications (Minimum NQF Level 6 in Education or relevant qualification with Mathematics and or Physical Science)		
Profile/s: Grade 11 Physical Science Tutor (CV, Qualifications (Minimum NQF Level 6 in Education or relevant qualification with Mathematics and or Physical Science)		
Profile/s: Grade 12 Mathematics Tutor (CV, Qualifications (Minimum NQF Level 6 in Education or relevant qualification with Mathematics and or Physical Science)		
Profile/s: Grade 12 Physical Science Tutor (CV, Qualifications (Minimum NQF Level 6 in Education or relevant qualification with Mathematics and or Physical Science)		
Tutors have more than 5 years' experience Mathematics and Physical Science Tutoring		

#### **4. INTERGRITY AND CONFLICT OF INTEREST**

The appointed service providers shall, at all times, exhibit the highest level of integrity in the performance of all assignments and will accept only assignments for which there is a reasonable expectation that the assignment will be completed with professional competence.

The successful service provider is required to conduct the assignment and compile the required reports with the utmost integrity and honesty and collect sufficient appropriate evidence to ensure to aid the Department of Public Works in achieving the desired objectives.